

MODELS

7001	1" Female Thread or 1-1/4" Male Slip
7001-SL	1" Female Slip or 1-1/4" Male Slip
7001-BSP	International

PROSERIES 100 VALVE

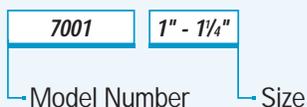
A contemporary reliable piston-driven diaphragm makes the PROSERIES 100 Valve the perfect choice for dirty water applications. PROSERIES 100 Valves are designed to provide superior flow rates with minimal pressure loss due to the unique straight through flow path. It has both an internal bleed and external bleed in addition to flow control. It can be piped with 1" pipe in the inside of the inlet or 1-1/4" coupling over the outside of the inlet.



FEATURES/BENEFITS

- Heavy Duty, Corrosion and UV Resistant PVC Construction—Increases the life of the valve.
- Combination 1" and 1 1/4"—Provides the option to increase the pipe size to the valve increasing the flow rate.
- Tilt Diaphragm/Piston Assembly—Allows for a straight flow path of the water increasing the flow rate while reducing the friction loss.
- Debris Tolerant Design—Provides flexibility for use in potable or dirty water applications.
- Manual External Bleed Through Bleed Screw—Provides for manual operation in system start up.
- Manual Internal Bleed Through Solenoid—Provides for manual operation without leaking water.
- Flow Control with Removable Handle—Allows for precise flow adjustment and manual shut off and allows you to remove the handle to prevent tampering.
- Captured Plunger Solenoid—Allows for the solenoid to be removed without losing the internal plunger.
- Self Cleaning Metering Screen—Screen is in the turbulent flow of the water allowing self cleaning action during operation.

HOW TO SPECIFY



SPECIFICATIONS

- Dimensions: HEIGHT: 4"
WIDTH: 3"
LENGTH: 5-1/4"
- Flow Range: .75 - 35 GPM
- Pressure Rating: 20 - 150 PSI
- Pressure Loss @ 30 GPM - 5 PSI
- Solenoid: 24 VAC 60 Cycle
- Inrush Current: .43 Amps
- Holding Current: .25 Amps

K-RAIN PROSERIES 100 MODEL 7001: ELECTRIC VALVE

Construction:

The valve body is constructed of corrosion and UV resistant PVC material. Valve is available in NPT, welded slip and BSP configurations. The valve is manufactured for 3 different applications:

1. to accept 1" female slip or 1 1/4" male slip installation within the same unit.
2. to accept 1" female thread or 1 1/4" male slip installation within the same unit.
3. to accept 1" female BSP thread or 1 1/4" male slip installation within the same unit.

Design of valve is high flow, low friction loss and includes optional flow control for precise flow adjustment and manual shut off. Valve has debris tolerant design to accommodate dirty water conditions. Valve has a manual external bleed and removable tamper-resistant flow control handle. Valve has a diaphragm piston assembly with a 50 mesh filter screen in the turbulent flow for self-cleaning purposes. Valve is powered by a 24 VAC encapsulated solenoid, .43 amp inrush and .25 amp holding.

Operation:

Valve has a working pressure range from 20 PSI (0.7 bars) minimum to 150 PSI (8.62 bars) maximum and a recommended flow range from 5 to 30 GPM (20 to 114 LPM).

