

PRE-ENGINEERED SYSTEMS (PES)

Optimized for Accurate Metering & Efficiency. Install Faster, Dose Smarter, Run Safer.

Pulsafeeder Pre-Engineered Systems provide accurate, repeatable chemical injection for a wide range of electronic metering applications, from pH adjustment and corrosion control to advanced sodium hypochlorite disinfection. Delivered as fully integrated, factory-tested packages, these systems simplify installation, eliminate field assembly, and ensure consistent dosing performance from startup.

Designed for safe, reliable operation, each system combines rugged, chemically compatible materials with all required feed system components in a standardized, ready-to-deploy solution. The integrated design reduces installation time, minimizes commissioning requirements, and helps optimize chemical utilization while maintaining precise process control.

Every system is hydrostatically tested to verify leak-free operation and consistent flow performance prior to shipment, providing confidence in long-term reliability.

Constructed on a durable high-density Polyethylene (HDPE) platform, Pulsafeeder Pre-Engineered Systems are available for Pulsatron®, Chem-Tech®, GreenLine®, and NextStep® metering pumps. Each package integrates dosing, containment, and control components into a compact, high-performance solution engineered to support efficient operation and reduce total installation costs.

FEATURES

- **Precision Metering Configurations**
 - Single or dual pump setups to meet specific dosing requirements.
 - Pulsatron®, Chem-Tech®, GreenLine®, and NextStep® pump compatible.
 - Floor or wall mount systems.
- **Integrated Fluid Management**
Pre-plumbed inlet and discharge assemblies support accurate, stable chemical delivery.
- **Built for Chemical Compatibility**
UV-stabilized HDPE frame and Schedule 80 PVC, CPVC, PVDF or 316SS piping for durability in harsh environments with aggressive chemistries.
- **Stable Flow = Better Results**
Pulsation dampeners, back pressure valves, and pressure relief valves to maintain consistent dosing rates.
- **Improved Accuracy & Control**
 - Suction-side Y-strainers prevent contamination.
 - Auto-fill calibration columns enable precise feed rate verification.
- **System Monitoring**
Pressure gauges with isolators provide real-time monitoring of dosing conditions.
- **Faster Installation = Faster Start-Up**
Fully assembled systems reduce installation time and ensure proper setup.
- **Electrical Integration Ready**
Input/Output Terminal Box included for streamlined connection and control integration.
- **Heavy Duty Construction**
1/2" rigid frame with drip containment and mounting points for secure installation.
- **Rapid Availability**
Standard systems ship within three weeks.



APPLICATIONS

- **Municipal Water:** Disinfection systems (Sodium Hypochlorite), pH Adjustment, Fluoride Addition
- **Municipal Wastewater:** Fume Scrubbers, Odor Control, pH Adjustment, Residual Disinfectant, Automotive
- **Food & Beverage:** Clean-In-Place, Clean-Off-Line, Sterilization Water Treatment, Metal Process, Process Chemical Dosing
- **Institutional:** Cooling Tower Water Treatment, Boiler Water Treatment, Closed Loop Systems, General Water Treatment

SELECTION GUIDE

Standard Flow: (up to 25 gph / 94 lph)*			PES			
System	1	= Single Pump				
	2S	= Dual Pump, Redundant Piping, Not Connected				
	2L	= Dual Pump, Lead/Backup, Single Pipe System				
	2C	= Dual Pump, Redundant Piping, Connected, Common S & D				
Pump Type	P	= Pulsatron, Chemtech, Next Step				
Pipe Size	5	= 0.5"				
Piping Material	PVC	= PVC				
	PVD	= PVDF				
	CPVC	= CPVC				
	316SS	= 316 Stainless Steel (Only with PTFE Elastomer)				
Nominal Elastomer	E	= EPDM				
	V	= Viton				
	T	= PTFE (Only with 316SS Piping)				
Options	SL	= Suction Lift/Wall Mount				
	VENT	= Vented Ball Valves (Only with Viton Elastomer)				
	PD	= Pulsation Dampener				

