

Drip Zone Valve Kit Models DZK-700-1-LF and DZK-700-1-MF Installation Instructions

Kit Components

- 1" (FPT x FPT) Ball Valve
- 3/4" (MPT x MPT) F Series Y-Filter, 150 Mesh
- 1" (FPT X FPT) Irritrol Systems 700-1 Irrigation Control Valve
- 1" x 3/4" NPT Female x Male Reducer Bushings
- 1" NPT Close Nipple
- 3/4" (FPT X FPT) Pressure Regulator, 25 PSI at 0.1–8 GPM (LF)
- 3/4" (FPT X FPT) Pressure Regulator, 25 PSI at 2–20 GPM (MF)

Specifications

- Inlet Pipe Size: 1" FPT
- Outlet Pipe Size: 3/4" FPT
- Maximum Supply Pressure: 150 PSI
- Downstream Pressure Regulation: 25 PSI
- Flow Rate @ 25 PSI:
 - DZK-700-1-LF: 0.1–8 GPM (LF)
 - DZK-700-1-MF: 2–20 GPM (MF)
- Filtration: 150 Count Stainless Mesh Screen
- Irrigation Control Valve:
 - Automatic, In-line, Irritrol Systems Model 700-1
 - Manual Bleed and Flow Control
 - 24 V a.c., 60 Hz Solenoid

Installation Procedure

⚠ CAUTION: When assembling the Drip Zone Valve Kit components, use 1½ to 2 turns of Teflon tape on the threaded connections. Do not use pipe dope!

To achieve a leak-free thread connection, turn the male fitting until it is finger tight, then add one or two more turns. Over-tightening can cause splitting and failure of the female threads.

⚠ Important: Ensure the Y-Filter, Control Valve and Pressure Regulator are installed in the correct flow orientation. Flow direction arrows are provided on each component. Refer to **Figure 1**

1. Using the 1" Close Nipple, install the Ball Valve to the Control Valve inlet.
2. Using a 1" x 3/4" (Male x Female) Reducer Bushing, install the 3/4" Y-Filter inlet to the Control Valve outlet. Angle the Y-Filter slightly downward as shown in **Figure 1**.
3. Install the 3/4" Pressure Regulator inlet to the 3/4" Y-Filter outlet.
4. Installing the completed assembly below grade in a valve box is suggested. Leave sufficient room to access the components for future maintenance.

⚠ Important: Refer to the provided 700-1 Valve Installation Instructions for additional important installation and operating information.

5. To determine the recommended minimum/maximum number of drip emitters per control valve, refer to the following table:

Emitter (GPH)	Low Flow	Medium Flow
0.5	30–960	240–2400
1.0	15–480	120–1200
2.0	1–240	60–600

For technical assistance, call 1-800-333-8125.

