

OVERVIEW

Walchem is a leading manufacturer of metering pumps and analytical controllers for a wide variety of water treatment applications. To complete your system, Walchem provides high quality accessories that are required for cooling tower, boiler, potable water, and wastewater applications. All of Walchem's accessories are carefully designed and selected for compatibility with our pumps and controllers to enable our customers to provide a complete system solution.

SUMMARY OF KEY BENEFITS

- » Point level sensors to monitor tank levels
- » PosiFlow sensors to verify metering pump performance
- » Wall mounting brackets for metering pumps
- » Polyethylene storage tanks
- » Multi-function/Tri-purpose valves to provide anti-syphon, back pressure and pressure relief for metering pumps
- » Paddlewheel/Multi-jet in-line flowmeters for proportional chemical feed
- » Calibration columns to verify metering pump output
- » Solenoid valves for cooling tower and boiler applications



PosiFlow Sensor

The PosiFlow sensor verifies that your metering pump is pumping and has not lost prime or had the discharge line cut. There are no moving parts in the sensor, which ensures long life and eliminates concerns of plugging or leaking. Available for 10, 15 and 20 sizes of E-class pumps.

- FCP-1VC PosiFlow Sensor, VC
- FCP-1VE PosiFlow Sensor, VE
- FCP-1PC PosiFlow Sensor, PC
- FCP-1PE PosiFlow Sensor, PE

Multi-Function Valves

Walchem's Multi-function valves provide back pressure and anti-syphon protection in addition to standard venting functions for your 10, 15 and 20 size E Series metering pumps. These valves will prevent syphoning when pumping downhill and will increase accuracy and repeatability in applications with little or no system pressure.

- E90362 Multi-functionValve, 3/8"OD x 1/4"ID Tubing, VC
- E90363 Multi-functionValve, 3/8"OD x 1/4"ID Tubing, VE
- E90364 Multi-functionValve, 3/8"OD x 1/4"ID Tubing, PC
- E90365 Multi-functionValve, 3/8"OD x 1/4"ID Tubing, PE



Anti-Syphon/Back Pressure and Pressure Relief Valves

These rugged valves are constructed from machined components to ensure long life and reliability. The spring loaded PTFE faced diaphragms provide positive discharge pressure to stabilize pump output and prevent syphoning. All valves are screw adjustable from 0 to 150 psi. These valves are ideal for LK and E Series metering pumps.

- E90420 Valve, BP/AS, 1/2" PVDF
- E90421 Valve, BP/AS, 1/2" SS
- E90491 Valve, BP/AS, 1/2" PVC
- E90492 Valve, BP/AS, 1/2" PP
- E90493 Valve, BP/AS, 1/2" PVC w/Priming Port
- E90422 Valve, BP/AS, 1" PVC
- E90423 Valve, BP/AS, 1" PVDF
- E90424 Valve, BP/AS, 1" SS
- E90425 Valve, Pressure Relief, 1/2" PVC
- E90426 Valve, Pressure Relief, 1/2" PVDF
- E90427 Valve, Pressure Relief, 1/2" SS
- E90428 Valve, Pressure Relief, 1" PVC
- E90429 Valve, Pressure Relief, 1" PVDF
- E90430 Valve, Pressure Relief, 1" SS
- E90439 Valve, Pressure Relief, 1/2" SS HI
- E90440 Valve, Pressure Relief, 1" SS HI



Tri-Purpose Valves

Walchem's economical Tri-Purpose Valves are three valves in one. Installed in one direction, the spring loaded PTFE faced diaphragm provides 30 psi of back pressure and anti-syphon protection. Installed in the opposite direction, it provides pressure relief that is adjustable from 30-125 psi.

- 8011-C Valve Asm, PVC/PTFE
- 8011-CP Valve Asm, PP/PTFE



Flowmeters - Multi-Jet In-line

WFM Flowmeters utilize the multi-jet principle to provide dependable, accurate performance. They are available in 3/4, 1, 1 1/2 and 2" NPT pipe sizes. A pulse output provides a signal to a controller or to a metering pump for proportional chemical feed. A two-wire reed switch or three-wire Hall effect sensor may be specified.

- WFM071 Water Meter Contactor, 3/4"
- WFM101 Water Meter Contactor, 1"
- WFM151 Water Meter Contactor, 1 1/2"
- WFM201 Water Meter Contactor, 2"



Level Switches - Point Level

Point Level sensors provide simple low tank level input for controllers and solenoid metering pumps. They can be used to stop your metering pump when chemical level is low or for direct input to your Walchem WebMaster® or WebAlert™ for remote low level indication.

- 190964-3 Switch with 3' Tube
- 190964-5 Switch with 5' Tube



Flowmeters - Paddlewheel

Walchem's WFP Flowmeters are impeller-type insertion meters designed for use in pipe sizes from 1/2" to 6". High quality jewel bearings provide accurate performance across the entire flow range. Hall effect sensor output can be connected directly to your controller or metering pump.

