

Premier™ Fluid Delivery Systems

Ensure superior performance when you partner with the field's leader in precision slot die equipment and specialists with extensive industry experience.

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



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	Lab/Small Production Model	Medium Production Model	Large Production Model
Flow Rate	800mL/min or smaller	0.5L/min to 6.0L/min	5.5L/min to 36L/min
Tank Size	5 Gallon	25 Gallon, Cart Mounted	50 Gallon, Cart Mounted
Cart Design	High Top Cart	762mm x 1422mm (30"x56") Floor Cart	762mm x 1422mm (30"x56") Floor Cart
Filter Type	Inline or "T" Style Filter	10" Cartridge Filter	20" Cartridge Filter
3-Way Manual Ball Valve	Included	Included	Included
Pressure Gauge Location	1 Gauge After Filter	1 Gauge Before and After Filter	1 Gauge Before and After Filter
Pressure Relief Safety Valve	Included	Included	Included
Push Connect Fittings	Size Range: 1/4" - 3/8" I.D.	19mm (3/4") - 25.4mm (1")	25mm (1") - 38mm (1 1/2")
Variable Frequency Drive (VFD)	Supplied (Not Wired)	Included (Not Wired)	Included (Not Wired)
Pumps			
Micro-Pump	0.3mL/rev and 0.9mL/rev	PC-15 (0.55gpm)	4400-30 (1.45gpm)
Gear Pump	4300-01 (.0018gpm)	FB2A SSV 3 SPA (.55gpm)	FB2C SSV 3 SPA (1.45gpm)
Progressive Cavity Pump	FB31 SSV 3 SPA (.105gpm)	<i>Not Applicable</i>	<i>Not Applicable</i>
Lobe Pump	U1 006 (.10gpm)	U1 006 (.55gpm)	U1 006 (1.45gpm)
Diaphragm Pump (TPL) <small>*Less pulsation & easier to clean than PL version</small>	TPL1ME-018-6T6T-CVS	TPL2ME-032-6T6T-CVS	TPL2ME-040-6T6T-CVS
Diaphragm Pump (PL)	PLSS-05-STST-CVS	PLSS-2-STST-CVS	PLXD2-33-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

