

VELÓDYNE

A company driven to deliver the very best polymer blending and chemical feed systems, fueled by constantly asking, "What if?"



VELÔDYNE

VELOBLEND

INJECTION RING Figure A Note C4:

CONTACT

WHAT HAPPENS WHEN YOU BUILD A COMPANY AROUND THE QUESTION, "WHAT IF?"

The short answer is, you get a company like VeloDyne. Our products deliver superior results because of our almost obsessive nature for optimizing everything that goes into designing, building, installing and supporting our systems. We are driven by a deep understanding of maximizing polymer and how polymer and chemical feed systems relate to industrial process and to water and wastewater treatment as a whole. We also know what's important to the people behind the systems, which heavily influences everything we do. When something isn't right, we look to fix the problem. When everything's working smoothly, we look for ways to make things work better. It's just who we are, and it's an approach to business that, to us, simply makes sense. It's also the reason we are able to deliver products and services that we are proud to have associated with the VeloDyne name.

Larger manifold will improve polymer solution distribution and reduce buildup



WHAT WE OFFER

WHAT WE OFFER

YOU NEVER KNOW WHAT MIGHT SOLIDIFY YOUR COMPANY'S REPUTATION. FOR US IT WAS A \$300 PART.

Our original design for the VeloBlend mixing chamber used a high-strength, machined plastic impeller. While this design performed well in testing, the rigors of running 24/7/365 resulted in having some impellers fail after years of constant operation. The first thing we did was upgrade our design to a more durable, stainless steel impeller. And, even though the equipment affected was past its warranty period, we also upgraded any customer's plastic impeller that failed with a new stainless steel one at no cost to them. In our minds, this was simply the right thing to do, and if faced with the same choice tomorrow, we would still handle things the same way. 1.21 **IMPELLER BLADE** Figure A Note B2: Ø4.38 Angle impellers to produce both axial VELODYNE and radial turbulence.

VELOBLEND

CHEM FEED

SERVICES

CONTACT





WHAT WE OFFER

available polymer. Ø8.75 Ø2.50 LEARN MORE ABOUT VELOBLEND: **ACTIVATION CHAMBER POLYMER ACTIVATION CHAMBER** Figure A Note C4: VELODYNE



in a mechanical versus non-mechanical system debate, we thought, "Why not just combine the two?" So we did. The result is our unique, patented hybrid polymer activation technology that combines the reliability of non-mechanical mixing with variable speed hydro-mechanical mixing into a highly controllable, three-stage mixing environment. Additional features, such as an angled polymer inlet valve, a more adjustable water control valve and a variable speed impeller with angled blades allows for more precise control of mixing conditions and helps you optimize the performance of all

SKID CONFIGURATION

VELOBLEND MODELS

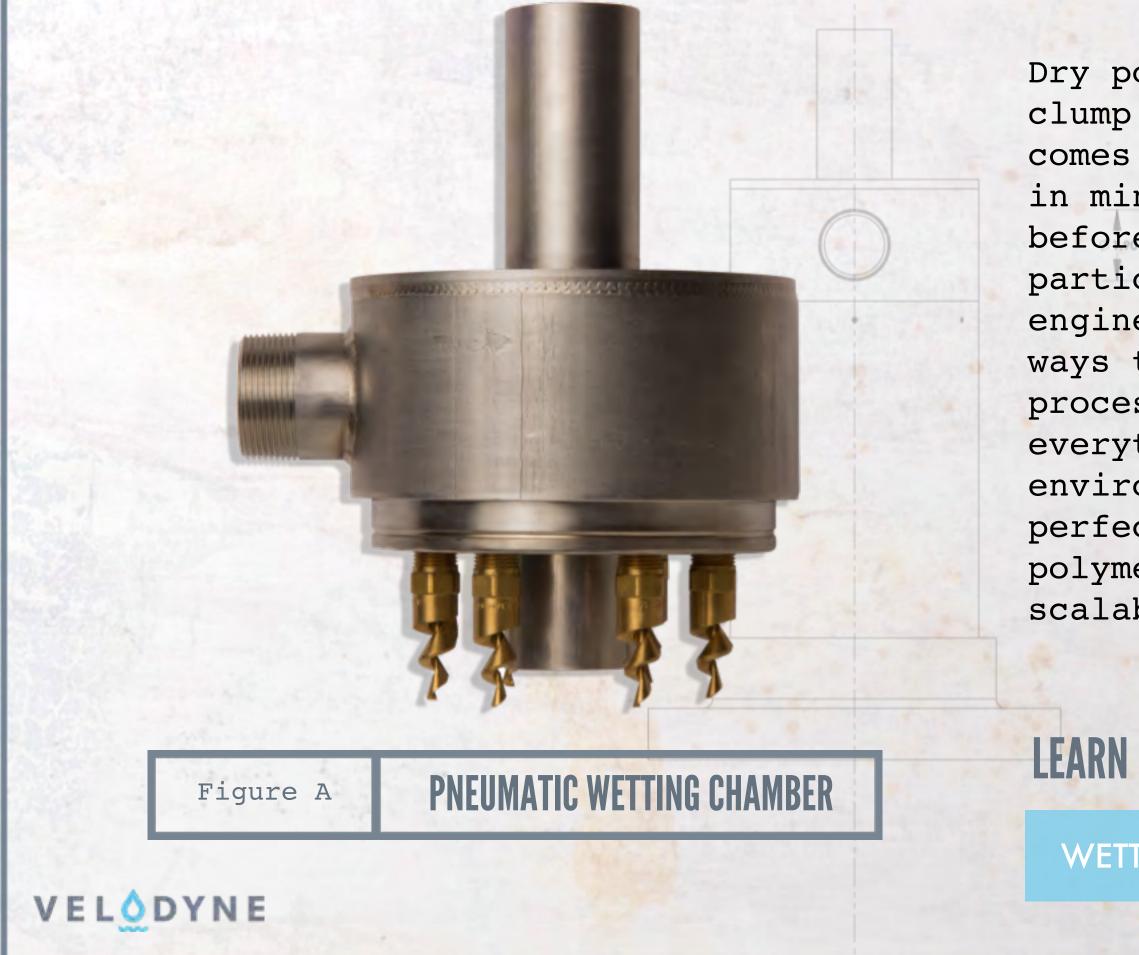
Variable speed mechanical impeller provides versatility for various polymers



HYDRAMAX

WHAT WE OFFER

THE FIRST STEP TO EFFECTIVELY WETTING DRY POLYMER HAS NOTHING TO DO WITH WETTING AT ALL.



VELOBLEND

HYDRAMAX

CHEM FEED

SERVICES

CONTACT

Dry polymer particles just by themselves have a tendency to clump together, which is why dispersing the polymer before it comes in contact with water is key for optimization. With this in mind, we developed a system that atomizes the dry polymer before introducing it into the wetting chamber. More effective particle wetting is just one aspect of the advanced engineering featured in our HydraMax systems. We also found ways to deliver greater control over the entire blending process. This allows you to more accurately regulate everything including solution concentration, mixing environment and aging conditions in order to create the perfect conditions required to optimize the specific dry polymer you choose. All this in a design that's completely scalable for high-rate applications.

LEARN MORE ABOUT HYDRAMAX:

WETTING CHAMBER

HYDRAMAX SYSTEMS

Increased wetting area optimizes polymer particle wetting



CHEMICAL FEED SYSTEMS

WHAT WE OFFER

THROW OUT ALL YOUR ASSUMPTIONS ABOUT CHEMICAL FEED SYSTEM DESIGN. THAT'S WHAT WE DID.

Instead of building just another chemical feed system, we applied the same approach that we used to design our polymer systems — we analyzed every element in every process. From loading and storage to wetting and delivery, we looked for ways we could improve on the way systems are traditionally built. We added ergonomic design that makes it easier and more efficient to load chemicals. We developed ways to keep material flowing so it can be metered more accurately and fed with greater consistency. We improved wetting techniques to help prevent buildup and plugging. We made equipment more rugged to improve longevity and reliability. We also strategically integrated all of the system components into the skid in a way that results in a more compact system, while also making sure all the parts are easily accessible.

LEARN MORE ABOUT CHEM FEED:

Figure A

FEEDER DRIVE

VELODYNE

VELOBLEND

A ALALALA DE ALALA

CHEM FEED

SERVICES

CONTACT

WETTING BOWL SKID

es maintenance needs.



SERVICES

11.88

THE MOST IMPORTANT PART IN OUR SYSTEMS ISN'T TECHNICALLY A PART.

At VeloDyne, we aren't satisfied with simply designing and selling the best polymer mixing and chemical feed systems in the industry - we have always been driven to deliver more. Our dedication to providing the best solutions possible starts from the moment a potential customer first reaches out, and it continues long after the actual system goes online. We simply do what needs to be done, when and where it needs to be done, to deliver optimal results. It's just who we are.

PROCESS OPTIMIZATION

We will fine-tune your equipment around the specifications of your application to make sure your system is optimized.

Figure A

5/16 x 3/8 OPEN END WRENCH

TROUBLESHOOTING

Things happen, and when they do, our service department is standing ready to help resolve the issue over the phone, or jump on a plane if needed.