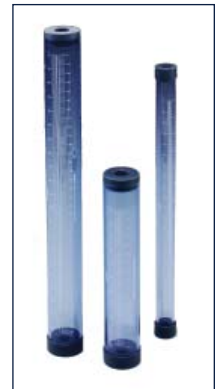
- WFP050 Sensor, w/1/2" Mounting Tee, PVC
- WFP075 Sensor, w/3/4" Mounting Tee, PVC
- WFP100 Sensor, w/1" Mounting Tee, PVC
- WFP150 Sensor, w/1 1/2" Mounting Tee, PVC
- WFP200 Sensor, w/2" Mounting Tee, PVC
- WFP300 Sensor, w/3" Saddle, PVC
- WFP400 Sensor, w/4" Saddle, PVC
- WFP600 Sensor, w/6" Saddle, PVC



Calibration Columns

Walchem's calibration columns provide verification of metering pump output. Constructed from clear PVC with graduations in milliliters and GPH. Available in EZ clean versions with vented (npt) removable top, and in sealed versions with vented (npt) non-removable top.

- E90431 200 ml Sealed
- E90432 500 ml Sealed
- E90433 1000 ml Sealed
- E90434 4000 ml Sealed
- E90435 200 ml EZ Clean
- E90436 500 ml EZ Clean
- E90437 1000 ml EZ Clean
- E90438 4000 ml EZ Clean



Polyethylene Storage Tanks

Constructed from white, UV resistant polyethylene with molded-in graduations in gallons and liters. Rigid covers are black polyethylene with molded recesses for pump, mixer and level switch. Available pre-drilled for mixers.

- 934-C Tank with Cover, 30 Gallon
- 934-2C Tank with Drilled Cover, 30 Gallon
- 944-C Tank with Cover, 50 Gallon
- 944-2C Tank with Drilled Cover, 50 Gallon



Mounting Brackets for Metering Pumps

Wall mount brackets position your E-class metering pumps above your chemical drum. Also available is a mounting base for the LK Series pump that simplifies installation and service.

- E00070 Wall Bracket (E Series Pumps - shown)
- E00099 Mounting Base (LK Pumps)



Solenoid Valves

Epoxy encapsulated solenoid valves for cooling tower applications. These normally closed valves may be mounted in any position and are available in 1/2", 3/4" and 1" sizes. 115VAC only.

- 102014 1/2" NPTF
- 102013 3/4" NPTF
- 102012 1" NPTF



BOILER ACCESSORIES

Flow Control Valves

Flow control valves are used to control the blowdown rate of your boiler to prevent flashing across the conductivity probe.

- 190831 3/4" 0 - 150 psi
- 190832 3/4" 0 - 300 psi
- 190833 1/2" 0 - 150 psi
- 190834 1/2" 0 - 300 psi



Orifice Unions

Orifice unions with drilled plates may also be used to control the blowdown rate of your boiler. Four plates are provided with pre-drilled 1/8", 3/16", 1/4" and 5/16" holes.

- 102224 1/2" with 4 Plates, 0 - 1000 psi
- 102225 3/4" with 4 Plates, 0 - 1000 psi
- 102226 1" with 4 Plates, 0 - 1000 psi



Motorized Ball Valves

Worcester Series 36 motorized blowdown valves are opened and closed by your Walchem boiler controller to maintain your conductivity set point. 115VAC only.

- 102448 1/2" 0 - 300 psi
- 102449 3/4" 0 - 300 psi
- 102450 1" 0 - 300 psi



Boiler Solenoid Valves

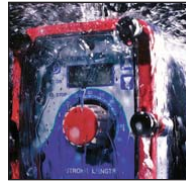
These valves open when the coil is energized, and close when de-energized. When the coil is energized, the pilot valve opens, relieving the pressure above the piston, which is lifted from its seat by the laminar plunger. When de-energized, a spring closes the pilot valve and opens a bleed passageway to permit pressure to build above the piston and seat it. No differential pressure is required to open the valve.

- 102219 1/2" 100 - 300 psi
- 102220 3/4" 100 - 300 psi
- 102571 1/2" 0 - 100 psi
- 102572 3/4" 0 - 100 psi



WebmasterONE®

WebMasterONE is the most powerful online cooling tower/boiler controllers in the water treatment industry. WebMasterONE couples a multi-I/O platform with Walchem's analytical sensors and extensive communications technologies. The result is the ability to remotely monitor and control your process from any computer, anywhere in the world, with just a standard web browser.



Metering Pumps

Walchem and Iwaki combined their talents to design the most innovative and comprehensive metering pump product line in the world. With over 50 years of combined pump experience, in an array of different markets, the Iwaki-Walchem partnership leverages our strengths to exceed even our toughest customer expectations. Committed to new product development, our pumps are innovative and revolutionary.



WIND WebMaster Industrial Water Controllers

Walchem's WebMaster® Industrial (WIND) Controller sets a new standard for Industrial Water Treatment Controllers. WIND has a flexible multi-I/O platform, a wide range of analytical sensor measurement capabilities, and an extensive assortment of integrated communications and data handling features.



WebAlert Remote Monitor

Walchem's WebAlert is the first stand alone remote monitoring device that can web enable your installed equipment without having to replace or upgrade it.

ABOUT US

Walchem integrates its advanced sensing, instrumentation, fluid pumping and communications technologies to deliver reliable and innovative solutions to the global water treatment market

Our in-house engineering is driven by quality, technology and innovation. For more information on the entire Walchem product line, visit: www.walchem.com



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