*Base model is flooded suction/floor mounted, unless "-SL" is selected for suction lift/wall mount

High Flow (up to 174 gph / 660 lph)			PES			
System	1	= Single Pump				
	2S	= Dual Pump, Redundant Piping, Not Connected				
	2L	= Dual Pump, Lead/Backup, Single Pipe System				
	2C	= Dual Pump, Redundant Piping, Connected, Common S & D				
Pump Type	G	= Greenline				
Pipe Size	1	= 1"				
Piping Material	PVC	= PVC				
	PVD	= PVDF				
	CPVC	= CPVC				
	316SS	= 316 Stainless Steel (Only with PTFE Elastomer)				
Nominal Elastomer	E	= EPDM				
	V	= Viton				
	T	= PTFE (Only with 316SS Piping)				
Options	VENT	= Vented Ball Valves (Only with Viton Elastomer)				
	PD	= Pulsation Dampener				

PRE-ENGINEERED SYSTEM FEATURES

System Part Number	No. of Pumps	Maximum Pressure	Nominal Thickness	Containment Lip	Nominal Pipe Size	Suction Inlet	Y-Strainer	Calibration Column	Pressure Gauge	Back Pressure Valve	Pressure Relief Valve	Interconnected Piping	Discharge Outlet	Height	Width	Depth	PVC Approx. Wt (No pumps)	CPVC Approx. Wt (No pumps)	PVDF Approx. Wt (No pumps)	316SS Approx. Wt (No pumps)
PES1-P-5	1	150 psi	1/2"	✓	1/2"	1	1	1	1	1	1		1	48"	27"	24"	55lbs.	60lbs.	70lbs.	80lbs.
PES1-P-5...-SL	1	150 psi	1/2"		1/2"	1	1	1	1	1	1		1	40"	38"	14"	50lbs.	55lbs.	65lbs.	70lbs.
PES1-G-1	1	150 psi	1/2"	✓	1"	1	1	1	1	1	1		1	48"	24"	24"	60lbs.	65lbs.	75lbs.	80lbs.
PES2S-P-5	2	150 psi	1/2"	✓	1/2"	2	2	2	2	2	2		2	46"	44"	30"	150lbs.	165lbs.	190lbs.	250lbs.
PES2S-P-5...-SL	2	150 psi	1/2"		1/2"	2	2	2	2	2	2		2	40"	69"	14"	100lbs.	110lbs.	125lbs.	140lbs.
PES2S-G-1	2	150 psi	1/2"	✓	1"	2	2	2	2	2	2		2	60"	48"	30"	190lbs.	210lbs.	235lbs.	270lbs.
PES2L-P-5	2	150 psi	1/2"	✓	1/2"	1	1	1	1	1	1	✓	1	46"	44"	24"	140lbs.	155lbs.	175lbs.	200lbs.
PES2L-P-5...-SL	2	150 psi	1/2"		1/2"	1	1	1	1	1	1	✓	1	46"	54"	14"	80lbs.	90lbs.	100lbs.	110lbs.
PES2L-G-1	2	150 psi	1/2"	✓	1"	1	1	1	1	1	1	✓	1	46"	44"	30"	150lbs.	165lbs.	185lbs.	200lbs.
PES2C-P-5	2	150 psi	1/2"	✓	1/2"	1	2	2	2	2	2	✓	1	60"	40"	30"	140lbs.	155lbs.	175lbs.	200lbs.
PES2C-P-5...-SL	2	150 psi	1/2"		1/2"	1	2	2	2	2	2	✓	1	46"	60"	14"	90lbs.	100lbs.	115lbs.	125lbs.
PES2C-G-1	2	150 psi	1/2"	✓	1"	1	2	2	2	2	2	✓	1	60"	48"	30"	150lbs.	165lbs.	185lbs.	200lbs.



PULSAFEEDER®



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