VELODYNE

VELOBLEND

HYDRAMAX

CHEM FEED

19.41

SERVICES

CONTACT

ON-SITE SERVICES

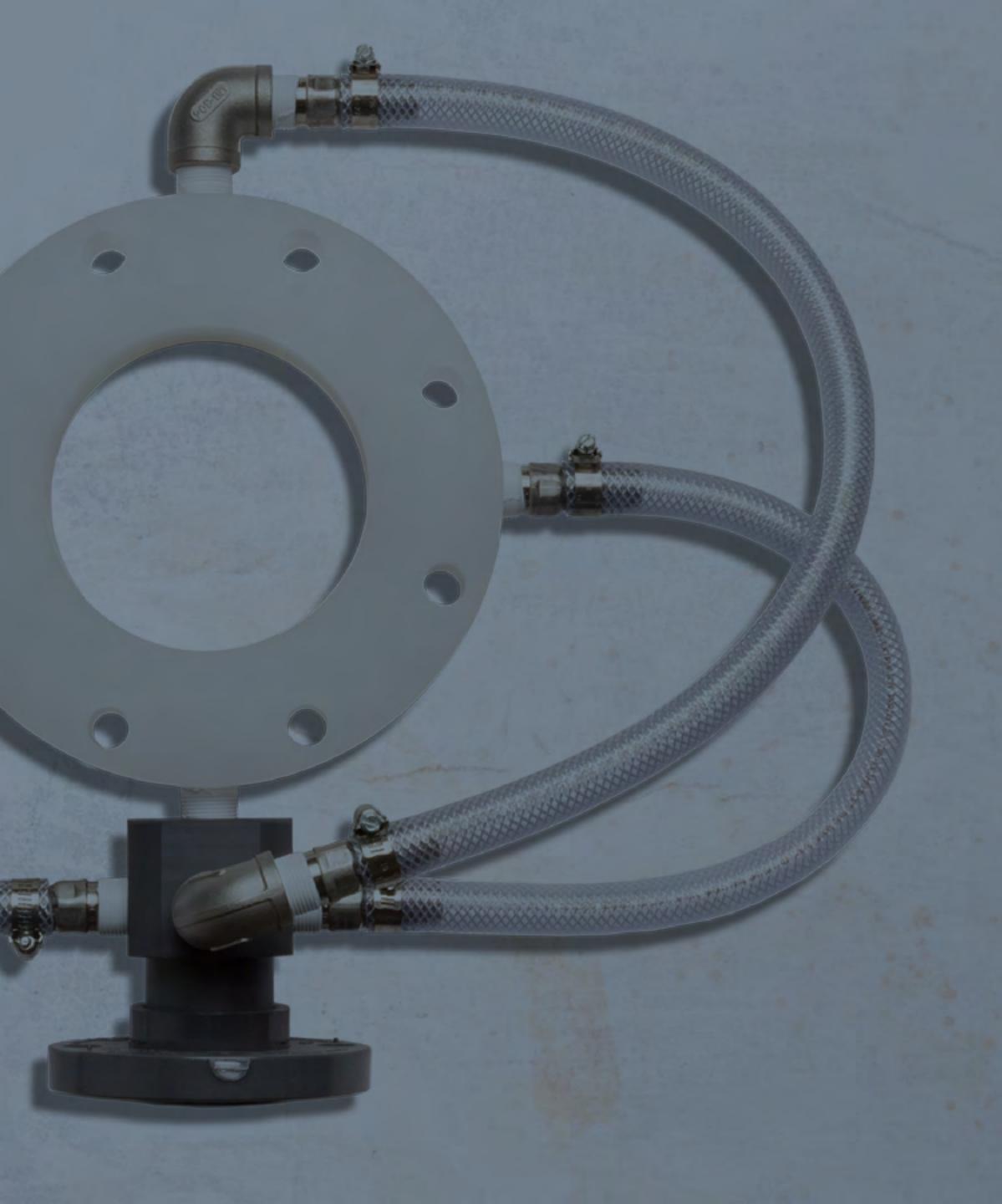
We can help handle everything to make sure you get the most out of your new VeloDyne equipment including commissioning, system startup and training.

EQUIPMENT REFURBISHING Note F1: Open frame design allows

We can breathe new life into your aging systems to help you avoid the larger expense of replacing it.

for easy access to all





For detailed contact information, please visit www.velodynesystems.com.

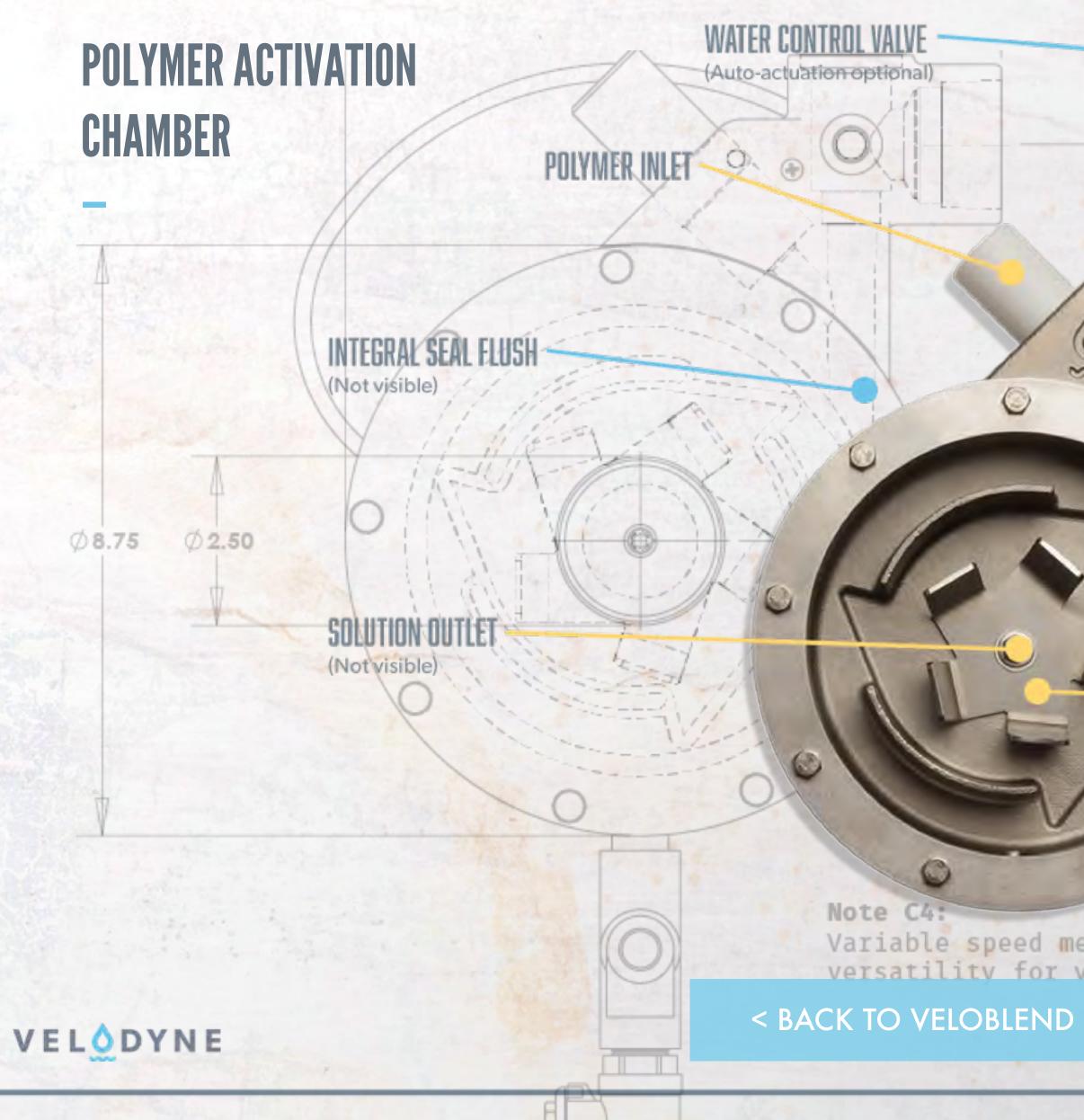
CONTACT A VELODYNE SALES REP:

303.530.3298 sales@velodynesystems.com

VELÔDYNE







VELOBLEND

(0)

~~~

HYDRAMAX

CHEM FEED

SERVICES

CONTACT

#### SEE IT IN ACTION >

#### WATER INLET

#### **STAGE 1**

Non-mechanical, high-energy mixing greater than 30 psid

#### STAGE 2

Non-mechanical mixing zone (Independent of water pressure)

#### STAGE 3

Exclusive variable-speed, hydro-mechanical impeller

Variable speed mechanical impeller provides versatility for various polymers

SKID CONFIGURATION >

VELOBLEND MODELS >



#### VELOBLEND SYSTEMS

WHAT WE OFFER

### **SKID CONFIGURATIONS**

#### **DILUTION WATER SYSTEM**

Manual or fully automatic water control.

Ø2.50

Ø8.75

### **SERIES 6000**

Skid 2 configuration. Progressive cavity pump, 0.025 to 60 GPH neat polymer, 0.2 to 100 GPM solution. Control level Db through RpSB.

#### < VIEW FRONT

VIEW BACK >

Note C4: Variable speed mechanical impeller provides versatility for various polymers

5.88

< BACK TO VELOBLEND

#### VELODYNE

#### VELOBLEND

#### HYDRAMAX

NEMA 4X CONTROLS

requirements.

Six standard control systems are

available to meet your specific control

#### CHEM FEED

#### SERVICES

CONTACT



#### **SERIES 2400**

Skid 1 configuration. Progressive cavity pump, 0.025 to 24 GPH neat polymer, 0.2 to 40 GPM solution. Control level Db through E.



#### **SERIES 12000**

Skid 3 configuration. Progressive cavity pump, 2.5 to 120 GPH neat polymer, 15 to 200 GPM solution. Control level Db through RpSB.



#### **SERIES 36000**

Skid 4 configuration. Progressive cavity pump, 4.5 to 360 GPH neat polymer, 30 to 600 GPM solution. Control level Db and Rw.

#### < ACTIVATION CHAMBER

VELOBLEND MODELS >

#### RUGGED STAINLESS STELL SKID

Available in 304 or 316 stainless steel, they feature an open design for easy maintenance and are engineered to provide ideal pump suction conditions.



VELOBLEND SYSTEMS

WHAT WE OFFER

## **SKID CONFIGURATIONS**

#### ACTIVATION CHAMBER

VeloBlend advanced liquid polymer activation technology delivers unsurpassed performance and reliability.

Ø8.75 CALIBRATION COLUMN

### **SERIES 6000**

VELODYNE

Skid 2 configuration. Progressive cavity pump, 0.025 to 60 GPH neat polymer, 0.2 to 100 GPM solution. Control level Db through RpSB.

#### < VIEW FRONT

Note C4: Variable speed mechanical impeller provides versatility for various polymers

< BACK TO VELOBLEND

#### VELOBLEND

5.88

HYDRAMAX

#### CHEM FEED

#### SERVICES

CONTACT



#### **SERIES 2400**

Skid 1 configuration. Progressive cavity pump, 0.025 to 24 GPH neat polymer, 0.2 to 40 GPM solution. Control level Db through E.



#### **SERIES 12000**

Skid 3 configuration. Progressive cavity pump, 2.5 to 120 GPH neat polymer, 15 to 200 GPM solution. Control level Db through RpSB.



#### **SERIES 36000**

Skid 4 configuration. Progressive cavity pump, 4.5 to 360 GPH neat polymer, 30 to 600 GPM solution. Control level Db and Rw.

#### VELOBLEND MODELS >

#### NEAT POLYMER PUMP

Progressive cavity pumps are standard, but other options for pump types are available.

VIEW BACK >

< ACTIVATION CHAMBER



#### VELOBLEND SYSTEMS

ō

WHAT WE OFFER

Ø2.50 **SERIES 2400** 

- Progress Cavity Pump - Hydro-Mechanical Mixing Chamber - Rugged, Compact Frame - Low to Mid Flow Range
- Open Accessibility to All Components
- Wide Array of Options

Marian Andrew

#### VELODYNE

Ø8.75

### SERIES 6000

Progressive Cavity Pump Hydro-Mechanical Mixing Chamber - Rugged, Tall Frame - Wide Array of Flow Ranges - Automatic Control of Total Mix Energy - Full Ratio Control Capability

Note C4:

#### VELOBLEND

#### HYDRAMAX

CHEM FEED

#### SERVICES

CONTACT



#### **SERIES 12000**

- Progressive Cavity Pump - Hydro-Mechanical Mixing Chamber - Rugged, Wide Frame - Automatic Control of Total Mix Energy
- Full Ratio Control Capability

Variable speed mechanical impeller provides versatility for various polymers

< BACK TO VELOBLEND



#### **SERIES 36000**

- Progressive Cavity Pump - Hydro-Mechanical Mixing Chamber - Rugged, Custom **Configured Frames** - Dilution Water Flow Rates to 600 GPM - Ratio Control Capability

VELOBLEND DATA SHEET >





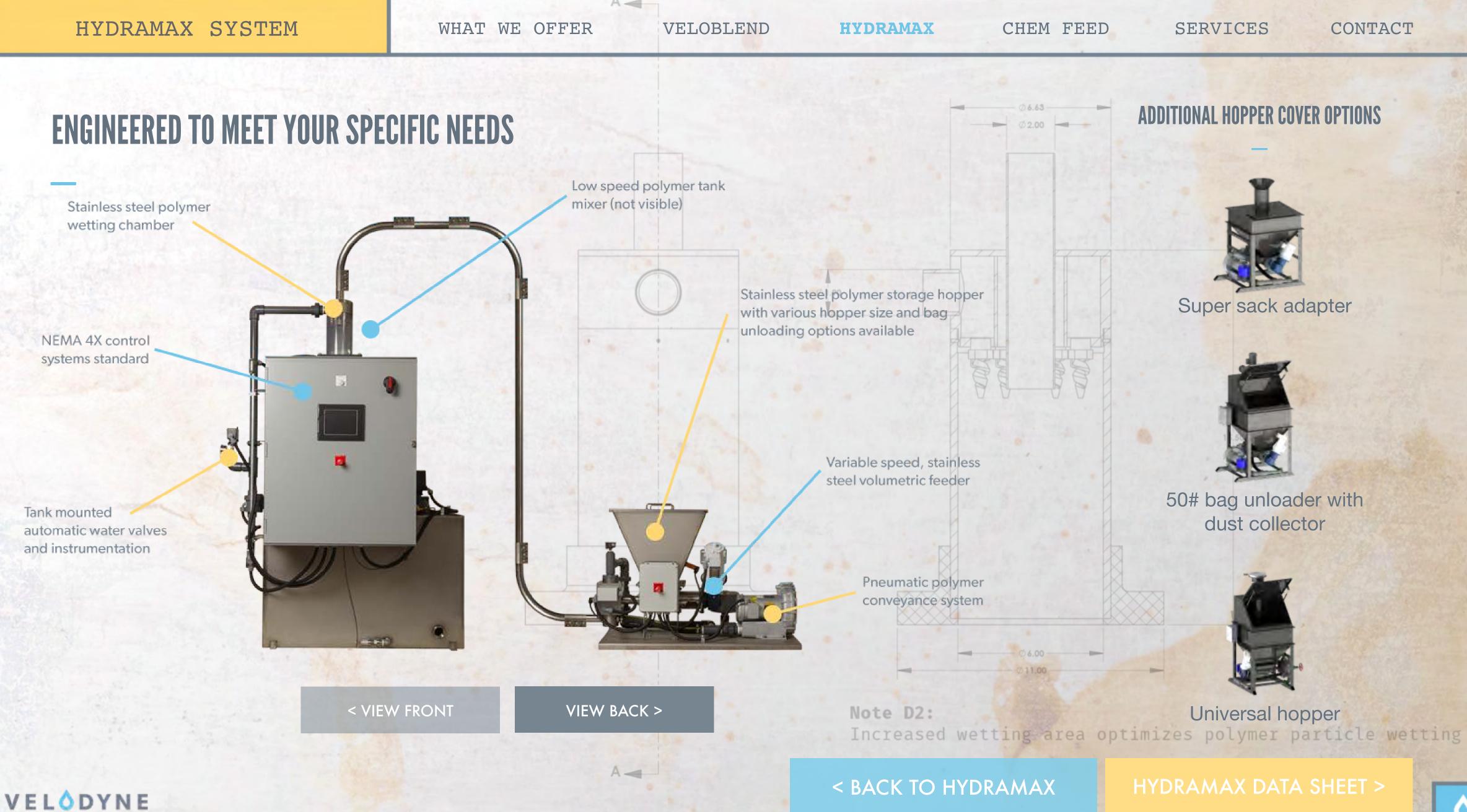
| VELOBLEND BASE MODEL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | WATER GPH           |                    | SERIES | 2400           | 1  | 西 | SE | RIES           | 600 | 0    | -   |     | SE             | RIES | 1200 | 0    | SE SE | RIES 36000 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|--------------------|--------|----------------|----|---|----|----------------|-----|------|-----|-----|----------------|------|------|------|-------|------------|
| VM-0.5P-120                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 0.025 - 0.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 12 - 120            | -                  |        |                |    |   | -  |                |     |      | 1   |     |                |      |      |      |       |            |
| VM-2P-300                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0.1 - 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 30 - 300            |                    |        |                |    |   |    |                |     |      |     |     |                |      |      |      |       |            |
| VM-3P-600                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0.3 - 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 60 - 600            |                    |        |                |    | _ |    |                |     | -    |     |     |                |      |      |      |       |            |
| VM-10P-1200                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 0.5 - 10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 120 - 1200          |                    |        |                |    |   |    |                |     |      |     |     |                |      |      |      |       |            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | and the second se |                     |                    |        |                |    |   |    | -              |     |      | -   |     |                |      |      |      |       |            |
| VM-10P-1800                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 0.5 - 10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 180 - 1800          | -                  |        |                | -  |   | _  |                |     | -    | -   | -   |                |      |      | -    |       |            |
| VM-15P-2400                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 0.75 - 15                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 240 - 2400          |                    | •      |                | -  |   |    | •              |     | _    |     |     |                |      |      |      |       |            |
| VM-20P-3600                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 0.75 - 15                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 360 - 3600          |                    |        |                |    |   |    | •              |     | -    |     |     | _              | _    |      |      |       |            |
| VM-30P-6000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 1.5 - 30                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 600 - 6000          |                    |        |                |    |   |    | •              |     |      |     |     |                |      |      |      |       |            |
| VM-50P-9000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2.5 - 45                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 900 - 9000          |                    |        |                |    |   |    |                |     |      |     |     |                | •    |      |      |       |            |
| VM-60P-12000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 3.0 - 60                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1200 - 12000        |                    |        |                | -  |   |    |                |     |      |     |     |                | •    |      |      |       |            |
| VM-120P-24000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 12 - 120                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 2400 - 24000        |                    |        |                |    |   |    |                |     |      |     |     |                |      |      |      |       | •          |
| VM-150P-30000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 15 - 150                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 3000 - 30000        |                    |        |                | -  |   |    |                |     | -    |     |     |                |      |      |      |       |            |
| VM-150P-36000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 18 - 180                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 3600 - 36000        |                    |        |                | -  |   |    |                |     | -    |     |     |                |      |      |      |       |            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | co                  | NTROL LEV          | ELS    | CONTROL LEVELS |    |   |    | CONTROL LEVELS |     |      |     | ELS | CONTROL LEVELS |      |      |      |       |            |
| CONTROL OPTIONS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                     | Db                 | D      | E              | Db | D | E  | Rw             | Rp  | RpSB | Db  | D   | E              | Rw   | Rp   | RpSB | Db    | Rw         |
| Control Type: Discrete                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                     | •                  | •      | •              | •  | • | •  |                |     |      | •   | •   | •              |      |      |      | •     |            |
| Control Type: PLC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                     |                    |        |                |    |   |    | •              |     | •    |     |     |                |      | •    | •    |       |            |
| Local & Remote Start/Stop                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Discrete Input                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                     |                    | •      |                |    |   |    |                |     | •    |     | •   | •              |      |      | •    |       |            |
| Remote Start/Stop From Ta                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Input               |                    |        |                |    |   |    |                |     |      |     |     |                |      |      |      |       |            |
| Remote Start/Stop From Ta                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                     |                    |        |                |    | - |    |                |     |      |     |     |                |      | -    |      |       |            |
| 4-20Ma Pump Pacing Analo                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | the law we want have been a sub-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |                    |        |                |    |   |    |                |     |      |     |     |                |      |      |      |       |            |
| 4-20Ma Solids Density Anal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                     |                    | -      | -              | -  | - | -  |                | -   |      | -   | -   | -              | -    | -    |      |       |            |
| and a month of the local sector and the sector of the sector sect |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                     |                    |        | -              | -  |   |    | -              |     |      | -   |     |                |      |      |      |       |            |
| System Running Discrete O                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                     |                    |        |                | -  | • | •  | •              | •   | •    |     | •   | •              | •    | •    | •    |       | •          |
| System In Remote Discrete                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Output                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                     | -                  |        | •              | -  | • | •  | •              | •   | •    |     | •   | •              | •    | •    | •    |       | •          |
| Pump Rate Analog Output                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                     |                    |        | •              |    |   | •  | •              | •   | •    | _   |     | •              | •    | •    | •    |       |            |
| Solution Rate Analog Outpu                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | ıt                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                     |                    |        | 1000           | -  | 1 | -  | •              | •   | •    |     |     | 1              | •    | •    | •    |       | •          |
| Loss Of Polymer Flow Alarn                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | n Discrete Output                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                     |                    | •      | •              |    | • | •  | •              | •   | •    | •   | •   |                |      | •    | •    |       |            |
| Loss Of Water Flow Alarm I                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                     |                    |        | •              | •  |   | •  |                |     | •    | •   | •   |                |      |      | •    |       |            |
| Manual Water Ratio Control                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                     |                    |        | -              |    |   | -  |                |     |      |     |     | 1              |      | -    |      |       |            |
| Auto Water Ratio Control                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | See PLC /           | 1000000            |        |                | _  | 1 |    |                |     |      |     |     | -              |      |      | •    |       |            |
| SmartBlend** Mixing Energy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Control                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | HMI Options         |                    |        |                |    |   | -  |                |     |      |     |     |                |      | -    |      |       |            |
| Ethernet Communication                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Control                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Below               |                    |        |                | -  | - |    |                |     |      |     |     | -              |      |      |      |       |            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                     |                    | 0      |                |    | 1 |    |                |     |      |     |     |                | 1 2  |      |      |       |            |
| SKID OPTIONS FO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | OTPRINT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                     |                    | _      |                | -  |   |    | _              |     |      |     |     |                |      |      |      |       |            |
| 1. 34                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | W X 24"D X 42"H                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                     |                    | •      |                | 2  |   |    |                |     |      | -   |     |                |      |      |      |       |            |
| 2. 34                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | W X 30"D X 72"H                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                     |                    |        |                |    |   |    |                |     |      |     |     |                |      |      |      |       |            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | W X 40"D X 52"H                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                     |                    |        |                |    |   |    |                |     |      |     |     |                |      |      |      |       |            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | W X 40"D X 52"H                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                     |                    |        | 1              |    |   | -  | -              |     |      |     | _   |                |      |      |      |       |            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                     |                    |        |                |    |   |    |                |     |      | 1.0 |     |                |      |      |      |       |            |
| POWER OPTIONS SPI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | ECS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                     |                    |        |                |    |   |    |                |     |      |     |     |                |      |      |      |       |            |
