

BLACKLINE PRE-ENGINEERED SYSTEMS

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.

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

Pre-Engineered Systems for Blackline metering pumps include single, or dual metering pumps and inlet and discharge piping assemblies in both 1/2" or 1" sizes.



Non standard system shown.
Custom systems are available upon request.

FEATURES

- Single, or dual metering pump configurations
- Includes inlet and discharge piping assemblies
- UV-stabilized, high grade HDPP frame offers maximum chemical compatibility and structural rigidity
- Schedule 80 PVC, CPVC, or UHP PVDF piping available
- Easy to install and operate
- All of the most common metering pump accessories are included
 - ◊ Ball valves and unions throughout
 - ◊ Suction side: Y-strainers and calibration columns
 - ◊ Discharge side: pulsation dampeners, pressure gauges with isolators, and discrete back pressure and pressure-relief valves
 - ◊ Conduit box for electrical connections
- Available within two weeks of order
- The rigid 1/2" frame incorporates mounting holes and brackets for anchoring to the floor

APPLICATIONS

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

MODELS

Single Pump, Standard System For Blackline Pump

Model Number	Description	Nominal Elastomer for Components	Piping
PES1S-VBLA	Flow up to 35 gph	Viton	PVC 1/2"
PES1S-VCBLA		Viton	CPVC 1/2"
PES1S-VKBLA		Viton	PVDF 1/2"
PES1S-EBLA		EPDM	PVC 1/2"
PES1S-ECBLA		EPDM	CPVC 1/2"
PES1S-VBLHF	High Flow, up to 132 gph	Viton	PVC 1"
PES1S-VCBLHF		Viton	CPVC 1"
PES1S-VKBLHF		Viton	PVDF 1"
PES1S-EBLHF		EPDM	PVC 1"
PES1S-ECBLHF		EPDM	CPVC 1"

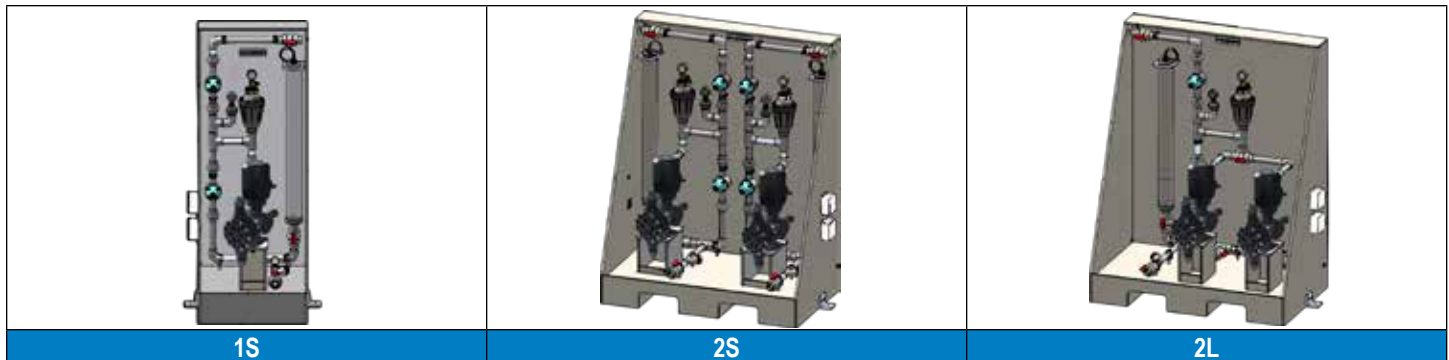
Dual Pump, Redundant Piping, Not Connected For Blackline Pumps

Model Number	Description	Nominal Elastomer for Components	Piping
PES2S-VBLA	Flow up to 35 gph	Viton	PVC 1/2"
PES2S-VCBLA		Viton	CPVC 1/2"
PES2S-VKBLA		Viton	PVDF 1/2"
PES2S-EBLA		EPDM	PVC 1/2"
PES2S-ECBLA		EPDM	CPVC 1/2"
PES2S-VBLHF	High Flow, up to 132 gph	Viton	PVC 1"
PES2S-VCBLHF		Viton	CPVC 1"
PES2S-VKBLHF		Viton	PVDF 1"
PES2S-EBLHF		EPDM	PVC 1"
PES2S-ECBLHF		EPDM	CPVC 1"

Dual Pump, Lead/Backup, Single Pipe System For Blackline Pumps

Model Number	Description	Nominal Elastomer for Components	Piping
PES2L-VBLA	Flow up to 35 gph	Viton	PVC 1/2"
PES2L-VCBLA		Viton	CPVC 1/2"
PES2L-VKBLA		Viton	PVDF 1/2"
PES2L-EBLA		EPDM	PVC 1/2"
PES2L-ECBLA		EPDM	CPVC 1/2"
PES2L-VBLHF	High Flow, up to 132 gph	Viton	PVC 1"
PES2L-VCBLHF		Viton	CPVC 1"
PES2L-VKBLHF		Viton	PVDF 1"
PES2L-EBLHF		EPDM	PVC 1"
PES2L-ECBLHF		EPDM	CPVC 1"

SYSTEM CONFIGURATIONS



PRE-ENGINEERED SYSTEM FEATURES

System Part Number	Nominal Pipe Size	Pump Mounts	Maximum Piping 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		46.75"	21.25"	24"	79 lbs
PES2S	1/2"	2	150 PSI	√	2	2	2	2	2	2	2		2		48.5"	42.25"	27"	128 lbs
PES2L	1/2"	2	150 PSI	√	1	1	1	1	1	1	1	√	2	√	48.5"	42.25"	27"	111 lbs
PES1S	1"	1	150 PSI	√	1	1	1	1	1	1	1		1		62.5"	29"	24.5"	127 lbs
PES2S	1"	2	150 PSI	√	2	2	2	2	2	2	2		2		62.5"	49"	29"	210 lbs
PES2L	1"	2	150 PSI	√	1	1	1	1	1	1	1	√	2	√	62.5"	49"	29"	179 lbs

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



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