



ProSeries 150™ ELECTRIC VALVES

FEATURES

1. Removable external bleed screw with metering pin - allows for easy cleaning of the diaphragm port without disassembling the valve (excluding the jar top model).
2. External bleed screw - for manual operation.
3. Internal bleed handle - for manual operation.
4. Removable inlet cap - for easy conversion from globe to angle-style valve (1 1/2" and 2" models only).
5. Captured pluger - allows for the solenoid to be removed without losing internal parts.

SPECIFICATION

1. Pressure - 20 PSI minimum to 150 PSI
2. Voltage - 24 VAC 60 cycle, .4 amps inrush, .2 amps holding

BEFORE INSTALLATION

1. Flush system thoroughly before installing valves.
2. Make sure you have sufficient water supply, pressure and flow.



INSTALLING VALVE WITH ADAPTERS

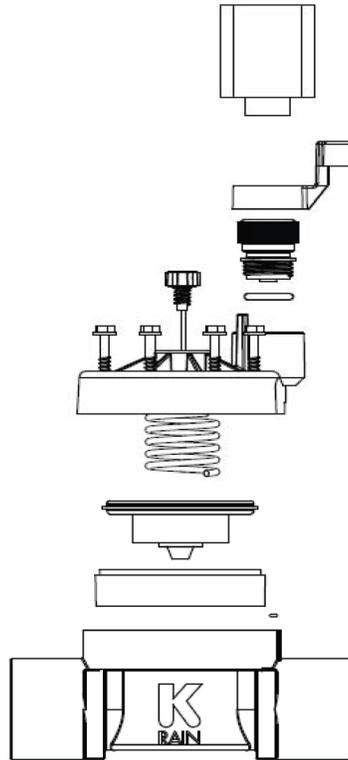
1. Wrap adapters with 2 to 3 complete wraps of teflon tape around threads.
2. Hand tighten adapters into valve.
3. Carefully tighten adapters one additional turn past hand tight.
4. Do not use flow control handle as a lever.

CAUTION: DO NOT OVER-TIGHTEN ADAPTERS!

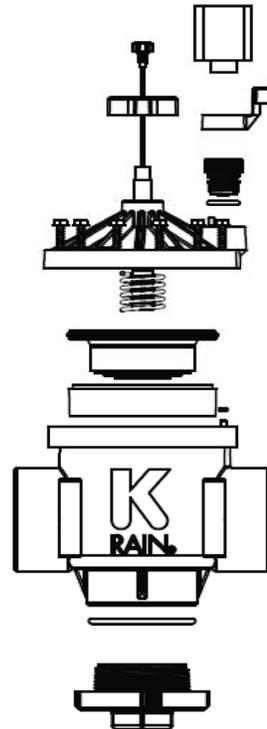
OPERATING VALVE MANUALLY

1. Open bleed screw counter-clockwise three complete turns.
2. Water will exit screw hole and valve will open.
3. Or turn ON/OFF lever 1/2 turn counterclockwise.

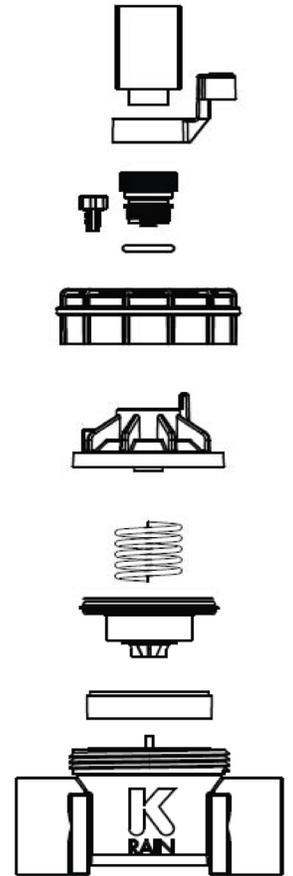
PARTS BREAKDOWN



- #7101
1" Female Thread, NPT
- #7101-SL
1" Female Slip
- #7101-BSP
1" Female Thread, BSP



- #7115
1.5" Female Thread, NPT
- #7115-BSP
1.5" Female Thread, BPS
- #7102
2" Female Thread, NPT
- #7102-BSP
2" Female Thread, BSP



- #7101-J
1" Female Thread, NPT Jar Top
- #7101-J-SL
1" Female Slip Jar Top
- #7101-J
1" Female Thread, BSP Jar Top



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1. INLET / OUTLET CONNECTIONS

