**PolyBlend® M Series Liquid Polymer Feed Systems**

PolyBlend® M Series is engineered for quick, easy installation and service and is built to last. The compact size of the feeder allows trouble-free installation in confined spaces, and the open-frame design facilitates easy component access. The M Series is engineered to handle developments, ultra-high molecular weights, different charge densities, and even totally new chemistries.

**PolyBlend® M-Lo System**

- **Polymer Output Range**: 100% to 80% (120 GPH to 240 GPH)
- **Resin Range**: 2 GPH to 24 GPH


Let us demonstrate the effectiveness of the PolyBlend® polymer mixing system with your existing or new application. We’re so sure you’ll be satisfied that we’ll bring the on-site trial to you for a side-by-side comparison at no charge.

Liquid PolyBlend® system demonstration units are also available.

**“The PolyBlend® OR600 Demo Trailer was very simple to use. I just set the settings and walked away; it was extremely user-friendly. The way it blends and the resulting polymer solution – and the reduction in polymer usage – made this an excellent unit.”**

*Brad Anderson, O&M Tech V, Fairfield-Suisun Sewer District, CA*

Parts and accessories available

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**PolyBlend® M Series Control Options**

<table>
<thead>
<tr>
<th>X Control</th>
<th>Y Control</th>
<th>Z Control</th>
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<tr>
<td>Level</td>
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**Seeing Is Believing**

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**PolyBlend® M System**

PolyBlend® M System


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**PolyBlend® M System Atria System**

PolyBlend® M System Atria System


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**PolyBlend® M Series Control Options**

- **X Control**
  - Level
  - High
  - Low
- **Y Control**
  - Flow
  - High
  - Low
- **Z Control**
  - Flow
  - High
  - Low


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**PolyBlend® M-Lo System**

PolyBlend® M-Lo System

PolyBlend® PB Series

At the center of the PolyBlend® PB Series polymer feed system is the unique multi-zone mixing technology, which provides maximum polymer activation. The unique mixing technology ensures dispersion energy at the onset of initial wetting, high energy to prevent agglomerations, and a low-energy zone to extend mixing and aging by applying the right energy at the right time. The low-energy zone continues to activate the hydrated polymer without destroying the fragile polymer chains. The result is maximum polymer activation and improved polymer performance.

The compact design of the PolyBlend® PB Series provides easy installation. The corrosion-resistant, stainless steel 

Low-Energy Mix Tank

From the disperser, the polymer solution flows into the mix tank. Most polymer mix tanks are non-uniform mixing energy tanks. As a result, polymer chains receive the least mixing energy while polymer chains are broken up at the tip of the rotating mixing blade. In contrast, the DP Series mix tank is specifically designed to be fully uniform mixing intensity. The rotating impeller is a “hollow cone,” the length of which is half the width of the tank. The hydraulic of the system make the impeller act like a piston, continuously moving the solution vertically as well as horizontally. Moreover, the DP Series tank is specifically designed to be fully uniform in its mixing energy.

To create the ideal environment for the first stage of dry polymer dissolution, crucial initial wetting occurs in the DD4 polymer disperser. The DP Series tank is specifically designed to be fully uniform mixing intensity. The rotating impeller is a “hollow cone,” the length of which is half the width of the tank. The hydraulic of the system make the impeller act like a piston, continuously moving the solution vertically as well as horizontally. Moreover, the DP Series tank is specifically designed to be fully uniform in its mixing energy.

The result is maximum polymer activation and improved polymer performance.

PolyBlend® DP Series - Designed for Superior Mixing

PolyBlend® DP Dry/Liquid Polymer Feed Systems

To provide a PolyBlend® PB100 demonstration unit at no charge and save our client 35% in polymer costs is very significant for our facility.

Carlos Cardoso, Water Pollution Control Manager, City of Dartmouth, MA

The PolyBlend® polymer activation systems have performed flawlessly since installation and have resulted in very significant polymer saving for our facility.

Ladd Ojala, Area Manager, Chemetall

We provided a PolyBlend® PB100 demonstration unit at no charge and saved our client 35% in polymer costs.

Tony Bietola, Plant Manager, Lou Romano Water Reclamation Plant

The PolyBlend® has been performing exceptionally well for Windsor, Ontario, for over two decades. With basic maintenance, we've needed very few parts over the years, and when you see the equipment, it is in excellent condition!

Carlos Cardoso, Water Pollution Control Manager, City of Dartmouth, MA

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Tony Bietola, Plant Manager, Lou Romano Water Reclamation Plant

The PolyBlend® DP110 is a lower cost option specifically designed to provide a basic mixing. Dry polymer and water are mixed in the vortex created by rotating tank impeller. The unique mixing process provides maximum polymer preparation and activation.

The PolyBlend® DP2000 consists of the DD4 dry polymer disperser, a fiberglass mixing tank, and a gravity-flushed stainless tank. The DP2000 is specifically designed to provide uniform mixing. Dry polymer and water are initially mixed in the DD4 polymer disperser and then entering the solution to the high-shear agitation via mechanical mixing. The high-shear agitation energy is over half the width of the tank. The hydraulics of the system make the impeller act like a piston, continuously moving the solution vertically as well as horizontally. Moreover, the DP Series tank is specifically designed to be fully uniform in its mixing energy.

