Benefits of Premier™ Fluid Delivery Systems

**Sanitary Connections**
*Easy to Use and Clean*
Food-grade connections designed without a thread, allowing tool-free routine maintenance while preventing residue build-up

**In-Line T-Valves**
*Reduce Downtime for Routine Maintenance*
Valves allow for in-line flushing of system, granting more time for production instead of cleaning

**Modular Pump & Gear Reducer Design**
*Extend Lifespan of Production Equipment*
Pump and reducer mounted on a “C” channel, creating a smoother operation

**3-Way Manual Ball Valve**
*Eliminate Start-up Coating Defects*
Valve is designed to promote automatic fluid recirculation for the die, allowing an immediate start once the process pressure is reached

**In/Out Pressure Gauges**
*Lower Production Costs*
Gauges monitor pressure at the filter inlet and outlet, providing better control of the flow process

**Pressure Relief Safety Valve**
*Achieve Coating Consistency*
Valve controls the amount of pressure used in production, eliminating the potential for overloading the system

**Drip Pan with Drain Plug**
*Contain Fluid Overflow & Spills*
Integrated drip pan designed to collect excess fluid, promoting a clean and safe production environment

**Why choose a Premier™ Fluid Delivery System?**
*We make it easy!*

**Standard Cart & Tank Sizes**
Choose one of our standard models:
- Lab / Small Production Fluid Delivery System - designed for flow rates of 800mL/min or smaller
- Medium Production Fluid Delivery System - designed for flow rates of 0.5L/min to 6.0L/min
- Large Production Fluid Delivery System - designed for flow rates of 5.5L/min to 36L/min

**Custom Configurations**
Customize your system with our available options:
- Filter type - choose a cartridge style filter based on the fluid’s maximum particle size
- Pump type - choose from a micro pump, gear pump, lobe pump, progressive cavity pump, or diaphragm pump
- Tank - choose if you’d like to include a tank with your Premier™ Fluid Delivery System
Premier™ Fluid Delivery Systems

<table>
<thead>
<tr>
<th></th>
<th>Lab/Small Production Model</th>
<th>Medium Production Model</th>
<th>Large Production Model</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Flow Rate</strong></td>
<td>800mL/min or smaller</td>
<td>0.5L/min to 6.0L/min</td>
<td>5.5L/min to 36L/min</td>
</tr>
<tr>
<td><strong>Tank Size</strong></td>
<td>5 Gallon</td>
<td>25 Gallon, Cart Mounted</td>
<td>50 Gallon, Cart Mounted</td>
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<tr>
<td><strong>Cart Design</strong></td>
<td>High Top Cart</td>
<td>762mm x 1422mm (30”x56” Floor Cart</td>
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</tr>
<tr>
<td><strong>Filter Type</strong></td>
<td>Inline or “T” Style Filter</td>
<td>10” Cartridge Filter</td>
<td>20” Cartridge Filter</td>
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<tr>
<td><strong>3-Way Manual Ball Valve</strong></td>
<td>Included</td>
<td>Included</td>
<td>Included</td>
</tr>
<tr>
<td><strong>Pressure Gauge Location</strong></td>
<td>1 Gauge After Filter</td>
<td>1 Gauge Before and After Filter</td>
<td>1 Gauge Before and After Filter</td>
</tr>
<tr>
<td><strong>Pressure Relief Safety Valve</strong></td>
<td>Included</td>
<td>Included</td>
<td>Included</td>
</tr>
<tr>
<td><strong>Push Connect Fittings</strong></td>
<td>Size Range: 1/4” - 3/8” I.D.</td>
<td>19mm (3/4”) - 25.4mm (1”)</td>
<td>25mm (1”) - 38mm (1 1/2”)</td>
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<tr>
<td><strong>Variable Frequency Drive (VFD)</strong></td>
<td>Supplied (Not Wired)</td>
<td>Included (Not Wired)</td>
<td>Included (Not Wired)</td>
</tr>
</tbody>
</table>

**Pumps**
- **Micro-Pump**
  - 0.3mL/rev and 0.9mL/rev
- **Gear Pump**
  - 4300-01 (.0018gpm)
- **Progressive Cavity Pump**
  - FB31 SSV 3 SPA (.105gpm)
- **Lobe Pump**
  - U1 006 (.10gpm)
- **Diaphragm Pump (TPL)**
  - TPL1ME-018-6T6T-CVS
  - TPL2ME-032-6T6T-CVS
  - TPL2ME-040-6T6T-CVS
- **Diaphragm Pump (PL)**
  - PLSS-05-STST-CVS
  - PLSS-2-STST-CVS
  - PLZXD2-33-STST-CVX

**Fluid Delivery System Options**

- **In-line Flow Meters**
  - Precision flow control for improved coat weight uniformity

- **Fluid Tank Agitation**
  - For use with fluids with particles that need to stay in suspension

- **Temperature Control**
  - Maintain fluid property consistency in varying manufacturing environments

- **Explosion Proof Rating**
  - Meets governmental standards

- **Fully Automated System**
  - Controls fluid flow with sensor data from the system to allow accurate fluid metering with minimal input from the operator

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**Premier™ Fluid Delivery Systems**

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