

PULSAFEEDER®

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.

Pre-Engineered Systems for PULSAtron metering pumps include a compact, rugged High Density Polyethylene frame providing 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.

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 Selection Guide

PES

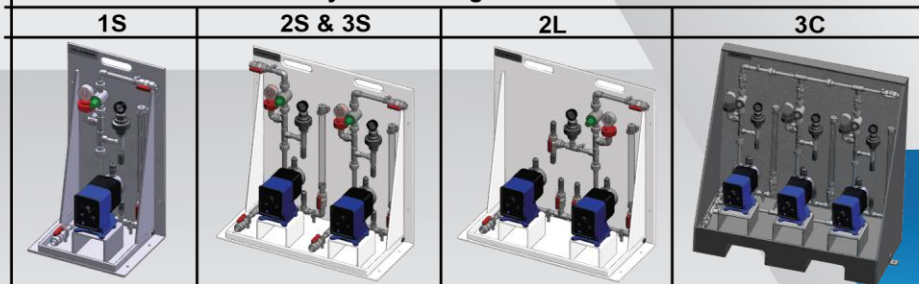
SYSTEM Position 4 & 5	1S	= Single Pump, Standard System
	2S	= Dual Pump, Redundant Piping, Not Connected
	2C	= Dual Pump, Redundant Piping, Connected, Common S & D
	2L	= Dual Pump, Lead/Backup, Single Pipe System
	3S	= Three Pump, Redundant Piping, Not Connected
	3C	= Three Pump, Redundant Piping, Connected, Common S & D

NOMINAL ELASTOMER Position 6	V	= Viton Elastomers for components
	E	= EPDM Elastomers for components

AVAILABLE OPTIONS Position 7 thru 12 as needed	HF	= High Flow, Required for H7, J7, K7 & H8 Pumps
	CF	= PVC - Auto Fill Calibration Column
	KCF	= Kynar - Auto Fill Calibration Column

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

System Configurations



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)
PES1S	1	150 psi	1/2"	✓	1/2"	1	1	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	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	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	1	36"	36"	16"	62 lbs	70 lbs
PES3C	3	150 psi	1/2"	✓	1/2"	1	1	3	3	3	3	3	✓	1	1	42"	46"	21.5"	100 lbs	112 lbs
PES2L	2	150 psi	1/2"	✓	1/2"	1	1	1	1	1	1	1	✓	2	2	36"	36"	16"	65 lbs	72 lbs

* Note: Calibration column size is 200mL on standard systems and 1000mL on HF systems.

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PULSAFEEDER

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An ISO 9001 Certified Company

PES001 K15

IPEX
FLUID & METERING

PULSAFEEDER®

Pulsafeeder's Pre-Engineered Systems are designed to provide complete chemical feed solutions for a wide range of metering applications. From stand alone pH control applications to full-featured, sodium hypochlorite disinfection metering. These rugged fabricated assemblies offer installation 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.

Pre-Engineered Systems for BLACKLINE metering pumps include single or dual metering pump configurations with inlet and discharge piping assemblies available in both 1/2" and 1" sizes. The piping assemblies utilize Schedule 80 PVC or UHP PVDF piping. Every system includes ball valves and unions throughout, suction side Y-strainers and calibration columns. The discharge piping assemblies incorporate pulsation dampeners, pressure gauges with isolators, and discrete back pressure and pressure-relief valves.

Features

- **Pre-Configured System:** Rigid frame with pre-plumbed piping assemblies; schedule 80 PVC or UHP PVDF piping.
- **Easy to Install and Operate:** All of the most common metering pump accessories are included.
- **Mounting flexibility:** The rigid 1/2" frame incorporates mounting holes and brackets for anchoring to the floor.
- **Quick Delivery:** Available within 2 weeks of order!

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.




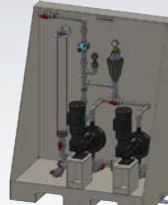
Aftermarket

- 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

Single Pump, Standard System			
Model Number	Nominal Elastomer for Components	Piping	Description
PES1S-VBLA	Viton	PVC ½"	Flow up to 35 gph
PES1S-VKBLA	Viton	PVDF ½"	Flow up to 35 gph
PES1S-EBLA	EPDM	PVC ½"	Flow up to 35 gph
PES1S-VBLHF	Viton	PVC 1"	High Flow, up to 132 gph
PES1S-VKBLHF	Viton	PVDF 1"	High Flow, up to 132 gph
PES1S-EBLHF	EPDM	PVC 1"	High Flow up to 132 gph
Dual Pump, Redundant Piping, Not Connected			
Model Number	Nominal Elastomer for Components	Description	Description
PES2S-VBLA	Viton	PVC ½"	Flow up to 35 gph
PES2S-VKBLA	Viton	PVDF ½"	Flow up to 35 gph
PES2S-EBLA	EPDM	PVC ½"	Flow up to 35 gph
PES2S-VBLHF	Viton	PVC 1"	High Flow, up to 132 gph
PES2S-VKBLHF	Viton	PVDF 1"	High Flow up to 132 gph
PES2S-EBLHF	EPDM	PVC 1"	High Flow up to 132 gph
Dual Pump, Lead/Backup, Single Pipe System			
Model Number	Nominal Elastomer for Components	Description	Description
PES2L-VBLA	Viton	PVC ½"	Flow up to 35 gph
PES2L-VKBLA	Viton	PVDF ½"	Flow up to 35 gph
PES2L-EBLA	EPDM	PVC ½"	Flow up to 35 gph
PES2L-VBLHF	Viton	PVC 1"	High Flow, up to 132 gph
PES2L-VKBLHF	Viton	PVDF 1"	High Flow, up to 132 gph
PES2L-EBLHF	EPDM	PVC 1"	High Flow up to 132 gph

System Configurations		
1S	2S	2L
		

Pre-Engineered Systems Features

System Part Number	Nominal Pipe Size	Pump Mounts	Maximum Pressure	Containment Lip	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 inch	Width inch	Depth inch	Approx. Wt in lbs. (no Pumps)
PES1S	1/2"	1	150 psi	✓	1	1	1	1	1	1	1		1		47	21	24	79
PES2S	1/2"	2	150 psi	✓	2	2	2	2	2	2	2		2		47	42	24	128
PES2L	1/2"	2	150 psi	✓	1	1	1	1	1	1	1	✓	2	✓	47	42	24	111
PES1S	1"	1	150 psi	✓	1	1	1	1	1	1	1		1		63	25	29	127
PES2S	1"	2	150 psi	✓	2	2	2	2	2	2	2		2		63	49	29	210
PES2L	1"	2	150 psi	✓	1	1	1	1	1	1	1	✓	2	✓	63	49	29	179

* Note: Calibration column size is 1000mL on standard systems and 4000mL on HF systems.