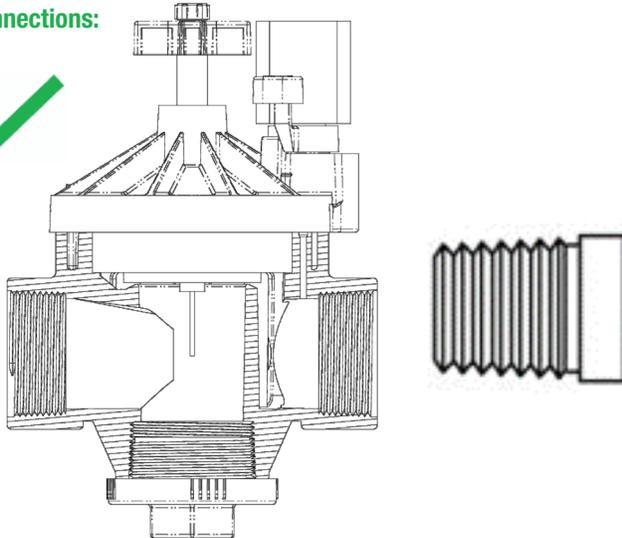
1.1 Threaded Valves:

K-Rain electric valves are available with either NPT (National Pipe Thread) or BSPT (British Standard Pipe Thread). All valves with a BSPT thread will be marked as either BSPT or BSP on the valve body. Most valves with NPT thread are marked as such on the valve body. However some models of valve are not marked NPT and these will be NPT threaded by default.

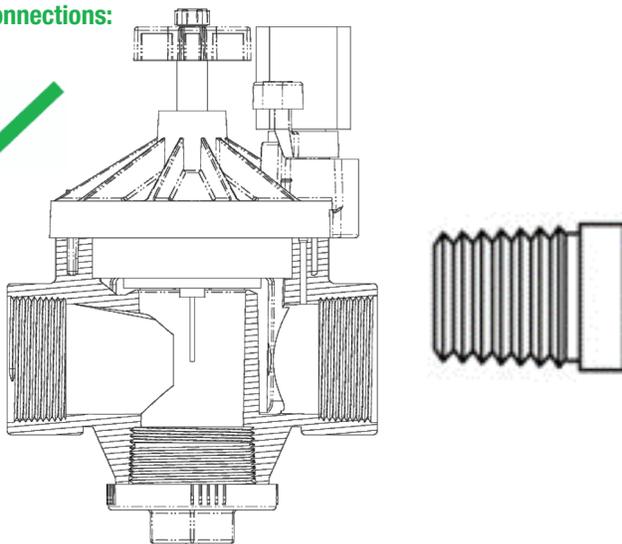
Note: Though not typically used in the irrigation industry there is a BSPP (British Standard Parallel Pipe) thread. A BSPP fitting may cause damage and or not seal if threaded into a BSPT threaded valve.

PROPER FITTINGS / PIPE / NIPPLES
– HAVE TAPERED THREADED SECTION

NPT Connections:

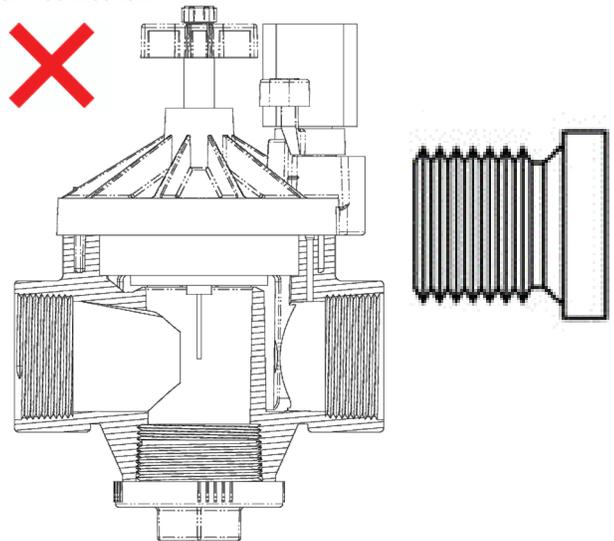


BSPT Connections:



WRONG FITTING / PIPE / NIPPLES
– HAVE STRAIGHT (PARALLEL) THREADED SECTION

BSPP Connection:



1.2. Slip Valves:

On valves with slip type glue-in sockets: Purple Primer and regular body clear or medium body gray PVC cement should be used. Thoroughly coat the pipe stub and lightly coat the socket with primer then with glue. Excess glue in the socket can be pushed into the valve causing malfunctions. After the pipe is inserted, turn ¼ turn to get a good weld. Wipe off any excess cement that is pushed out of the socket with a rag. Allow 2 hours of cure time at temperatures above 60 Fahrenheit/15 Celsius before pressure testing the valve.

2. TEFLON TAPE:

K-Rain recommends using white Teflon tape ONLY to seal the threads - wrapping the fitting with a maximum of 3 layers of tape clockwise in relation to the threads of the fitting facing you. Make sure that there is no tape hanging off the end of the fitting before inserting into the valve as this may cause the valve to malfunction. Hand tighten the fitting into the valve and then 1 1/2 additional turns with a pipe wrench or pliers.