

Drip Zone Valve Kit Models DZK-TPV 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
- Flow Rate @ 30 PSI to 150 PSI: 0.1 GPM to 35 GPM
- Filtration: 150 Count Stainless Mesh Screen
- Irrigation Control Valve:
 - Automatic, In-line, Toro Model TPV100
 - 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 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 inlet into the valve outlet. Use PTFE tape on all threaded connections. Angle the Y-Filter slightly downward as shown in **Figure 1**.
 3. Thread the Pressure Regulator inlet into the Y-Filter outlet.
- Note:** To adapt the Drip Zone Valve Kit for dripline applications, install the provided 1" x 3/4" Male NPT Reducer and TRI-LOC™ Flex Pipe Adapter.
4. Connect the water source supply line and piping to drip emitters.

Note: Installing the valve assembly below grade in a valve box is recommended for protection and ease of service.

Note: Refer to the TPV Valve Instruction Guide provided in the kit for complete valve installation and operating information.

5. Refer to **Table 1** to determine the recommended minimum/maximum number of drip emitters per control valve.

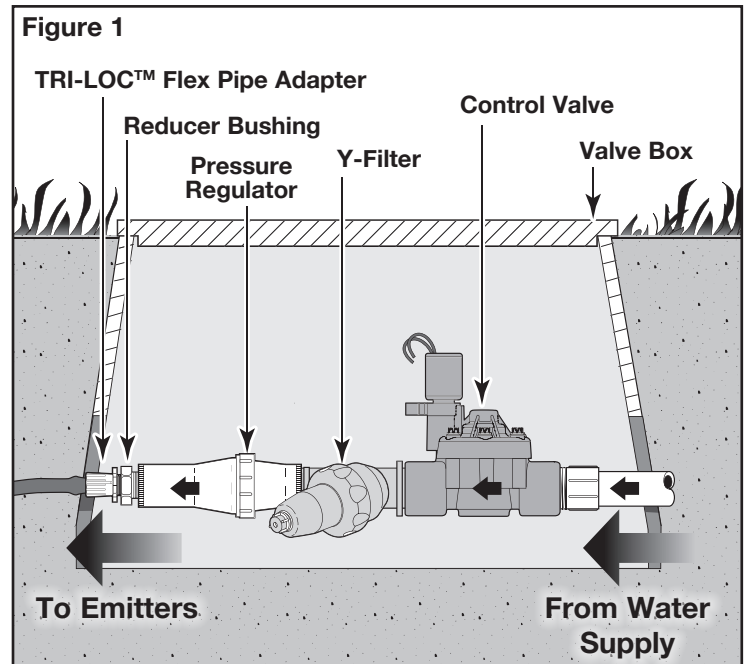


Table 1

Emitter (GPH)	Low Flow	Medium Flow
0.5	12–960	240–2400
1.0	6–480	120–1200
2.0	3–240	60–600