

# Systems

Pre-Engineered Solutions  
for Electronic Metering Pumps



## Turn-Key Packages for Metering Applications

Pulsafeeder's Pre-Engineered Systems are designed to provide complete chemical feed solutions for all electronic metering applications. From standalone simplex pH control applications to full-featured, redundant sodium hypochlorite disinfection metering, these rugged fabricated assemblies offer turn-key simplicity and industrial-grade durability.

The UV-stabilized, high-grade HDPE frame offers maximum chemical compatibility and structural rigidity. Standard floor mount systems and wall mount systems are available.

Each system is factory assembled and hydrostatically tested prior to shipment.

### Key Features

**Pre-Configured System:** Rigid, unitized frame with pre-plumbed piping assemblies

**Easy to Install and Operate:** Turn-key system with single input and discharge

**Quick Delivery:** Standard, full feature systems available within 2 weeks of order!

**Designed for harsh environments:** Rigid, 1/2" high-density (HDPE) polyethylene fabricated frame is strong, UV-stabilized and chemically inert.

**Mounting flexibility:** The rigid 1/2" frame incorporates both mounting holes for floor and wall mounting configurations.



### Applications

**Municipal Water:** Disinfection systems with Sodium Hypochlorite, pH Adjustment, Fluoride addition.

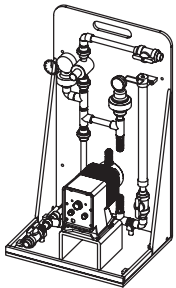
**Municipal Wastewater:** Fume Scrubbers, General Odor Control, pH adjustment, Residual Disinfectant Management

**Food & Beverage:** Clean-In-Place, Clean-Off-Line, Sterilizer Water Treatment

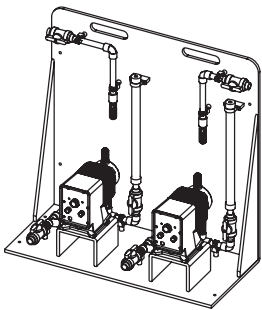
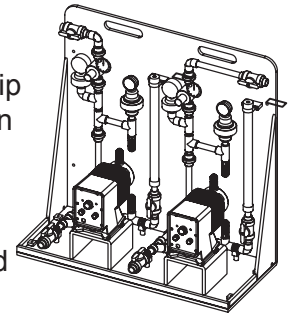
**Institutional:** Cooling Tower Water Treatment, Boiler Water Treatment, Closed Loop Systems.

# Pre-Engineered Systems Model Selection

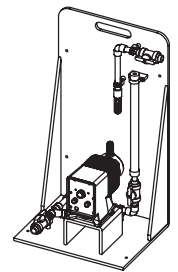
Pre-Engineered Systems Selection Guide		PES			
<b>PRODUCT DESIGNATOR</b> <small>Position 1, 2 &amp; 3</small>	PES = Pre-Engineered System				
<b>No. OF PUMPS</b> <small>Position 4</small>	1	= Single Pump (Pump to be Ordered Separately)			
	2	= Dual Pumps (Pumps to be Ordered Separately)			
<b>SYSTEM TYPE</b> <small>Position 5</small>	S	= Standard System, refer to Feature Table for details			
	A	= Standard System, Lead/Standby Arrangement (Dual Pump Systems Only)			
	B	= Basic System, refer to Feature Table for details			
<b>NOMINAL ELASTOMER</b> <small>Position 6</small>	V	= Viton Elastomers for components			
	E	= EPDM Elastomers for components			



**Standard Systems** for Pulsatron metering pumps. A compact, rugged High Density Polyethylene frame provides structure for a single or dual metering pumps and inlet and discharge piping assemblies with full 1" drip rim perimeter. The piping assemblies utilize Schedule 80 piping, isolation ball valves and unions throughout. The inlet piping assembly includes a clear PVC Y-strainer and calibration column for easy maintenance and measurement. The discharge piping assemblies incorporate pulsation dampeners, pressure gauge with isolator and discrete back pressure and pressure-relief valves.



**Basic Systems** Utilizing the same durable frame as the Standard Systems (but without the drip rim), providing structure for single or dual metering pumps with multi-function valves (ordered with pump). The Schedule 80 inlet piping assembly includes a clear PVC Y-strainer and calibration column for easy maintenance and measurement. The simplified Schedule 80 discharge piping assembly is rigidly mounted to the frame and includes an isolation valve.



	No. of Pumps	Nominal Thickness	Containment Lip	Nominal Pipe Size	Inlet Valve	Y-Strainer	Calibration Column	Pulsation Dampener	Pressure Gauge	Back Pressure Valve	Pressure Relief Valve	Interconnected Piping	Discharge Valve	Height	Width	Depth	Approx. Weight (No Pumps)
PES1S-V or PES1S-E	1	1/2"	✓	1/2"	✓	✓	✓	✓	✓	✓	✓	✓	✓	36"	20"	16"	32 lbs
PES2S-V or PES1S-E	2	1/2"	✓	1/2"	✓	✓	✓	✓	✓	✓	✓	✓	✓	36"	36"	16"	62 lbs
PES2A-V or PES1A-E	2	1/2"	✓	1/2"	✓	✓	✓	✓	✓	✓	✓	✓	✓	36"	36"	16"	65 lbs
PES1B-V or PES1B-E	1	1/2"		1/2"	✓	✓	✓	✓	✓	✓	✓	✓	✓	36"	20"	16"	28 lbs
PES2B-V or PES2B-E	2	1/2"		1/2"	✓	✓	✓	✓	✓	✓	✓	✓	✓	36"	36"	16"	54 lbs



An ISO Certified Company



A Unit of IDEX Corporation



PES-001 K07

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