## Accessories for Boiler Water Controllers

Walchem offers a variety of products you need to complete the installation of your boiler blowdown controllers. For less demanding installations, the solenoid valves and orifice unions may be used. For greater flexibility and reliability, the motorized ball valves and flow control needle valves are employed.

### Flow Control Valves

Our flow control four-V port globe valves are equipped with a micrometer dial and pointer which enables the valve to set within 1/100th of a turn of the handwheel. This allows you to fine tune the blowdown flow rate. In the event that the valve becomes clogged, it may be opened to allow the debris to pass, and then returned to the original position.

|  | 190831 | 190832 | 190833 | 190834 |
|---|---|---|---|---|
| Pipe Size | 3/4" | 3/4" | 1/2" | 1/2" |
| Pressure | 150 psi | 300 psi | 150 psi | 300 psi |
| Temperature | 358° F WSP | 550°F WSP | 358° F WSP | 550°F WSP |
| Key Dimensions | 3" x 5-7/16" | 3- 9/16" x 6-19/32" | 2- 5/8" x 4-11/16" | 2 -7/8" x 5-9/16" |
| Materials of construction | Bronze, silicon brass, stainless steel | | | |

### Motorized Ball Valves

The motorized ball valves deliver a torque of 150 in-lbs, using a non-reversing motor, opening the valve in 5 seconds, minimizing pressure hammer. The motor is protected in a NEMA 4X enclosure, and features an integral thermal overload protector with automatic reset.   Repair kits are available as well.

|  | 102448 | 102449 | 102450 |  |  |
|---|---|---|---|---|---|
| Pipe Size | 1/2" | 3/4" | 1" | Fluid Temp. | 400 ° F |
| Voltage | 120 VAC | --- | --- | Max. Pressure | 250 psi |
| Current at Startup | 2.3 amps | --- | --- | Wetted Materials | Carbon steel, Polyfill, TFE-coated 316 SS |
| Ambient Temperature | 0 to 150°F | | | Key Dimensions | 6.5" x 5.9" x 8" |

### Orifice Unions

The orifice unions offer back pressure and flow control, limited by the available orifice sizes. Each union is supplied with four plates.

|  | 102224 | 102225 | 102226 |  |  |
|---|---|---|---|---|---|
| Pipe Size | 1/2" | 3/4" | 1" | Materials | Forged Steel |
| Orifice Sizes | 1/8", 3/16", 1/4", 5/16" | | | Pressure | 3000 psi maximum |

### 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 | 102220 | 102571 | 102572 |
|---|---|---|---|---|
| Pipe Size | 1/2" | 3/4" | 1/2" | 3/4" |
| Pressure | 100-300 psi | | 0-100 psi | |
| Inrush Current | 2.4 amps | 3.9 amps | 1.2 amps | 1.3 amps |
| Dimensions | 8" x 3.25" x 3.5" | 8.125" x 3.5" x 3.5" | 7" x 3.25" x 2.875" | 7.125" x 3.5" x 2.875" |
| Max. Fluid Temp. | 400° F | | | |
| Wetted Materials | Cast Bronze, Stainless Steel, Inconel, Glass Filled Teflon, Non asbestos gasket | | | |
| Power | 115 VAC 60 Hz | | | |

**W A L C H E M**

IWAKI America Inc.

Walchem integrates its advanced instrumentation, sensing, 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

## 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.

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180205. F Sep 2013

W A L C H E M
IWAKI America Inc.

Walchem, Iwaki America Inc.
Five Boynton Road  Hopping Brook Park
Holliston, MA  01746  USA
Phone: 508-429-1110   www.walchem.com