



VALVE PACKAGES - System Options

Materials of construction: Solenoid Valves are bronze body with stainless steel pilot and valves; Motorized Ball Valves are carbon steel body with 316 stainless steel ball and stem; Throttling Valves are carbon steel body and valve; and Orifice Unions are carbon steel union with stainless steel plates.



FLOW CONTROL VALVES – Boiler Applications

Flow control valves maintain sufficient back pressure in boiler blowdown lines in order to prevent flashing and to ensure adequate blowdown rates. The orifice union includes four plates, 1/16", 1/8", 1/4" and a 5/16". Flow control valves include an indexed position indicator.



CONTACTING HEAD WATER METERS Multi-Jet Meters, 3/4 in. to 2 in., are designed for use in conjunction with a pulse timer to proportionally control pumps, valves etc. The Multi-Jet chamber of the water meter assures accuracy over a wide range of flows with low head loss.



A **SAMPLE COOLER** provides a safe method of withdrawing and cooling boiler process water for analysis. Our 304SS coolers are easy to install, and handle sample pressures to 2500 PSI.

The **MicroVision Boiler Controller** delivers comprehensive boiler water control with 'plug & play' simplicity, at an outstanding value. This latest addition to the MicroVision family of controllers is configured specifically for boiler water control, and utilizes intuitive software which provides simple set-up, while providing state of the art maintenance of the water in your boiler. Features of this device include a reliable temperature compensated conductivity probe, 5 output relays with selectable timers, scalable 4-20mA output to report conductivity, hall-effect and pulse water meter inputs and digital drum levels or a boiler interlock input.

Operating Benefits

- **Simple programming.** The unit is factory preset to operate in timed sample mode right out of the box. Intuitive menus make program alterations easy and understandable.
- **Easy installation.** With pre-wired and conduit connection options, the NEMA 4X enclosure is easy to install.
- **Easy to use.** Large graphical display, LED function indicators and touch pad program keys provide the user with clear and precise system information.
- **Reliable conductivity probe.** The standard conductivity probe is rugged and reliable; temperature compensated for accurate readings from 0 – 20,000 uS.
- **2 year warranty.** The MicroVision Boiler controller is rugged and reliable, and backed by a two year warranty.

Key Features

- **Selectable sampling modes:** Continuous, Timed Sample and Sample & Hold modes to meet any system requirement.
- **Powered relay** for motorized ball valves or solenoid blowdown valves.
- **3 Powered relays** for chemical metering pumps.
- **Selectable timers** (pulse, limit, %, 28 day & cycle).
- **Dry contact relay** for remote alarm.
- **4-20mA output,** isolated and scalable.
- **5 Digital inputs** in total with water meter and boiler interlock.
- **Large graphical display** with status screen for instant access to system information.



An ISO 9001 and 14001 Certified Company



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