| A. 120                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | V/1PH/60HZ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                     |                    | •      |                | 11 |   |    | •              |     |      |     |     |                |      |      |      |       |            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | DV/1PH/60HZ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                     | 1.                 |        |                |    |   |    |                |     |      |     |     |                |      |      |      |       |            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | DV/3PH/60HZ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                     |                    |        |                |    |   |    |                |     |      |     |     |                |      |      |      |       |            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | OV/3PH/60HZ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                     |                    |        |                |    |   |    |                |     |      |     |     |                |      |      |      |       |            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | the second s                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                     |                    |        |                |    |   |    |                |     |      | -   |     |                |      |      |      |       | 1          |
| PLC OPTIONS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 0V/3PH/50HZ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                     |                    |        |                |    |   |    |                |     |      |     |     |                |      |      |      |       |            |
| VeloDyne PLC/HMI Combin                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | ation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                     |                    |        |                |    |   |    |                |     |      |     |     |                | •    |      |      |       |            |
| Allen Bradley MicroLogix                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                     |                    |        |                |    |   |    |                |     |      |     |     |                |      |      |      |       | •          |
| Allen Bradley CompactLogi                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | x                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                     |                    |        |                |    |   |    |                |     |      |     |     |                |      |      |      |       |            |
| Allen Bradley ControlLogix                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                     | a                  |        |                | 1  |   |    |                |     |      |     |     |                |      |      |      |       |            |
| Modicon M340                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                     |                    |        |                | -  |   |    |                |     |      |     |     |                |      |      |      |       |            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                     |                    |        |                |    |   |    | -              |     |      |     |     |                |      |      |      |       |            |
| Modicon Momentum                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                     | -                  |        |                |    |   |    |                |     |      | -   |     |                |      |      |      |       |            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                     |                    |        |                |    |   |    |                |     |      |     |     |                | •    |      |      |       |            |
| HMI OPTIONS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                     | -                  |        |                | -  |   |    | -              |     |      |     |     |                |      |      |      |       | -          |
| C-More 8"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Allen Bradle                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | ey, Modicon, Custom | 1                  |        |                |    |   |    | •              |     |      |     |     |                | •    |      |      |       | •          |
| C-More 10"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Parent brook                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | , nourcon, custom   |                    |        |                |    |   |    | •              |     |      |     |     |                | •    |      |      |       | •          |
| PanelView 7"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                     | 11000              |        |                |    |   |    | •              |     |      |     |     |                | •    |      |      |       | •          |
| PanelView 10"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | All                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | len Bradley         |                    |        |                |    |   |    |                |     |      |     |     |                |      |      |      |       |            |
| PanelView 12"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                     | A DECOMPOSITION OF |        |                |    |   |    |                |     |      |     |     |                |      |      |      |       |            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                     |                    |        |                |    |   |    | -              |     |      |     |     |                | -    |      |      |       | -          |
| Magelis 7"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                     |                    |        |                |    |   |    |                |     |      |     |     |                |      |      |      |       |            |

< BACK













HYDRAMAX SYSTEM

WHAT WE OFFER

# **ENGINEERED TO MEET YOUR SPECIFIC NEEDS**



< VIEW FRONT

VIEW BACK >

A



VELOBLEND

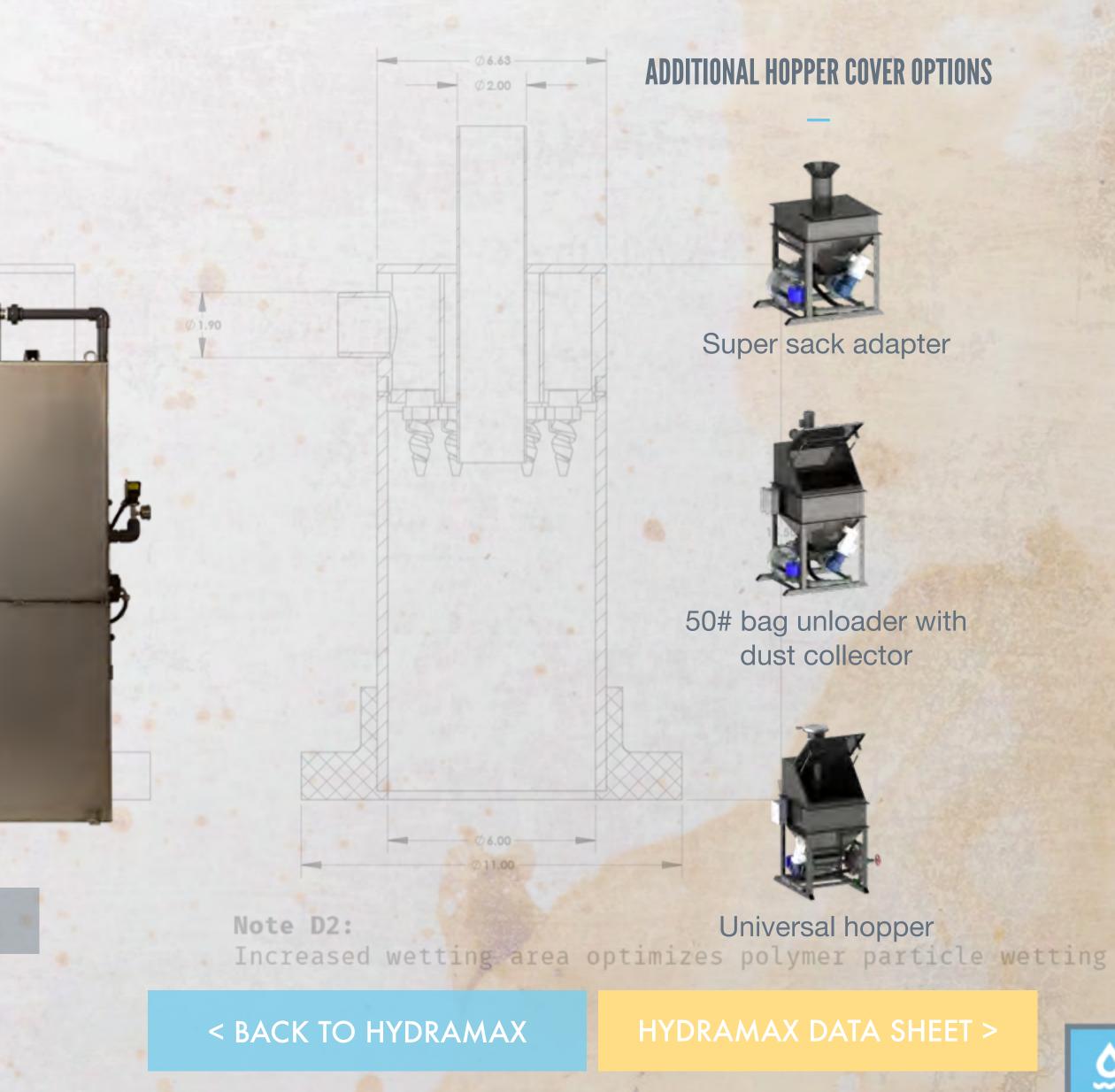
A

HYDRAMAX

CHEM FEED

SERVICES

CONTACT





|                                                                                                                                                                                                                                                                                         |                                                                                                                  | ER AVAILABLE      | GPM SOLUTON | WATER RATE RE        |         |            |           |           |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|-------------------|-------------|----------------------|---------|------------|-----------|-----------|
| YDRAMAX BASE MODEL                                                                                                                                                                                                                                                                      | 0.25%                                                                                                            | 0.50%             | AVAILABLE   | TRANSFER F           | RATE    | SOU SERIES | SS SERIES | AS SERIES |
| S100 45 Minutes Aging                                                                                                                                                                                                                                                                   |                                                                                                                  | 4.7               | 1.9         | 20 GPM @ 50 PSI      | 30 GPM  |            |           |           |
| 60 Minutes Aging                                                                                                                                                                                                                                                                        |                                                                                                                  | 3.7               | 1.5         |                      |         |            |           |           |
| S200 45 Minutes Aging                                                                                                                                                                                                                                                                   |                                                                                                                  | 8.8               | 3.6         | 40 GPM @ 50 PSI      | 40 GPM  |            |           |           |
| 60 Minutes Aging                                                                                                                                                                                                                                                                        |                                                                                                                  | 7.0               | 2.9         |                      |         |            |           |           |
| S400 45 Minutes Aging                                                                                                                                                                                                                                                                   |                                                                                                                  | 16                | 6.2         | 40 GPM @ 50 PSI      | 40 GPM  |            |           |           |
| 60 Minutes Aging                                                                                                                                                                                                                                                                        |                                                                                                                  | 13<br>25          | 5.0         |                      |         |            |           |           |
| S750 45 Minutes Aging                                                                                                                                                                                                                                                                   |                                                                                                                  | 25                | 10<br>8.0   | 50 GPM @ 50 PSI      | 50 GPM  |            |           |           |
| 60 Minutes Aging<br>45 Minutes Aging                                                                                                                                                                                                                                                    |                                                                                                                  | 31                | 13          |                      |         |            |           |           |
| A750 60 Minutes Aging                                                                                                                                                                                                                                                                   |                                                                                                                  | 25                | 10          | 50 GPM @ 50 PSI      | 50 GPM  |            |           | •         |
| 45 Minutos Aging                                                                                                                                                                                                                                                                        |                                                                                                                  | 36                | 14          | Call State State and |         |            |           |           |
| 60 Minutes Aging                                                                                                                                                                                                                                                                        |                                                                                                                  | 29                | 12          | 100 GPM @ 50 PSI     | 100 GPM |            |           |           |
| AE Minutos Aging                                                                                                                                                                                                                                                                        |                                                                                                                  | 45                | 18          |                      |         |            |           |           |
| 60 Minutes Aging                                                                                                                                                                                                                                                                        |                                                                                                                  | 38                | 15          | 100 GPM @ 50 PSI     | 100 GPM |            |           |           |
| 45 Minutos Aging                                                                                                                                                                                                                                                                        |                                                                                                                  | 55                | 22          |                      |         |            |           |           |
| 60 Minutes Aging                                                                                                                                                                                                                                                                        | the second s   | 48                | 19          | 100 GPM @ 50 PSI     | 150 GPM |            |           |           |
| 45 Minutos Aging                                                                                                                                                                                                                                                                        |                                                                                                                  | 65                | 26          |                      |         |            |           |           |
| 60 Minutes Aging                                                                                                                                                                                                                                                                        |                                                                                                                  | 54                | 20          | 100 GPM @ 50 PSI     | 150 GPM |            |           | •         |
| AE Minutos Aging                                                                                                                                                                                                                                                                        | the second s   | 62                | 25          |                      |         |            |           |           |
| 60 Minutes Aging                                                                                                                                                                                                                                                                        |                                                                                                                  | 54                | 21          | 100 GPM @ 50 PSI     | 150 GPM | a later    |           |           |
| 45 Minutos Aging                                                                                                                                                                                                                                                                        | and a second   | 100               | 40          |                      |         |            |           |           |
