

WE OFFER

- Standard Chemical Feed Systems
- Controls / Controllers
- Metering Pumps
- Custom Engineered Systems
- On-Site Oxidant Generation
- Polymer Feed Systems
- Chemical Storage & Accessories
- Booster Skids
- Performance Monitoring Tools
- Transfer Pumps
- Level Monitoring
- Web Based Remote Monitoring
- Instrumentation
- Flow Measurement
- Innovative Accessories

SPECIALIZED SERVICES

- System Installations
- Start Up & Commissioning
- Contract Maintenance
- Emergency Repairs
- Plant Audits / System Surveys
- Pump/ Accessory Repairs
- Equipment Pool Management
- Equipment Rentals
- Controller Maintenance & Repair

MARKETS SERVED

- Industrial
- Municipal
- Commercial
- Recreational

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Duplex Pump Skid - EW1800



- Flexible Dual Pump Configuration
- 0.6-6.3 GPH Outputs
- Integrated Control Box
- Remote Start / Stop Capability
- On-board GFI Pump Receptacle
- External Back Pressure Valve
- Calibration Assembly
- On-Board Strainer
- Bleed & Flushing Ports
- CPVC Fittings & Piping
- Pressure Gauge
- NPT Connections
- Automatic Switchover Option
- Feed Verification Option
- Simple To Use - Proven Reliability
- Economical
- Plug N' Play Installation
- Two Year Warranty

Feed Accuracy - Powered by the Walchem E-Class 360 Stroke-Per-Minute technology, the EW has an incredible adjustment range of 1800:1, ensuring precise feed control for any application.

Easy Draw-Down Calibration - In the calibration mode the user only needs to start and stop the pump, enter the draw-down volume and the pump calibrates volume-per-stroke.

Quick-Prime - Hold 2 keys down and pump runs at 100% of speed to prime quickly without adjusting application settings.

Pulse Output - The EW pump is capable of sending a pulse out synchronous with pump operation.

Stop Input/Output - A stop input contact will stop the pump operation and close a stop output contact for alarm or remote notification. A red light visibly indicates a stopped condition.

Pre-Stop Input - Orange light that gives warning, but pump continues to operate.

Keypad Lock-Out - Keypad functions can be locked out providing feed security, programming integrity and protection from unwanted adjustments.

Analog Input Control - Fixed or scalable 4-20mA input control. Pulse Input Control - Pulse input with multiply and divide features (1-9999). 12VDC output power supply for Hall Effect water meters.

Flow Display and Totalization Option - After calibration the EW will totalize the volume feed and display the flow rate. As long as stroke length is constant the pump will accurately totalize all feed. In cases where the pump is being controlled external with a pulse the pump will display and count down remaining flow based on the pulse input.

Feed Verification Option- The EW is equipped with 3 pre-programmed modes for accepting our Posiflow Feed Verification Sensor.

The Posiflow provides a pulse feedback to the pump to verify prime and proper feed. Depending on the mode, the user can program to pump to stop, continue operating and/or send an alarm based on the Posiflow input.





Duplex Pump Skid - EW1800

To build your system, identify the desired pump size and add that number to EW1800. For example, a desired output of 0.6 GPH would be a EW1800-0.6. Then select the appropriate liquid end material and add that designation after the pump size. Example, EW1800-0.6-VC for PVC.

EW1800 — -

Pump Size Selection

Pump Size	Output Capacity		Max Output per stroke (ml) (Fixed)	Max Pressure		Connection Size Tubing O.D.
	Gal/hr	ml/min		PSI	MPa	in
B11	0.6	38	0.11	150	1.0	3/8
B16	1.0	65	0.18	105	0.7	3/8
B21	1.5	95	0.26	60	0.4	3/8
B31	3.2	200	0.56	30	0.2	½
C16	1.3	80	0.22	150	1.0	3/8
C21	2.0	130	0.36	105	0.7	3/8
C31	4.3	270	0.75	50	0.35	½
C36	6.3	400	1.17	30	0.2	½

Liquid End Options

Liquid End	Pump Head & Fittings	Diaphragm	Valve Balls	Valve Seat	Valve Seals	Gasket	Tubing
FC	PVDF	PTFE bond- ed to EPDM	CE	PCTFE	PTFE	PTFE	PE
PC	GFRPP		CE	FKM	FKM		
PE	GFRPP		CE	EPDM	EPDM		
VC	PVC		CE	FKM	FKM		
VE	PVC		CE	EPDM	EPDM		
TC	PVDF		CE	FKM	FKM		

CE Alumina ceramic

FKM Fluoroelastomer

PCTFE Polychlorotrifluoroethylene

PTFE Polytetrafluoroethylene

PVDF Polyvinylidene fluoride

EPDM Ethylene propylene diene monomer

GFRPP Glass fiber reinforced polypropylene

PE Polyethylene

PVC Polyvinylchloride (translucent)

Notes: Contact us for Automatic Switchover and Feed Verification Options.

General Arrangement, Electrical and P & I Drawings Available Upon Request