

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

Specifications

- Inlet Pipe Size: 1" FPT
- Outlet Pipe Size: 1" FPT, 3/4" FPT with Reducer Bushing or TRI-LOC™ Flex Pipe Adapter (16–18mm OD)
- Maximum Supply Pressure: 150 PSI
- Downstream Pressure Regulation:
 - 30 PSI for 700DK-1
 - 40 PSI for DZK-700
- Flow Rate @ 30 PSI to 150 PSI: 0.1 GPM to 35 GPM
- Filtration: 150 Count Stainless Mesh Screen
- Irrigation Control Valve:
 - Automatic 1" In-line Valve, Model 700-1
 - Manual Bleed and Flow Control
 - 24 VAC, 60 Hz Solenoid

Kit Components

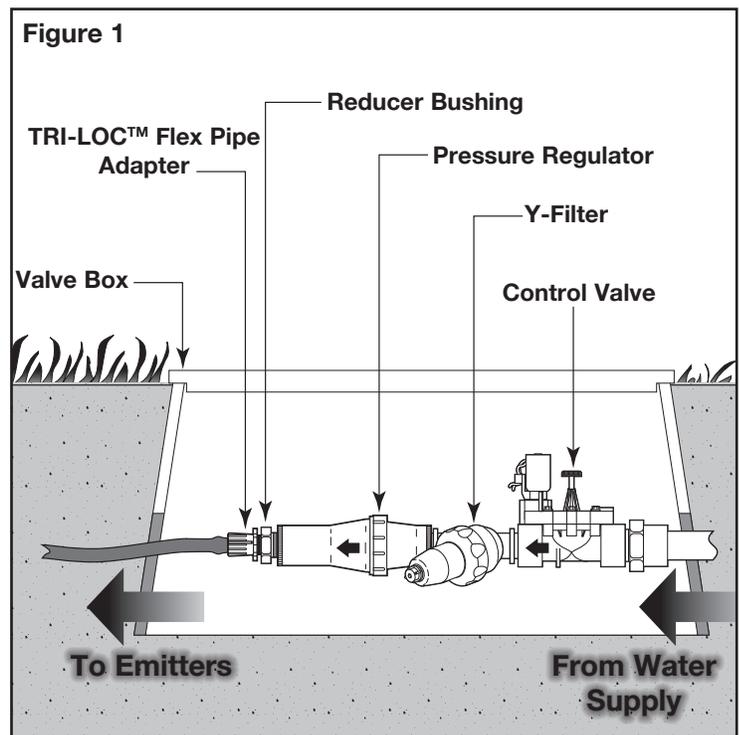
- 1" (FPT X FPT) Irrigation Control Valve
- 1" (MPT x MPT) F Series Y-Filter, 150 Mesh
- 1" (FPT X FPT) Pressure Regulator, 30 or 40 PSI
- 1" x 3/4" NPT Female x Male Reducer Bushings
- TRI-LOC™ Flex Pipe Adapter (16–18mm OD)

Installation Procedure

⚠ CAUTION: When assembling the Drip Zone Valve Kit components, use 3 to 4 turns of PTFE tape on the threaded connections. Do not use pipe sealant!

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. From the water source, route 1" schedule 40 PVC pipe to the valve.
2. Thread the Y-Filter into the control valve outlet.
3. Install the 1" Pressure Regulator inlet to the 1" Y-Filter outlet. Refer to **Figure 1**.
4. Outlet can be 1" FPT, 3/4" FPT with reducer bushing, or TRI-LOC™ Flex Pipe Adapter (16–18mm OD).
5. 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.
6. 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