The PolyBlend® DP800 is an integrated equipment package capable of automatically preparing a homogeneous polymer solution. The DP800 consists of the DD4 dry polymer disperser, a stainless steel mixing tank, and a gravity-flushed stainless tank.

The PolyBlend® DP500 is an integrated equipment package capable of automatically preparing a homogeneous polymer solution. The DP500 consists of the DD4 dry polymer disperser, a stainless steel mixing tank, and a gravity-flushed stainless tank.

The PolyBlend® DP110 is a lower cost option specifically designed to provide a basic mixing. Dry polymer and water are mixed in the vortex created by rotating tank impeller. The unique mixing process provides maximum polymer preparation and activation.

The PolyBlend® DP2000 consists of the DD4 dry polymer disperser, a fiberglass mixing tank, and a gravity-flushed stainless tank. The DP2000 is specifically designed to provide uniform mixing. Dry polymer and water are initially mixed in the DD4 polymer disperser and then entering the solution to the high-shear agitation via mechanical mixing. The high-shear agitation energy is over half the width of the tank. The hydraulics of the system make the impeller act like a piston, continuously moving the solution vertically as well as horizontally. Moreover, the DP Series tank is specifically designed to be fully uniform in its mixing energy.

The PolyBlend® DP800 is an integrated equipment package capable of automatically preparing a homogeneous polymer solution. The DP800 consists of the DD4 dry polymer disperser, a stainless steel mixing tank, and a gravity-flushed stainless tank.

The PolyBlend® DP500 is an integrated equipment package capable of automatically preparing a homogeneous polymer solution. The DP500 consists of the DD4 dry polymer disperser, a stainless steel mixing tank, and a gravity-flushed stainless tank.

The PolyBlend® DP110 is a lower cost option specifically designed to provide a basic mixing. Dry polymer and water are mixed in the vortex created by rotating tank impeller. The unique mixing process provides maximum polymer preparation and activation.

The PolyBlend® DP2000 consists of the DD4 dry polymer disperser, a fiberglass mixing tank, and a gravity-flushed stainless tank. The DP2000 is specifically designed to provide uniform mixing. Dry polymer and water are initially mixed in the DD4 polymer disperser and then entering the solution to the high-shear agitation via mechanical mixing. The high-shear agitation energy is over half the width of the tank. The hydraulics of the system make the impeller act like a piston, continuously moving the solution vertically as well as horizontally. Moreover, the DP Series tank is specifically designed to be fully uniform in its mixing energy.

The PolyBlend® DP800 is an integrated equipment package capable of automatically preparing a homogeneous polymer solution. The DP800 consists of the DD4 dry polymer disperser, a stainless steel mixing tank, and a gravity-flushed stainless tank.

The PolyBlend® DP500 is an integrated equipment package capable of automatically preparing a homogeneous polymer solution. The DP500 consists of the DD4 dry polymer disperser, a stainless steel mixing tank, and a gravity-flushed stainless tank.
The PolyBlend® M Series is engineered for quick, easy installation and service and is built to last. The compact size of the feeder allows trouble-free installation in confined spaces, and the open-frame design facilitates easy component access. The M Series is engineered to handle developments, ultra-high molecular weights, different charge densities, and even totally new chemistries.

PolyBlend® M Series

PolyBlend® M System

PolyBlend® M Series Control Options

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PolyBlend® M-Lo System


PolyBlend® M-Lo System


“The PolyBlend® DP800 Demo Trailer was very simple to use. I just set the settings and walked away. It was extremely user-friendly. The way it blends and the resulting polymer solution – and the reduction in polymer usage – made this an excellent unit.”

Brad Anderson, O&M Tech
Fairfield-Suisun Sewer District, CA

Parts and accessories available

PolyBlend® PB Series

The compact design of the PolyBlend® PB Series provides easy installation. The corrosion-resistant, stainless steel feed system houses the lightweight, portable system, allowing for easy mobility.

"We provided a PolyBlend® PP100 demonstration unit at no charge and saved our client 35% in polymer costs. We purchased the unit within a week of our free 30-day demo period."

Ladd Ojala, Area Manager, Chemetall

PolyBlend® DP Series - Designed for Superior Mixing

To create the ideal environment for the first stage of dry polymer dissolution, crucial initial wetting occurs in the DD4 dissolver mixer. The result is maximum polymer activation and performance improved.

The PolyBlend® DP Series consists of the DD4 dry polymer dispenser, a fiberglass mix tank, and a gravity-fed stainless steel hold tank. The DD4 dispenser is specifically designed to provide uniform mixing. Dry polymer and water are initially mixed in the DD4 dispenser, ensuring the solution reaches the high-shear agitator via the high-energy mix. The high-shear agitation prevents unwanted agglomerations.

Carlos Cardoso, Water Pollution Control Manager, City of Dartmouth, MA

"The PolyBlend® polymer activation systems have performed flawlessly since installation and continue to yield in very significant polymer savings for our facility."