| 60 Minutes Aging                                                                                                                                                                                                                                                                        | and the second | 83                | 33          | 200 GPM @ 50 PSI     | 200 GPM |            |           |           |
|                                                                                                                                                                                                                                                                                         |                                                                                                                  | 125               |             |                      |         |            |           |           |
| 3000 45 Minutes Aging                                                                                                                                                                                                                                                                   |                                                                                                                  | 125               | 50          | 200 GPM @ 50 PSI     | 200 GPM |            |           |           |
| 60 Minutes Aging                                                                                                                                                                                                                                                                        | 50                                                                                                               | 100               | 40          |                      |         |            |           |           |
| OPPER DESIGN                                                                                                                                                                                                                                                                            |                                                                                                                  |                   |             |                      |         |            |           |           |
| 0# Bag Unloader                                                                                                                                                                                                                                                                         |                                                                                                                  |                   |             |                      |         |            |           | •         |
| O# Bag Unloader With Dust                                                                                                                                                                                                                                                               | t Collector                                                                                                      |                   |             |                      |         |            |           |           |
| ulk-Bag Adapter                                                                                                                                                                                                                                                                         |                                                                                                                  |                   |             |                      | 1       |            |           | •         |
| combination 50# Bag / Supe                                                                                                                                                                                                                                                              | er Sack Unloader                                                                                                 |                   |             |                      |         | •          | •         | •         |
| ilo - Bulk Delivery                                                                                                                                                                                                                                                                     |                                                                                                                  |                   |             |                      |         |            |           |           |
|                                                                                                                                                                                                                                                                                         |                                                                                                                  |                   |             |                      |         |            |           |           |
| TOPAGE CAPACITY CUBIC                                                                                                                                                                                                                                                                   | FFFT                                                                                                             |                   |             |                      |         |            |           |           |
| TORAGE CAPACITY CUBIC                                                                                                                                                                                                                                                                   | FEET                                                                                                             | -                 |             |                      |         |            | •         | •         |
| TORAGE CAPACITY CUBIC                                                                                                                                                                                                                                                                   | FEET                                                                                                             |                   |             |                      |         |            | •         |           |
|                                                                                                                                                                                                                                                                                         | FEET                                                                                                             |                   |             |                      |         |            | •         | · ·       |
| 0                                                                                                                                                                                                                                                                                       | FEET                                                                                                             |                   |             |                      |         | :          | •         | •         |
| 0                                                                                                                                                                                                                                                                                       | FEET                                                                                                             |                   |             |                      |         |            | •         | •         |
| 0                                                                                                                                                                                                                                                                                       | FEET                                                                                                             |                   |             |                      |         |            | •         | •         |
| 0<br>0<br>0<br>500                                                                                                                                                                                                                                                                      | FEET                                                                                                             |                   |             |                      |         | •          | •         | •         |
| 0<br>0<br>0<br>500                                                                                                                                                                                                                                                                      | FEET                                                                                                             |                   |             |                      |         |            | •         | •         |
| 0<br>0<br>500<br>LC OPTIONS<br>eloDyne PLC/HMI Combina                                                                                                                                                                                                                                  |                                                                                                                  |                   |             |                      |         | •          | •         | •         |
| 0<br>0<br>500<br>LC OPTIONS<br>eloDyne PLC/HMI Combina<br>Ilen Bradley MicroLogix                                                                                                                                                                                                       | tion                                                                                                             |                   |             |                      |         | •          | •         | •         |
| 0<br>0<br>0<br>500<br><b>LC OPTIONS</b><br>eloDyne PLC/HMI Combina<br>Ilen Bradley MicroLogix<br>Ilen Bradley CompactLogix                                                                                                                                                              | tion                                                                                                             |                   |             |                      |         | •          | •         |           |
| 0<br>0<br>0<br>500<br>LC OPTIONS<br>eloDyne PLC/HMI Combina<br>Ilen Bradley MicroLogix<br>Ilen Bradley CompactLogix<br>Ilen Bradley ControlLogix                                                                                                                                        | tion                                                                                                             |                   |             |                      |         | •          |           |           |
| 0<br>0<br>0<br>500<br>LC OPTIONS<br>eloDyne PLC/HMI Combina<br>Ilen Bradley MicroLogix<br>Ilen Bradley CompactLogix<br>Ilen Bradley ControlLogix<br>Ilen Bradley ControlLogix                                                                                                           | tion                                                                                                             |                   |             |                      |         | •          |           |           |
| 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0                                                                                                                                                                                             | tion                                                                                                             |                   |             |                      |         | •          |           |           |
| 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0                                                                                                                                                                                             | tion                                                                                                             |                   |             |                      |         | •          |           | •         |
| 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0                                                                                                                                                                                             | tion                                                                                                             |                   |             |                      |         | •          |           |           |
| 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0                                                                                                                                                                                             | tion                                                                                                             | ey / Modicon / Cu | Istom PLC   |                      |         | •          |           |           |
| 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0                                                                                                                                                                                             | tion                                                                                                             | ey / Modicon / Cu | Istom PLC   |                      |         | •          |           |           |
| 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0                                                                                                                                                                                             | tion<br>Allen Bradle                                                                                             |                   |             |                      |         | •          |           |           |
| 0<br>0<br>0<br>500<br>LC OPTIONS<br>eloDyne PLC/HMI Combina<br>Ilen Bradley MicroLogix<br>Ilen Bradley CompactLogix<br>Ilen Bradley CompactLogix<br>Ilen Bradley ControlLogix<br>Iodicon M340<br>Iodicon Momentum<br>MI OPTIONS<br>-More 8"<br>-More 10"<br>anelView 7"<br>anelView 10" | tion<br>Allen Bradle                                                                                             | ey / Modicon / Cu |             |                      |         | •          |           |           |
| 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0                                                                                                                                                                                             | tion<br>Allen Bradle                                                                                             |                   |             |                      |         | •          |           |           |
| 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0                                                                                                                                                                                             | tion<br>Allen Bradle                                                                                             |                   |             |                      |         | •          |           |           |
| 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0                                                                                                                                                                                             | tion<br>Allen Bradle                                                                                             | llen Bradley PLC  |             |                      |         | •          |           |           |
| 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0                                                                                                                                                                                                                      | tion<br>Allen Bradle                                                                                             | llen Bradley PLC  |             |                      |         | •          |           |           |
