



Product Specifications

K-Rain Pro Series 100 Electric Valve

Model # 7001, 7001-SL, 7001-BSP, 7001-NFC, 7001-SL-NFC 7001-BSP-NFC

Professional Series Valve

The valve shall be a normally closed, electronically-actuated, diaphragm-operated, remote-control zone valve. The valve shall be capable of operating between 10 and 150 PSI (0.7 bars/70 kPa-10.3 bars/1030 kPa) with a flow range of between .75 and 35 GPM (2.8-132.4 LPM). Pressure loss shall be 5 PSI (0.3 bars/30 kPa) maximum at 30 GPM (113 LPM).

The valve design shall have a Tilt Diaphragm/Piston Assembly allowing for straight flow path of the water increasing the flow rate while reducing the friction loss. The valve shall be debris tolerant in design for potable or dirty 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 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 valve shall have an optional non-rising stem-type, flow control mechanism with removable tamper resistant handle allowing for precise flow adjustment and manual shut off. This valve shall also be adjustable by a flat blade screwdriver for operation without the handle. The valve shall have an overall length of 5 ¼ inches (13.3 cm) and a maximum height of 4 inches (10 cm) with the optional flow control handle installed.

The standard solenoid shall be a 24 VAC, 60 Cycle unit with a .43 Amps inrush current and .25 Amps holding current. The solenoid shall be an encapsulated, one-piece unit with captive plunger. It shall be equipped with manual internal bleed capability to release the upper chamber water to the downstream piping, allowing the valve to open. The valve shall have a manual bleed screw that provides an additional method for manual operation of the valve.

The valve is manufactured for 3 different applications:

1. To accept 1-inch female slip or 1 ¼ inch male slip installation within the same unit;
2. To accept 1-inch female thread or 1 ¼ inch male slip installation within the same unit; and
3. To accept 1-inch female BSP thread or 1 ¼ inch male slip installation within the same unit.

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

The valve shall be manufactured by K-Rain Manufacturing Corporation of Riviera Beach, Florida an ISO 9001:2000 Certified Company.