

# 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"

# W A L C H E M

IWAKI America Inc.

## 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			

## Water Treatment Controllers

Walchem is a leading manufacturer of all things related to water treatment systems and solutions. We provide innovative solutions for a broad range of applications and offer the highest quality products on the market. We have a great selection of water treatment controllers to choose from to help with all of your water treatment needs. Our water controllers are easy to use and come with advanced programming to help with specific requirements.



## Metering Pumps

The E-Class is the most innovative and comprehensive metering pump product line in the world. Over 50 years of pump experience and a commitment to superior mechanical design has led to development of many industry firsts, including 360 stroke-per-minute technology, IP67 waterproof construction, and the world's highest capacity solenoid metering pumps.



## 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](http://www.walchem.com).



Scan QR code with your smartphone camera for more details!

# WALCHEM

IWAKI America Inc.

180205. | July 2022

**Walchem, Iwaki America Inc**

ISO 9001 registered company

Five Boynton Road Hopping Brook Park | Holliston, MA 01746 USA | Phone 508-429-1110 | [walchem.com](http://walchem.com)