| 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0                                                                                                                                                                                             | tion<br>Allen Bradle                                                                                             | llen Bradley PLC  |             |                      |         | •          |           |           |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                      | #/HR POLYMEI<br>SOLUTION CON |                                   | GPM SOLUTON | WATER RATE RE     |          |            |                       |           |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------------------|-------------|-------------------|----------|------------|-----------------------|-----------|
| YDRAN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | MAX BASE MODEL                                                                                                                                                                       | 0.25%                        | 0.50%                             | AVAILABLE   | TRANSFER F        | RATE     | SOU SERIES | SS SERIES             | AS SERIES |
| S100                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 45 Minutes Aging                                                                                                                                                                     | 2.4                          | 4.7                               | 1.9         | 20 GPM @ 50 PSI   | 30 GPM   |            |                       |           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 60 Minutes Aging                                                                                                                                                                     | 1.8                          | 3.7                               | 1.5         |                   |          |            |                       |           |
| S200                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 45 Minutes Aging                                                                                                                                                                     | 4.4                          | 8.8                               | 3.6         | 40 GPM @ 50 PSI   | 40 GPM   |            |                       |           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 60 Minutes Aging                                                                                                                                                                     | 3.5                          | 7.0                               | 2.9         |                   |          |            |                       |           |
| S400                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 45 Minutes Aging                                                                                                                                                                     | 8.0                          | 16                                | 6.2         | 40 GPM @ 50 PSI   | 40 GPM   |            |                       |           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 60 Minutes Aging                                                                                                                                                                     | 6.5                          | 13                                | 5.0         |                   |          |            |                       |           |
| S750                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 45 Minutes Aging                                                                                                                                                                     | 12                           | 25                                | 10          | 50 GPM @ 50 PSI   | 50 GPM   |            |                       |           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 60 Minutes Aging                                                                                                                                                                     | 10                           | 21                                | 8.0         | -                 |          |            |                       |           |
| A750                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 45 Minutes Aging                                                                                                                                                                     | 15                           | 31                                | 13          | 50 GPM @ 50 PSI   | 50 GPM   |            |                       |           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 60 Minutes Aging                                                                                                                                                                     | 12<br>18                     | 25<br>36                          | 10          |                   |          |            |                       |           |
| S1000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 45 Minutes Aging<br>60 Minutes Aging                                                                                                                                                 | 14                           | 29                                | 14 12       | 100 GPM @ 50 PSI  | 100 GPM  |            |                       |           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 45 Minutes Aging                                                                                                                                                                     | 22                           | 45                                | 18          |                   |          |            |                       |           |
| S1500                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                      | 19                           |                                   | 15          | 100 GPM @ 50 PSI  | 100 GPM  |            |                       |           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 60 Minutes Aging                                                                                                                                                                     |                              | 38                                |             |                   |          |            |                       |           |
| \$2000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 45 Minutes Aging                                                                                                                                                                     | 27                           | 55                                | 22          | 100 GPM @ 50 PSI  | 150 GPM  |            |                       |           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 60 Minutes Aging                                                                                                                                                                     | 24                           | 48                                | 19          |                   |          |            |                       |           |
| 42000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 45 Minutes Aging                                                                                                                                                                     | 32                           | 65                                | 26          | 100 GPM @ 50 PSI  | 150 GPM  |            |                       |           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 60 Minutes Aging                                                                                                                                                                     | 27                           | 54                                | 22          |                   |          |            |                       |           |
| \$2500                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 45 Minutes Aging                                                                                                                                                                     | 31                           | 62                                | 25          | 100 GPM @ 50 PSI  | 150 GPM  |            |                       |           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 60 Minutes Aging                                                                                                                                                                     | 27                           | 54                                | 21          |                   |          |            |                       |           |
| 53000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 45 Minutes Aging                                                                                                                                                                     | 50                           | 100                               | 40          | 200 GPM @ 50 PSI  | 200 GPM  |            |                       |           |
| 55000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 60 Minutes Aging                                                                                                                                                                     | 41                           | 83                                | 33          | 200 OFIT @ JO FOI | 200 000  |            |                       |           |
| 43000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 45 Minutes Aging                                                                                                                                                                     | 62                           | 125                               | 50          | 200 GPM @ 50 PSI  | 200 GPM  |            |                       |           |
| 13000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 60 Minutes Aging                                                                                                                                                                     | 50                           | 100                               | 40          | 200 000 00 00 00  | 200 0111 |            |                       |           |
| O# Bag                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Unloader<br>Unloader With Dust C<br>g Adapter<br>ation 50# Bag / Super                                                                                                               |                              |                                   |             |                   | -        |            | :                     |           |
| ilo - Bu                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | E CAPACITY CUBIC F                                                                                                                                                                   |                              |                                   |             |                   |          |            | •                     | •         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                      |                              |                                   |             |                   |          |            |                       |           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                      |                              |                                   |             |                   |          |            |                       |           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                      |                              |                                   |             |                   |          |            |                       |           |
| 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                      |                              |                                   |             |                   |          |            |                       |           |
| 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                      |                              |                                   |             |                   |          |            |                       |           |
| 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                      |                              |                                   |             |                   |          |            |                       |           |
| 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                      |                              |                                   |             |                   |          |            |                       | •         |
| 0<br>500                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                      |                              |                                   |             |                   | 11       |            | ·                     | •         |
| 0<br>500<br>PLC OP1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | the second se                                                                      |                              |                                   |             |                   | 14       |            | ·                     | •         |
| 0<br>500<br>PLC OPT<br>/eloDyn                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | e PLC/HMI Combinatio                                                                                                                                                                 | n                            |                                   |             |                   |          |            | •                     | •         |
| O<br>500<br>PLC OP1<br>/eloDyn                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | e PLC/HMI Combinatio<br>adley MicroLogix                                                                                                                                             | n                            |                                   |             |                   |          |            | •                     | •         |
| O<br>500<br>PLC OPT<br>VeloDyn<br>Allen Bra<br>Allen Bra                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | e PLC/HMI Combinatio<br>adley MicroLogix<br>adley CompactLogix                                                                                                                       | on                           |                                   |             |                   |          | •          | •                     | •         |
| O<br>500<br>PLC OPT<br>Allen Bra<br>Allen Bra<br>Allen Bra                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | e PLC/HMI Combinatio<br>adley MicroLogix<br>adley CompactLogix<br>adley ControlLogix                                                                                                 | n                            |                                   |             |                   |          |            | •                     | •         |
| O<br>500<br>VeloDyn<br>Allen Bra<br>Allen Bra<br>Allen Bra<br>Allen Bra                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | e PLC/HMI Combination<br>adley MicroLogix<br>adley CompactLogix<br>adley ControlLogix<br>M340                                                                                        | on                           |                                   |             |                   |          | •          | •                     | •         |
| 0<br>500<br>eloDyn<br>Ilen Bra<br>Ilen Bra<br>Ilen Bra<br>Ilen Bra                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | e PLC/HMI Combinatio<br>adley MicroLogix<br>adley CompactLogix<br>adley ControlLogix                                                                                                 | n                            |                                   |             |                   |          | •          | •<br>•<br>•<br>•<br>• | •         |
| O<br>SOO<br>VeloDyn<br>Allen Bra<br>Allen Bra                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | e PLC/HMI Combination<br>adley MicroLogix<br>adley CompactLogix<br>adley ControlLogix<br>M340<br>Momentum<br>FIONS                                                                   | m                            |                                   |             |                   |          | •          | •                     |           |
| O<br>SOO<br>PLC OPT<br>VeloDyn<br>Allen Bra<br>Allen Bra                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | e PLC/HMI Combination<br>adley MicroLogix<br>adley CompactLogix<br>adley ControlLogix<br>M340<br>Momentum<br>FIONS<br>8"                                                             |                              | / Modicon / Cu                    | stom PLC    |                   |          |            |                       |           |
