Unexpected, undetected distributing valve malfunctions can cause significant risk and costly problems for system designers, operators and owners. System overloading, environmental contamination, permit violation, and the associated costly repairs can all be caused by valve problems. Preventing such emergency situations has traditionally required frequent site visits and inspections, however this increases Operation & Maintenance costs.

Introducing the first electronic monitor and early-warning alert system for all major third party 6000 series mechanical distributing valves by K-Rain®, Orenco®, Zoeller® and others.

The IVM6000™-LP Intelligent Valve Monitor™ ensures reliable designs and peace of mind, by confirming even distribution to all zones, as well as providing early detection and immediate alert of valve malfunctions.

Simply replace the valve’s original rubber disk and stem assembly with the sensor enabled one supplied with the IVM6000™. Slide the monitor down over the valve and supply low voltage line power. Connect the dry contact alarm output to any standard third party pump control panel and the IVM6000™-LP is ready to provide immediate notification of any valve malfunctions.

The distributing valve + Intelligent Valve Monitor™ combination offers superior reliability and control system simplicity compared to using solenoid or motor-actuated valves for zoning effluent distribution systems. It is also much less costly than using larger pumps, or many additional pumps which increases control panel complexity.

“The monitors provide peace of mind that the valves are distributing effluent uniformly, and have significantly reduced the amount of time I spend making random spot checks. Your IVMs are one of the most useful, time saving devices I have seen in a very long time, maybe ever!”

Art Betker, Class C WWT Operator
Rice, Minnesota
Valve operation is tracked and real-time status of relative distribution is provided on the LCD display.

**Product Specifications**

**Valve/Cam Model:** All 6000 series. 2, 3, 4, 5 or 6 outlets.

**Line power:** Any from 7.5~30V AC or DC.

**Power consumption:** <50mA @ 24V AC, <1.2Watts max

**Alarm output:** Relay contact ratings 1A/30V DC max, 0.5A/125V AC max.

**Event Storage:** Records all events with 255+ repeat counts on each entry.

**Dimensions:** 9.5” x 8.5” x 7.5” (high) (240mm x 216mm x 191mm)

**Shipping Dimensions:** 10” x 10” x 10” box

**Cable:** 24 AWG 4/8 Conductor, Direct bury, 10 ft (3.0m) standard

**Weight:** approx. 2 lbs 15 oz (1325g)

**Materials:** Case ABS, Lens: Polycarbonate

**Measurement resolution:** 1 second

**Operating Temperature:** -20°C to 50°C (-4°F to 122°F)

**Storage Temperature:** -40°C to 80°C (-40°F to 176°F)

**Other user adjustable parameters:**
- Allowable outlet percent variation
- Valve model/cam
- Alarm error sensitivity (Low, Medium, High)
- Minimum, maximum (pump dose) on time
- Minimum, maximum alarm temperatures
- Date and time
- Lifetime and resettable counters/timers
- LCD backlight

**Installation:**
Slides down over top of valve. Replace original rubber disk and stem assembly (RDSA) with sensor-enabled RDSA supplied with monitor.

![IVM RDSA (dark blue stem)](image-url)