

Pulsafeeder's Pre-Engineered Systems are designed to provide complete chemical feed solutions for all electronic metering applications. From stand alone 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.

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

**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 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.

**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 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.

**Standard floor mount systems and wall mount systems are available**

## Features

- **Pre-Configured System:** Rigid, unitized frame with pre-plumbed piping assemblies; schedule 80 PVC standard, other materials are available.
- **Easy to Install and Operate:** Turn-key system with single or multiple input and discharge connections; conduit box electrical connections are optional.
- **Mounting flexibility:** The rigid 1/2" frame incorporates both mounting holes for floor and wall mounting configurations. Three pump skids come with raised base and fork lift pockets.
- **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.

## Applications

- **Municipal Water:** Disinfection systems with Sodium Hypochlorite, pH Adjustment, Fluoride addition.
- **Municipal Wastewater:** Fume Scrubbers, General Odor Control, pH adjustment, Residual Disinfectant Mgmt
- **Food & Beverage:** Clean-In-Place, Clean-Off-Line, Sterilizer Water Treatment.
- **Institutional:** Cooling Tower Water Treatment, Boiler Water Treatment, Closed Loop Systems.



## Aftermarket

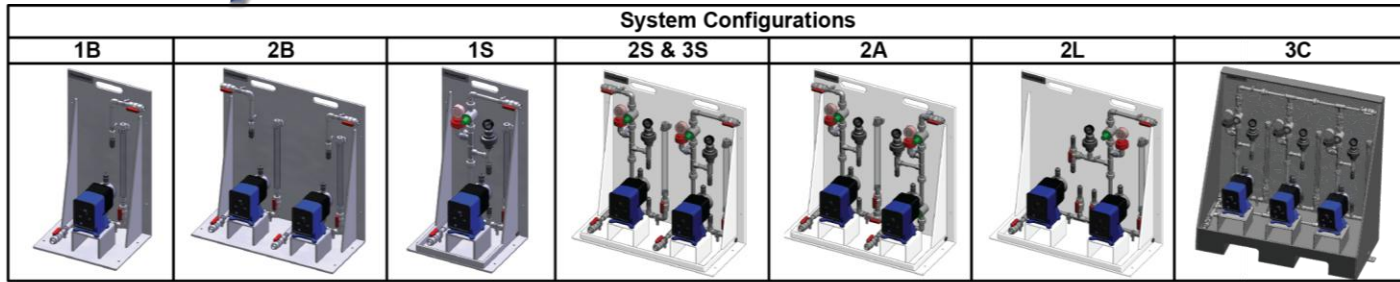
- Double Wall Containment Tanks from 15 to 500 gallons.
- 1, 2, or 4 Drum Spill Containment Pallets.
- Loading Ramp and Pallet with or without Cover.



**Pre-Engineered  
Systems**

# Pre-Engineered Systems

## Specifications and Model Selection



Pre-Engineered Systems Selection Guide					PES				
<b>SYSTEM</b> Position 4 & 5					1B = Single Pump, Basic System 2B = Dual Pump, Basic System 1S = Single Pump, Standard System 2S = Dual Pump, Redundant Piping, Not Connected 2C = Dual Pump, Redundant Piping, Connected, Common S & D 2A = Dual Pump, Redundant Piping w / 3 Way Select 2L = Dual Pump, Lead/Backup, Single Pipe System 3S = Three Pump, Redundant Piping, Not Connected 3C = Three Pump, Redundant Piping, Connected, Common S & D				
<b>NOMINAL ELASTOMER</b> Position 6					V = Viton Elastomers for components E = EPDM Elastomers for components				
<b>AVAILABLE OPTIONS</b> Position 7 thru 12 as needed					HF = High Flow, Required for H7, J7, K7 & H8 Pumps 607 = Conduit Box for Power & Signal (ADDER PER PUMP) LP = Less Pump, Undrilled Base CP = Competitive Pump, Mounted At Factory (ADDER PER PUMP)				
Single Pump PES1B, PES1S	Dual Pump PES2B, PES2A PES2S	Lead / Backup PES2L	Triple Pump PES3S, PES3C	Prices in This Table Are Adders per System, Not Per Pump.  All Prices Are Added To The Base 'SYSTEM' Price.  CF = PVC - Auto Fill Calibration Column C = CPVC Piping CC = CPVC-Auto Fill Calibration Column K = Kynar Piping KC = Kynar - Auto Fill Calibration Column S = 316SS Piping SC = 316SS - Auto Fill Calibration Column SL = Suction Lift					
	NA								
	NA								
	NA								
	NA								

Note: Pump Selection and pricing is in addition to Pre-Engineered Systems Selection

### Pre-Engineered System Features

System Part Number	No. of Pumps	Maximum Pressure	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	3 Way Pump Select Valve	Height	Width	Depth	Approx. Wt (no Pumps & Plastic Pipe)	Approx. Wt (no Pumps & SS Pipe)
PES1B	1	150 psi	1/2"		1/2"	1	1	1					1			36"	20"	16"	28 lbs	33 lbs
PES2B	2	150 psi	1/2"		1/2"	2	2	2					2			36"	36"	16"	54 lbs	62 lbs
PES1S	1	150 psi	1/2"	✓	1/2"	1	1	1	1	1	1	1	1			36"	20"	16"	32 lbs	38 lbs
PES2S	2	150 psi	1/2"	✓	1/2"	2	2	2	2	2	2	2	2			36"	36"	16"	62 lbs	70 lbs
PES3S	3	150 psi	1/2"	✓	1/2"	3	3	3	3	3	3	3	3			42"	46"	21.5"	100 lbs	112 lbs
PES2C	2	150 psi	1/2"	✓	1/2"	1	1	2	2	2	2	2	✓	1		36"	36"	16"	62 lbs	70 lbs
PES3C	3	150 psi	1/2"	✓	1/2"	1	1	3	3	3	3	3	✓	1		42"	46"	21.5"	100 lbs	112 lbs
PES2A	2	150 psi	1/2"	✓	1/2"	2	2	2	2	2	2	2	✓	2	1	36"	36"	16"	65 lbs	72 lbs
PES2L	2	150 psi	1/2"	✓	1/2"	1	1	1	1	1	1	✓	2			36"	36"	16"	65 lbs	72 lbs

\* Note: Calibration column size is 200mL on standard sv stems and 1000mL on HF sv stems.

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