| Allen Bra<br>Allen        | e PLC/HMI Combination<br>adley MicroLogix<br>adley CompactLogix<br>adley ControlLogix<br>M340<br>Momentum<br>FIONS<br>8"<br>10"                                                      |                              | / Modicon / Cu                    | stom PLC    |                   |          |            |                       |           |
| Allen Bra<br>Allen        | e PLC/HMI Combination<br>adley MicroLogix<br>adley CompactLogix<br>adley ControlLogix<br>M340<br>Momentum<br>FIONS<br>B"<br>10"<br>aw 7"                                             | Allen Bradley                |                                   |             |                   |          |            |                       |           |
| Allen Bra<br>Allen        | e PLC/HMI Combination<br>adley MicroLogix<br>adley CompactLogix<br>adley ControlLogix<br>M340<br>Momentum<br>FIONS<br>8"<br>10"<br>2007<br>2007<br>2007                              | Allen Bradley                | / Modicon / Cus<br>en Bradley PLC |             |                   |          |            |                       |           |
| Allen Bra<br>Allen        | e PLC/HMI Combination<br>adley MicroLogix<br>adley CompactLogix<br>adley ControlLogix<br>M340<br>Momentum<br>FIONS<br>8"<br>10"<br>9w 7"<br>9w 10"<br>9w 12"                         | Allen Bradley                |                                   |             |                   |          |            |                       |           |
| O<br>SOO<br>PLC OPT<br>VeloDyn<br>Allen Bra<br>Allen Bra<br>Alle | e PLC/HMI Combination<br>adley MicroLogix<br>adley CompactLogix<br>adley ControlLogix<br>M340<br>Momentum<br>FIONS<br>8"<br>10"<br>ew 7"<br>ew 10"<br>ew 12"<br>7"                   | Allen Bradley<br>Alle        | en Bradley PLC                    |             |                   |          |            |                       |           |
| 0<br>500<br>LC OP1<br>eloDyn<br>llen Bra<br>llen Bra<br>llen Bra<br>llen Bra<br>lodicon<br>fodicon<br>MI OP1<br>-More f<br>anelVie<br>anelVie<br>fagelis<br>fagelis                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | e PLC/HMI Combination<br>adley MicroLogix<br>adley CompactLogix<br>adley ControlLogix<br>a M340<br>a Momentum<br>FIONS<br>8"<br>10"<br>ew 10"<br>ew 10"<br>ew 12"<br>7"<br>10"       | Allen Bradley<br>Alle        |                                   |             |                   |          |            |                       |           |
| O<br>LC OP1<br>VeloDyn<br>Ilen Bra<br>Ilen Ilen Bra<br>Ilen Bra<br>Ilen Ilen Bra<br>Ilen B                                                                                                                                                                                                                   | e PLC/HMI Combination<br>adley MicroLogix<br>adley CompactLogix<br>adley ControlLogix<br>M340<br>Momentum<br>FIONS<br>8"<br>10"<br>9w 7"<br>9w 10"<br>9w 12"<br>7"<br>10"<br>OPTIONS | Allen Bradley<br>Alle        | en Bradley PLC                    |             |                   |          |            |                       |           |
| 0<br>ECOPT<br>eloDyn<br>llen Bra<br>llen Bra<br>llen Bra<br>lodicon<br>MI OPT<br>-More 1<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>anelVie<br>a                                                                                                                                                                   | e PLC/HMI Combination<br>adley MicroLogix<br>adley CompactLogix<br>adley ControlLogix<br>a M340<br>a Momentum<br>FIONS<br>8"<br>10"<br>ew 10"<br>ew 10"<br>ew 12"<br>7"<br>10"       | Allen Bradley<br>Alle        | en Bradley PLC                    |             |                   |          |            |                       |           |

| VEL                  | DYNE   HY                            | DRAMAX MO     | DELS            |                    |                  |         |            | -            |           |
|----------------------|--------------------------------------|---------------|-----------------|--------------------|------------------|---------|------------|--------------|-----------|
|                      |                                      | #/HR POLYMER  | AVAILABLE       | GPM SOLUTON        | WATER RATE RE    |         | SOU SERIES | SS SERIES    | AS SERIES |
| HYDRAM               | IAX BASE MODEL                       | 0.25%         | 0.50%           | AVAILABLE          | TRANSFER R       | RATE    | SOU SERIES | AP 33 SERIES | AS SERIES |
| S100                 | 45 Minutes Aging<br>60 Minutes Aging | 2.4           | 4.7 3.7         | 1.9                | 20 GPM @ 50 PSI  | 30 GPM  |            |              |           |
|                      | 45 Minutes Aging                     | 4.4           | 8.8             | 3.6                |                  |         |            |              |           |
| S200                 | 60 Minutes Aging                     | 3.5           | 7.0             | 2.9                | 40 GPM @ 50 PSI  | 40 GPM  | •          |              |           |
| 0.100                | 45 Minutes Aging                     | 8.0           | 16              | 6.2                |                  | 10.0011 |            |              |           |
| S400                 | 60 Minutes Aging                     | 6.5           | 13              | 5.0                | 40 GPM @ 50 PSI  | 40 GPM  | •          |              |           |
| S750                 | 45 Minutes Aging                     | 12            | 25              | 10                 | 50 GPM @ 50 PSI  | 50 GPM  |            |              |           |
| 5750                 | 60 Minutes Aging                     | 10            | 21              | 8.0                | 50 GPM @ 50 PSI  | JUGPM   |            | •            |           |
| A750                 | 45 Minutes Aging                     | 15            | 31              | 13                 | 50 GPM @ 50 PSI  | 50 GPM  |            |              |           |
|                      | 60 Minutes Aging                     | 12<br>18      | 25<br>36        | 10                 |                  |         |            |              |           |
| S1000                | 45 Minutes Aging<br>60 Minutes Aging | 10            | 29              | 14<br>12           | 100 GPM @ 50 PSI | 100 GPM |            |              |           |
|                      | 45 Minutes Aging                     | 22            | 45              | 18                 |                  |         |            |              |           |
| S1500                | 60 Minutes Aging                     | 19            | 38              | 15                 | 100 GPM @ 50 PSI | 100 GPM |            |              |           |
|                      | 45 Minutes Aging                     | 27            | 55              | 22                 |                  |         |            |              |           |
| S2000                | 60 Minutes Aging                     | 24            | 48              | 19                 | 100 GPM @ 50 PSI | 150 GPM |            |              |           |
| 42000                | 45 Minutes Aging                     | 32            | 65              | 26                 | 100 004 0 50 001 | 150 004 |            |              |           |
| A2000                | 60 Minutes Aging                     | 27            | 54              | 22                 | 100 GPM @ 50 PSI | 150 GPM |            |              | •         |
| S2500                | 45 Minutes Aging                     | 31            | 62              | 25                 | 100 GPM @ 50 PSI | 150 GPM |            |              |           |
| 52500                | 60 Minutes Aging                     | 27            | 54              | 21                 | 100 GPM @ 50 PSI | 150 GPM |            | •            |           |
| \$3000               | 45 Minutes Aging                     | 50            | 100             | 40                 | 200 GPM @ 50 PSI | 200 GPM |            |              |           |
| 33000                | 60 Minutes Aging                     | 41            | 83              | 33                 | 200 000 00 00 00 | 200 000 | 1          | •            |           |
| A3000                | 45 Minutes Aging                     | 62            | 125             | 50                 | 200 GPM @ 50 PSI | 200 GPM | -          |              |           |
| 1.0000               | 60 Minutes Aging 50 100              |               | 40              | Loo on the soliton | 200 0111         |         |            |              |           |
| HOPPER               | DESIGN                               |               |                 |                    |                  |         |            |              |           |
| 50# Bag              | Unloader                             |               |                 |                    |                  |         |            |              | •         |
|                      | Unloader With Dust C                 | ollector      |                 |                    |                  |         |            |              |           |
|                      | Adapter                              |               |                 |                    |                  | 1       |            |              | •         |
|                      | tion 50# Bag / Super                 | Sack Unloader |                 |                    |                  |         | •          | •            | •         |
| Silo - Bul           | k Delivery                           |               |                 |                    |                  |         |            | •            | •         |
| STORAG               | E CAPACITY CUBIC F                   | EET           |                 |                    |                  | _       |            |              |           |
| 2                    |                                      |               |                 |                    |                  |         |            |              |           |
| 4                    |                                      |               |                 |                    |                  |         |            |              |           |
| 10                   |                                      |               |                 |                    |                  |         |            |              | •         |
| 20                   |                                      |               |                 |                    |                  |         |            |              |           |
| 70                   |                                      |               |                 |                    |                  |         |            |              | • •       |
| 1500                 |                                      |               |                 |                    |                  |         |            |              | •         |
| PLC OPT              | IONS                                 |               |                 |                    |                  |         |            |              |           |
| VeloDyne             | PLC/HMI Combinatio                   | n             |                 |                    |                  |         |            |              |           |
|                      | dley MicroLogix                      |               |                 |                    |                  |         | •          |              | •         |
|                      | dley CompactLogix                    |               |                 |                    |                  |         | •          | •            | •         |
|                      | dley ControlLogix                    |               |                 |                    |                  |         | •          |              |           |
| Modicon              | Momentum                             |               |                 |                    |                  |         |            |              | •         |
|                      |                                      |               |                 |                    |                  |         |            |              |           |
| HMI OPT              |                                      |               |                 |                    |                  |         |            |              |           |
| C-More 8             |                                      | Allen Bradley | / Modicon / Cu  | ustom PLC          |                  |         |            |              | •         |
| C-More 1<br>PanelVie |                                      |               |                 |                    |                  |         |            |              |           |
| PanelVie             |                                      | Alle          | en Bradley PLC  | -                  |                  |         |            |              |           |
| PanelVie             |                                      | -             | and brunney rec |                    |                  |         |            |              |           |
| Magelis 7            |                                      |               |                 |                    |                  |         |            |              |           |
| Magelis 1            |                                      | N             | 1odicon PLC     |                    |                  |         |            |              | •         |
| POWER                | OPTIONS                              | Service 1     |                 |                    | The state        |         |            |              |           |
| 240V/3P              |                                      |               |                 |                    |                  |         | •          |              |           |
| 480V/3P              |                                      |               |                 |                    |                  |         |            |              |           |
| 600V/3P              | H/SUHZ                               |               |                 |                    |                  | 1       |            | •            | •         |

|                                                                                                                | DYNE   HY                            | #/HR POLYME<br>SOLUTION CO | R AVAILABLE      |            | WATER RATE RE    |         | SOU SERIES |              | AS SERIES |
|----------------------------------------------------------------------------------------------------------------|--------------------------------------|----------------------------|------------------|------------|------------------|---------|------------|--------------|-----------|
| HYDRAM                                                                                                         | AX BASE MODEL                        | 0.25%                      | 0.50%            | AVAILABLE  | TRANSFER F       | RATE    | SOU SERIES | AP 35 SERIES | AS SERIES |
| S100                                                                                                           | 45 Minutes Aging<br>60 Minutes Aging | 2.4<br>1.8                 | 4.7<br>3.7       | 1.9<br>1.5 | 20 GPM @ 50 PSI  | 30 GPM  |            |              |           |
|                                                                                                                | 45 Minutes Aging                     | 4.4                        | 8.8              | 3.6        |                  |         | -          |              |           |
| S200                                                                                                           | 60 Minutes Aging                     | 3.5                        | 7.0              | 2.9        | 40 GPM @ 50 PSI  | 40 GPM  | •          |              |           |
|                                                                                                                | 45 Minutes Aging                     | 8.0                        | 16               | 6.2        |                  |         |            |              |           |
| S400                                                                                                           | 60 Minutes Aging                     | 6.5                        | 13               | 5.0        | 40 GPM @ 50 PSI  | 40 GPM  | •          |              |           |
| S750                                                                                                           | 45 Minutes Aging                     | 12                         | 25               | 10         | FO COM @ FO DOL  | FOCOM   |            |              |           |
| 5750                                                                                                           | 60 Minutes Aging                     | 10                         | 21               | 8.0        | 50 GPM @ 50 PSI  | 50 GPM  |            | •            |           |
| A750                                                                                                           | 45 Minutes Aging                     | 15                         | 31               | 13         | 50 GPM @ 50 PSI  | 50 GPM  |            |              |           |
| AISU                                                                                                           | 60 Minutes Aging                     | 12                         | 25               | 10         | 50 0111 @ 501 51 | 50 0111 |            |              |           |
