



**OMEGA XPV™ MONITOR  
STYLE 3523  
INSTALLATION, OPERATING AND MAINTENANCE INSTRUCTIONS**

The following is intended to provide the basic instructions for installation, operating and maintenance of the Omega XPV™ Monitor. Read and understand these operating instructions before use.

**PRODUCT RATINGS:**

Maximum Flow: 1250 gpm (4800 lpm)

Maximum Pressure: 200 psi (1400 kpa)

**PRODUCT WARNINGS:**

The reaction force when flowing at the maximum pressure and flow listed above is 900 pounds. The center of the waterway is 18 ½ inches from the bottom of the inlet flange. Ensure these values plus an appropriate safety factor are used to determine a proper support structure.

**WARNING:** INSUFFICIENT STRUCTURAL SUPPORT CAN LEAD TO FAILURE, WHICH HAS POTENTIAL TO CAUSE AN INJURY. THEREFORE, ADDITIONAL STRUCTURAL SUPPORT AT THE INLET FLANGE MAY BE REQUIRED. NO SUPPORT STRUCTURE IS TO BE ADDED DIRECTLY TO THE MONITOR. (Contact Akron Brass Customer Service for assistance.)

**WARNING:** Charge the unit slowly. Rapid charging may cause a pressure surge which has the potential to cause an injury or damage the monitor.

**WARNING:** Aim the unit in a safe direction before pumping water through it.

**WARNING:** DO NOT exceed the maximum pressure or flow ratings of the monitor. Exceeding these ratings has the potential to cause an injury or damage the monitor.

**WARNING:** DO NOT install shutoffs on the outlet of the monitor. Shutoffs increase the potential for pressure surges due to water hammer, which have the potential to cause injury or damage the monitor.

**WARNING:** DO NOT install this monitor in locations where freezing conditions may occur. Water freezing anywhere within the monitor can cause severe damage to the monitor and may result in injury if the monitor is operated at a later time.

**WARNING:** Ensure the thread on the nozzle swivel matches the thread on the monitor outlet. Do not over tighten the nozzle onto the unit.

**MONITOR ATTACHMENT:**

The monitor is to be mounted on the waterway with eight 5/8 inch bolts and nuts of grade five minimum and suitable washers when mounting to a four inch flange. When mounting to a three inch flange, only four bolts, nuts and washers are required.

**OPERATING INSTRUCTIONS:**

The tiller bar and the upper and lower brake knobs are used to control the monitor. To change the horizontal monitor position toward the "RIGHT" or "LEFT", get a firm grip on the tiller bar handle and turn the lower brake knob counterclockwise until the unit can be easily rotated. Turn the same knob clockwise to lock the unit in the desired horizontal position. To change the vertical monitor position upward or downward, get a firm grip on the tiller bar handle and turn the upper brake knob counterclockwise until the unit can be easily elevated or lowered. Turn the same knob clockwise to lock the unit in the desired elevation position.

The Omega XPV™ Monitor incorporates a ball valve shutoff. To open this valve move the handle so that is parallel to the waterway. To close the valve, move the handle so that it is perpendicular to the waterway.

If the monitor is installed in areas where freezing can occur, a valve should be installed below the frost line which will allow the monitor to be fully drained after use. Additionally, the valve on the monitor should be opened and closed a few times to make sure any residual water is allowed to drain out of the valve body.

#### **CAUTIONS:**

Your monitor and nozzle should be inspected prior to and after each use to ensure it is in good operating condition. Periodically, an unanticipated incident occurs where the unit is misused in a manner that is inconsistent with standard operating practices. A partial list of potential misuses includes:

- Operating above maximum rated pressure or flow.
- Not draining the monitor above and below the valve and allowing water to freeze in the unit.
- Prolonged exposure to temperatures above 140 degrees F, or below 32 degrees F.
- Operating in an extremely corrosive environment.
- Other misuse that may be unique to your specific environment.

Also, there are many “tell tale” signs that indicate repair is in order, such as:

- A handle that is inoperable or difficult to operate.
- Excessive wear.
- Poor discharge performance.
- Water leaks.

If any of the above situations are encountered, the monitor should be taken out of service, repaired and tested by a qualified technician before placing it back in service.

#### **MAINTENANCE INSTRUCTIONS:**

- Periodically lubricate the grease fittings with Lubriplate Low-Temp or equivalent. Inject the lubricant until it becomes visible from the bleeder holes in the center of the swivel plugs.
  - Periodically clean grit and dirt from around exterior moving parts.
  - Periodically operate all functions of the monitor through its full travel.
  - The brake mechanism on the horizontal and vertical travel may require periodic maintenance. To check the adjustment, rotate the brake knob counterclockwise until it stops. Turning the brake knob clockwise 1 to 1 1/2 turns should lock the monitor. If the monitor does not lock, remove the lock mechanism, inspect for wear and replace components as necessary.
  - Replace the identification tag if it is worn or damaged.
- Replace the seals in the ball valve if water leaks are observed.



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REVISED: 6/12

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