The PolyBlend® DP Series is an integrated equipment package capable of automatically preparing a homogeneous polymer solution. The DP110 consists of the DD4 dry polymer dispenser, a stainless steel mix tank, and a gravity-fed stainless steel hold tank.

Tony Bietola, Plant Manager

Lou Romano Water Reclamation Plant

The PolyBlend® DP110 is a lower cost option specifically designed to provide a low mixing energy solution. Dry polymer and water are mixed in the vortex created by the rotating tank impeller. The unique mixing process provides maximum polymer preparation and activation.

Carlos Cardoso, Water Pollution Control Manager, City of Dartmouth, MA

"PolyBlend® has been performing exceptionally well for Windsor, Ontario, for over two decades. With basic maintenance, we've needed very few parts over the years, and when you see the equipment, it is in excellent condition!"

The PolyBlend® DP110 consists of the DD4 dry polymer dispenser, a stainless steel mix tank, and a gravity-fed stainless steel hold tank.

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The Real Science of Polymer Activation

Polymers vastly improve the operations of wastewater and water treatment plants by accelerating settling of particles and improving sludge dewatering. Polymers (emulsion and dry) require the application of different levels of energy at different times to get the optimal “uncoiling” of the polymer chains without damaging or shortening the polymer chain. High shear mixing is required to prevent dewatering. Polymers (emulsion and dry) require the application of different levels of energy at different times to get the optimal polymer performance.

Carlos Cardoso, Water Pollution Control Manager, City of Dartmouth, MA

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Ladd Ojala, Area Manager, Chemetall

“We provided a PolyBlend® PB100 demonstration unit at no charge and saved our client 35% in polymer costs.”

To create the ideal environment for the first stage of dry polymer dissolution, crucial initial wetting occurs in the DD4 disperser, a fibreglass mixer, and a gravity-fed fiberglass hold tank. The DD4 disperser is specifically designed to provide uniform mixing. Dry polymer and water are initially mixed in the DD4 disperser, exposing the solution to the high-shear agitation via mechanical mixing. The high-shear agitation ensures optimal mixing without destroying the fragile polymer chains. The result is maximum polymer activation and improved polymer performance.

PolyBlend® DP Series - Designed for Superior Mixing

At the center of the PolyBlend® PB Series polymer feed system is the unique multi-zone mixing tank that prevents unwanted agglomerations. Uniform dispersion energy at the moment of initial wetting. The high-energy mix prevents agglomerations and establishes the need for mechanical mixing and agitation to maintain the high-energy level at the right time. The low-energy zone continues to activate the hydrated polymer without destroying the fragile polymer chains. The result is maximum polymer activation and improved polymer performance.

The compact design of the PolyBlend® PB Series provides easy installation. The corrosion-resistant, stainless steel clad housing is lightweight, portable system, allowing for easy mobility. The PolyBlend® DP Series consists of the DD4 dry polymer disperser, a fiberglass mix tank, and a gravity-fed fiberglass hold tank. The PolyBlend® DP Series is an integrated equipment package capable of automatically preparing a homogeneous polymer solution.

PolyBlend® DP Dry/Liquid Polymer Feed Systems

The PolyBlend® DP110 is a lower cost option specifically designed to provide a basic mixing. Dry polymer and water are mixed in the vessels around this rotating tank impeller. The unique mixing process provides maximum polymer preparation and activation.

The PolyBlend® DP800 consists of the DD4 dry polymer disperser, a stainless steel mixer, and a gravity-fed fiberglass hold tank. The PolyBlend® DP800 consists of the DD4 dry polymer disperser, a stainless steel mixer, and a gravity-fed fiberglass hold tank.

The PolyBlend® DP2000 is an integrated equipment package capable of automatically preparing a homogeneous polymer solution.

The PolyBlend® DP2000 consists of the DD4 dry polymer disperser, a stainless steel mixer, and a gravity-fed fiberglass hold tank.
Let us demonstrate the effectiveness of the PolyBlend® polymer mixing system with your existing or new application. We’re so sure you’ll be satisfied that we’ll bring the on-site trial to you for a side-by-side comparison at no charge.

Liquid PolyBlend® system demonstration units are also available.

“The PolyBlend® DR800 Demo Trailer was very simple to use. I just set the settings and walked away. It was extremely user-friendly. The way it blends and the resulting polymer solution — and the reduction in polymer usage — made this an excellent unit.”

Brad Anderson, O&M Tech V
Fairfield-Suisun Sewer District, CA

PolyBlend® M Series

The PolyBlend® M Series is engineered for quick, easy installation and service and is built to last. The compact size of the feeder allows hassle-free installation in confined spaces, and the open-frame design facilitates easy component access. The M Series is engineered to handle developments, ultra-high molecular weights, different charge densities, and even totally new chemistries.

PolyBlend® M Series

PolyBlend® M System

PolyBlend® M Series Liquid Polymer Feed Systems

Seeing Is Believing


THE REAL SCIENCE OF POLYMER ACTIVATION


Parts and accessories available