Drip Zone Valve Kit
Models 2713APRDK-LF and 2713APRDK-MF
Installation Instructions

Kit Components

- Irritrol 2700 Series Valve, Model 2713APR
- Pressure Regulator - 25 psi at 0.1–8 GPM, 3/4" Female NPT (Low Flow [LF] model)
- Pressure Regulator - 25 psi at 2–20 GPM, 3/4" Female NPT (Medium Flow [MF] model)
- 3/4" MPT x MPT F Series Y-filter, 150 Mesh Screen
- Drip Line Compression Adapter, CA-710
- 1" x 3/4" Male NPT Reducer Bushing
- 3/4" MPT x 1/2" Slip Fitting

Specifications

- Downstream Pressure Regulation: 25 psi
- Flow Rate at 25 psi: (LF Model) 0.1–8 GPM
  (MF Model) 2–20 GPM
- Filtration: 150 Mesh Stainless Steel Screen
- 1" Anti-siphon Electric Control Valve, Model 2713APR
  - Operating Pressure: 10–150 psi
  - 24 VAC, 50/60 Hz Solenoid
    - Inrush: 0.40 amp, 9.6 VA
    - Holding: 0.20 amp, 4.8 VA
  - Manual On/Off - Internal and External Bleed
  - Adjustable Flow Control

Installation Procedure

⚠ CAUTION: When assembling the drip zone valve kit components, use just 1 ½ to 2 turns of PTFE tape on male threads. Never use pipe dope. To achieve a leak-free thread connection, turn the male fitting until it is finger-tight, and 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. Thread the Y-filter inlet into the valve outlet with the provided 1" x 3/4" NPT reducer bushing. Use PTFE tape on all threaded connections. Angle the Y-filter slightly downward as shown in **Figure 1**.
2. Thread the pressure regulator inlet into the Y-filter outlet.
3. Connect the water source supply line and piping to drip emitters.

   NOTE: Refer to the 2713APR Series Valve Instruction Guide provided in the kit for complete valve installation and operation information.

   NOTE: To adapt the Drip Zone Valve Kit for dripline applications, install the provided 3/4" MPT x 1/2" Slip fitting and CA-710 dripline compression adapter to the pressure regulator outlet.
4. Flush the system to remove debris.
5. To determine the recommended minimum/maximum number of drip emitters per control valve, refer to the table below.

Figure 1

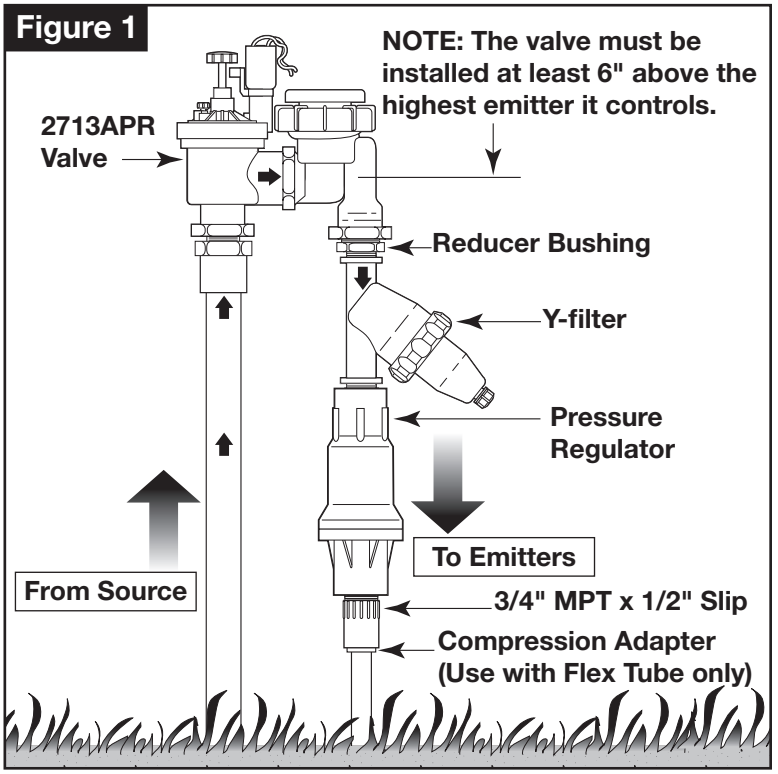

Table 1

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

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