| S1000                                                                                                          | 45 Minutes Aging                     | 18                         | 36               | 14         | 100 GPM @ 50 PSI | 100 GPM |            |              |           |
|                                                                                                                | 60 Minutes Aging                     | 14                         | 29               | 12         |                  |         |            |              |           |
| S1500                                                                                                          | 45 Minutes Aging                     | 22                         | 45               | 18         | 100 GPM @ 50 PSI | 100 GPM |            |              |           |
|                                                                                                                | 60 Minutes Aging                     | 19                         | 38               | 15         | and the second   |         |            |              |           |
| S2000                                                                                                          | 45 Minutes Aging                     | 27                         | 55               | 22         | 100 GPM @ 50 PSI | 150 GPM |            |              |           |
|                                                                                                                | 60 Minutes Aging                     | 24                         | 48               | 19         |                  |         |            |              |           |
| A2000                                                                                                          | 45 Minutes Aging                     | 32                         | 65               | 26<br>22   | 100 GPM @ 50 PSI | 150 GPM |            |              |           |
|                                                                                                                | 60 Minutes Aging                     | 27                         | 54               |            |                  |         |            |              |           |
| S2500                                                                                                          | 45 Minutes Aging                     | 31                         | 62               | 25         | 100 GPM @ 50 PSI | 150 GPM |            |              |           |
|                                                                                                                | 60 Minutes Aging                     | 27                         | 54               | 21         |                  |         |            |              |           |
| \$3000                                                                                                         | 45 Minutes Aging                     | 50                         | 100              | 40         | 200 GPM @ 50 PSI | 200 GPM |            |              |           |
|                                                                                                                | 60 Minutes Aging                     | 41                         | 83               | 33         |                  |         |            |              |           |
| A3000                                                                                                          | 45 Minutes Aging<br>60 Minutes Aging | 62<br>50                   | 125<br>100       | 50<br>40   | 200 GPM @ 50 PSI | 200 GPM |            |              | •         |
| HOPPER                                                                                                         | DESIGN                               |                            |                  |            |                  |         |            |              |           |
|                                                                                                                | Unloader                             |                            |                  |            |                  |         |            |              | •         |
|                                                                                                                | Unloader With Dust C                 | ollector                   |                  |            |                  |         |            |              |           |
| the second s | Adapter                              |                            |                  |            |                  | -       |            |              |           |
|                                                                                                                | tion 50# Bag / Super                 | Sack Unloader              |                  |            |                  |         |            | •            | •         |
| Silo - Bul                                                                                                     | k Delivery                           |                            |                  |            |                  |         |            | •            | •         |
| STORAG                                                                                                         | E CAPACITY CUBIC FI                  | EET                        |                  |            |                  |         |            |              |           |
| 2                                                                                                              |                                      |                            |                  |            |                  |         |            |              |           |
| 4                                                                                                              |                                      |                            |                  |            |                  |         |            |              |           |
| 10                                                                                                             |                                      |                            |                  |            |                  |         |            |              |           |
| 20                                                                                                             |                                      |                            |                  |            |                  |         |            |              |           |
| 70                                                                                                             |                                      |                            |                  |            |                  |         |            | •            | •         |
| 1500                                                                                                           |                                      |                            |                  |            |                  |         |            |              | •         |
| PLC OPT                                                                                                        | IONS                                 |                            |                  |            |                  |         |            |              |           |
| VeloDyne                                                                                                       | PLC/HMI Combinatio                   | n                          |                  |            |                  |         |            |              |           |
|                                                                                                                | dley MicroLogix                      |                            |                  |            |                  | 1000    | •          |              | •         |
|                                                                                                                | dley CompactLogix                    |                            |                  |            |                  |         | •          | •            | •         |
|                                                                                                                | dley ControlLogix                    |                            |                  |            |                  |         | •          | •            | •         |
| Modicon                                                                                                        |                                      |                            |                  |            |                  |         | •          |              | •         |
| Modicon                                                                                                        | Momentum                             |                            |                  |            |                  |         | •          |              | •         |
| HMI OPT                                                                                                        |                                      |                            |                  |            |                  |         |            |              |           |
| C-More 8                                                                                                       |                                      | Allen Bradle               | y / Modicon / Cu | ustom PLC  |                  |         |            |              |           |
| C-More 10                                                                                                      |                                      |                            |                  |            |                  |         |            |              |           |
| PanelViev<br>PanelViev                                                                                         |                                      | -                          | llen Bradley PLC | -          |                  |         |            |              |           |
| PanelView                                                                                                      |                                      | A                          | nen brauley PLC  | 2          |                  |         |            |              |           |
| Magelis 7                                                                                                      |                                      |                            |                  |            |                  |         |            |              |           |
| Magelis 1                                                                                                      |                                      |                            | Modicon PLC      |            |                  |         |            |              |           |
|                                                                                                                | OPTIONS                              | Sec                        |                  |            |                  |         |            |              |           |
| 240V/3P                                                                                                        |                                      |                            |                  |            |                  |         |            |              |           |
|                                                                                                                | H/60HZ                               |                            |                  |            |                  |         |            |              |           |
| 600V/3P                                                                                                        |                                      |                            |                  |            |                  |         | •          |              |           |
|                                                                                                                | A REAL PROPERTY.                     |                            |                  |            |                  |         |            |              |           |

| C-More 8"     | Allen Bradley / Modicon / Custom PLC |  |
|---------------|--------------------------------------|--|
| C-More 10"    | Allen bradley / Hodicon / Custom PEC |  |
| PanelView 7"  |                                      |  |
| PanelView 10" | Allen Bradley PLC                    |  |
| PanelView 12" |                                      |  |
| Magelis 7"    |                                      |  |
| Magelis 10"   | Modicon PLC                          |  |
| POWER OPTIONS |                                      |  |
| 2401/701/6017 |                                      |  |

| 240V | /3PH/60HZ                      |  |
|------|--------------------------------|--|
| 480V | //3PH/60HZ                     |  |
|      | a dama and a litera and a sume |  |

< BACK





To effectively optimize polymer performance, you have to understand polymer in all its phases. VeloDyne's innate knowledge of polymer itself is one of the reasons our systems are so effective in optimizing the performance of such a wide range of polymers.



#### NEAT POLYMER

"Neat polymer" refers to the polymer you get from your supplier. It's primarily comprised of unactivated, coiled-up polymer encased in oil, water and an inverting agent.

#### FULLY ACTIVATED, UNDAMAGED POLYMER

When neat polymer is exposed to the proper mixing conditions, the oil is effectively scrubbed and the polymer fully uncoils, which allows it to become fully optimized and deliver peak performance.



#### **DAMAGED POLYMER**

Once the polymer uncoils, it is susceptible to shear damage from the impeller during the mixing process. Damaged polymer is far less effective and will increase your polymer usage.

VELODYNE

VELOBLEND HYDRAMAX CHEM FEED SERVICES CONTACT



#### **UNACTIVATED POLYMER MOLECULE**

In its neat state, the polymer is coiled like a spring and is capable of withstanding ultra-high mixing energy without experiencing damage to its molecular structure.

# 0

#### **PARTIALLY ACTIVATED POLYMER**

When exposed to insufficient mixing energy, the polymer fails to fully activate. This limits the polymer's effectiveness and reduces its ability to perform efficiently, which ultimately increases the amount of polymer you need.

OPTIMIZING DRY POLYMER >



A number of factors go into effectively optimizing dry polymer. The thorough understanding of each of these factors is one reason VeloDyne systems are so effective in optimizing the performance of such a wide range of polymers.

#### **EFFECTIVE POLYMER PARTICLE WETTING**

Optimizing dry polymer performance starts with effectively wetting each individual polymer particle. The most efficient way to achieve this is by separating the particles just prior to wetting, so each individual particle is exposed to wetting. Methods such as simply metering dry polymer into a wetting bowl require longer wetting times, which can result in shear damage caused by the mixing impeller.



#### **PROPER MIXING**

When polymer is first wetted, the molecule is not susceptible to damaging shear induced by a tank mixing impeller. However, during the hydration process the polymer elongates and becomes susceptible to shear, which can degrade the polymer's effectiveness. Too low of mixing energy, or insufficient mix times will prevent the polymer from fully uncoiling. Too much mixing energy or mixing for too long will damage the polymer. Inducing higher initial impeller speeds that are then decreased as the polymer becomes more activated delivers a better performing polymer solution.

VELODYNE



#### **PROPER SOLUTION CONCENTRATIONS**

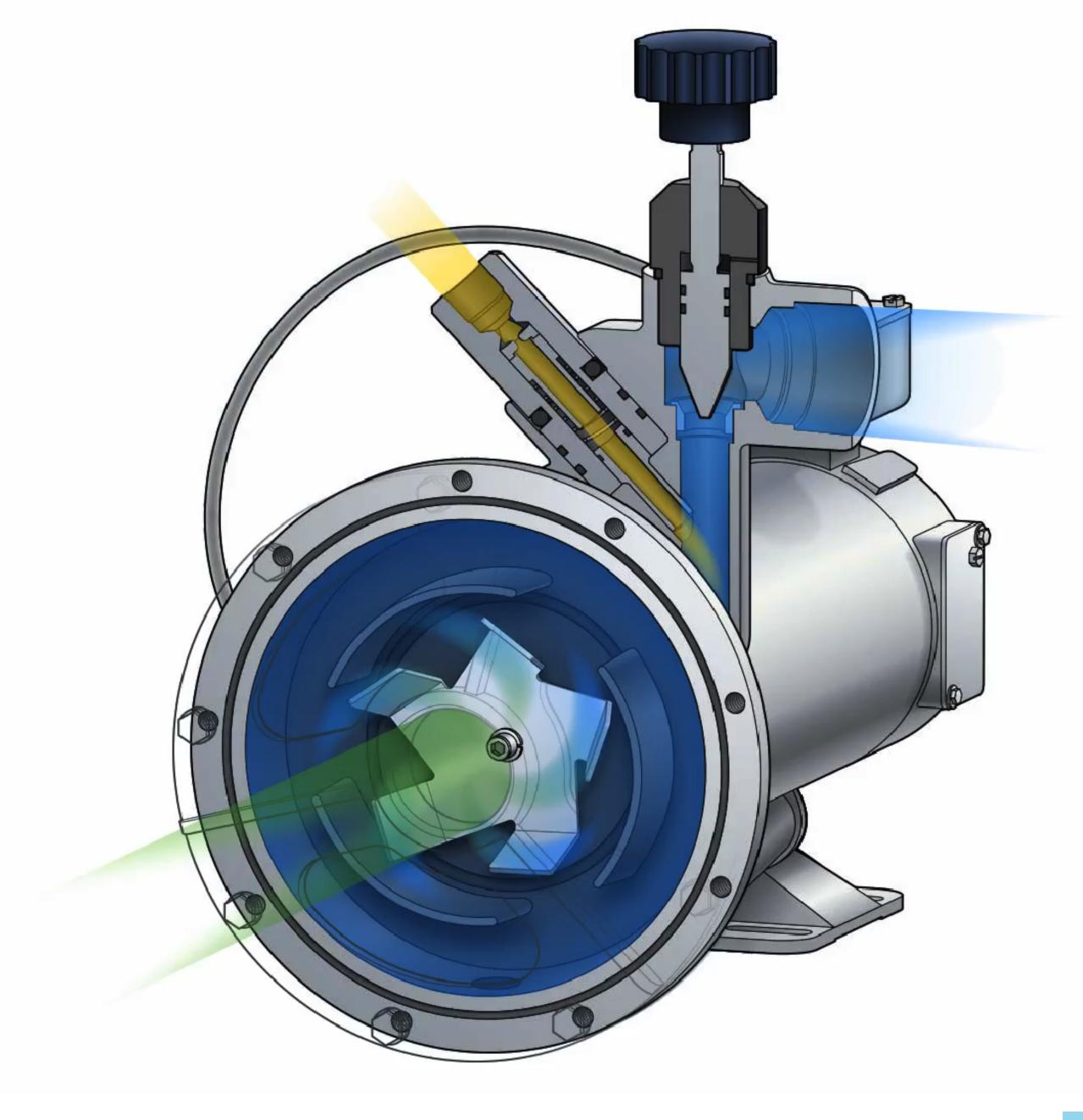
Proper solution depends on the type of polymer you use. Cationic polymers are typically prepared at solution concentrations between 0.25% to 0.5%. Anionic polymers are typically prepared between 0.1% and 0.25% solution. The solution can then be further diluted after the solution metering pumps through a secondary dilution system.

#### SUFFICIENT POLYMER AGING

The amount of aging time required to reach optimal performance depends on a number of factors including the type of polymer water temperature. It's not uncommon for systems to be designed with insufficient aging time. For optimum system flexibility, performance and with proper preparation as described above, it's recommended that cationic polymer systems provide 45 to 60 minutes of aging, and anionic polymer systems can deliver up to 120 minutes of aging.

#### **OPTIMIZING WET POLYMER >**



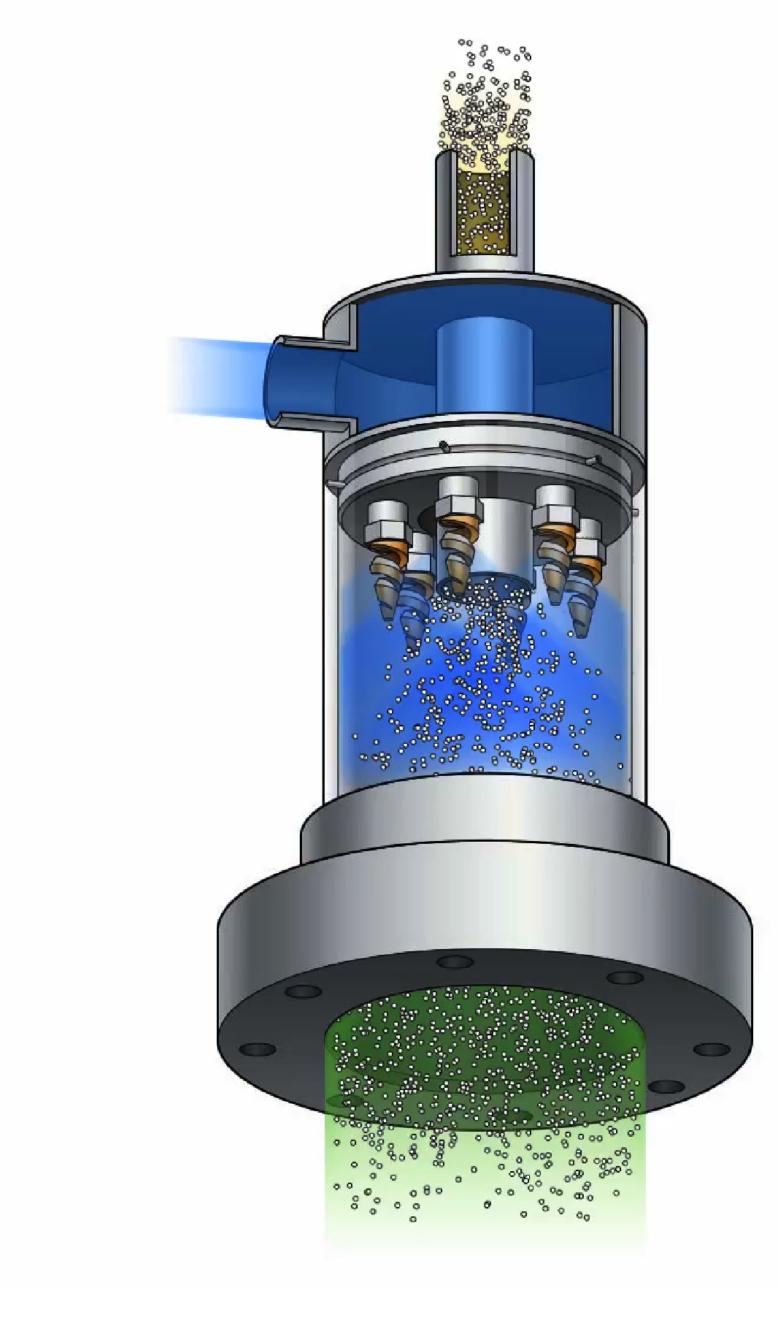




Having issues playing video? This video is best viewed using Adobe Reader and the latest version of Adobe Flash Player installed.

< BACK TO ACTIVATION CHAMBER







Having issues playing video? This video is best viewed using Adobe Reader and the latest version of Adobe Flash Player installed.

#### < BACK TO WETTING CHAMBER

