



## Product Specifications

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### Pro Series 150 Electric Valve (Jar Top) / Professional Valve Series

Model # 7101-J

The jar-top design electric valve shall be a normally closed, electronically-actuated, diaphragm-operated, remote-control zone valve. The valve will be capable of operating between \_\_\_\_\_ and \_\_\_\_\_ PSI (bars; kPa) with a flow range of between \_\_\_\_\_ and \_\_\_\_\_ GPM (m<sup>3</sup>/hr; l/m). Pressure loss shall be \_\_\_\_\_ PSI (bars; kPa) at a maximum of \_\_\_\_\_ GPM (m<sup>3</sup>/hr; l/m). The standard solenoid shall be a 24 VAC, 60 cycle unit with a .43 Amps inrush current and .25 Amps holding current. The valve shall open or close in less than 1 minute at 150 PSI (10,35 bar), and less than 30 seconds at 20 PSI (1,38 bar).

The valve design shall have a heavy-duty tilt diaphragm/piston assembly allowing for straight flow path of the water to increase the flow rate while reducing the friction loss. The valve shall be debris tolerant in design for potable or non-potable water applications. The diaphragm shall have a metering screen of 50 mesh filter in the turbulent flow of water allowing for self-cleaning action during operation. The valve shall be equipped with a threaded jar-top to allow for quick, manual removal of the cap for servicing and installation.

The body and bonnet shall be molded of non-corrodible, UV Resistant PVC rated to 150 PSI (10.3 bars/1030 kPa). The bonnet screws shall be stainless steel and serviceable with a Phillips screwdriver. The solenoid shall be an encapsulated, one-piece unit with captive plunger to allow for easy removal when servicing. The solenoid shall be equipped with a manual internal open/close capability to release the upper chamber water to the downstream piping, allowing the valve to open without electrically energizing the unit. The valve shall operate manually by means of adjusting the external bleed screw. The external bleed screw shall have a removable metering pin for easy cleaning without disassembly of the valve. The valve construction shall provide for all internal parts to be removable from the top of the valve without disturbing the valve installation.

The valve shall have an overall length of \_\_\_\_\_ inches (cm), a width of \_\_\_\_\_ inches (cm), and a height of \_\_\_\_\_ inches (cm). The valve shall be adjustable by a flat blade screwdriver for operation.

The jar-top valve is manufactured for four (4) different applications:

1. To accept 1-inch (2.5 cm) female thread jar-top, NPT;
2. To accept 1-inch (2.5 cm) female slip jar-top;
3. To accept 1-inch (2.5 cm) female thread jar-top, BSP (British Standard Pipe); and
4. To accept 1-inch (2.5 cm) male thread by 1-inch barb jar-top.



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The valve shall carry a seven-year trade, exchange warranty.

The valve shall be manufactured by K-Rain Manufacturing Corporation of Riviera Beach, Florida an ISO 9001:2015 Certified Company.