



Drip Zone Valve Kits Installation Instructions

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Drip Zone Valve Kit
Models 2500DK-1-LF and 2500DK-1-MF
Installation Instructions
[373-0512 Revision B](#)

Drip Zone Valve Kit
Models 2711APRDK-LF and 2711APRDK-MF
Installation Instructions
[373-0513 Revision B](#)

Drip Zone Valve Kit
Models 2713APRDK-LF and 2713APRDK-MF
Installation Instructions
[373-0514 Revision B](#)

Drip Zone Valve Kit
Models 700DK-075-LF
Installation Instructions
[373-0515 Revision B](#)

Drip Zone Valve Kit
Models 700DK-1-LF and 700DK-1-MF
Installation Instructions
[373-0516 Revision B](#)

Drip Zone Kit - Less Valve
Models DK-LV-LF and DK-LV-MF
Installation Instructions
[373-0535 Revision A](#)

Kit Components

- Irritrol 2500 Series Valve, Model 2500TF
- 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" In-line Electric Control Valve, Model 2500TF
 - ♦ 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: Installing the valve assembly below grade in a valve box is recommended for protection and ease of service.

NOTE: Refer to the 2500TF 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.

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

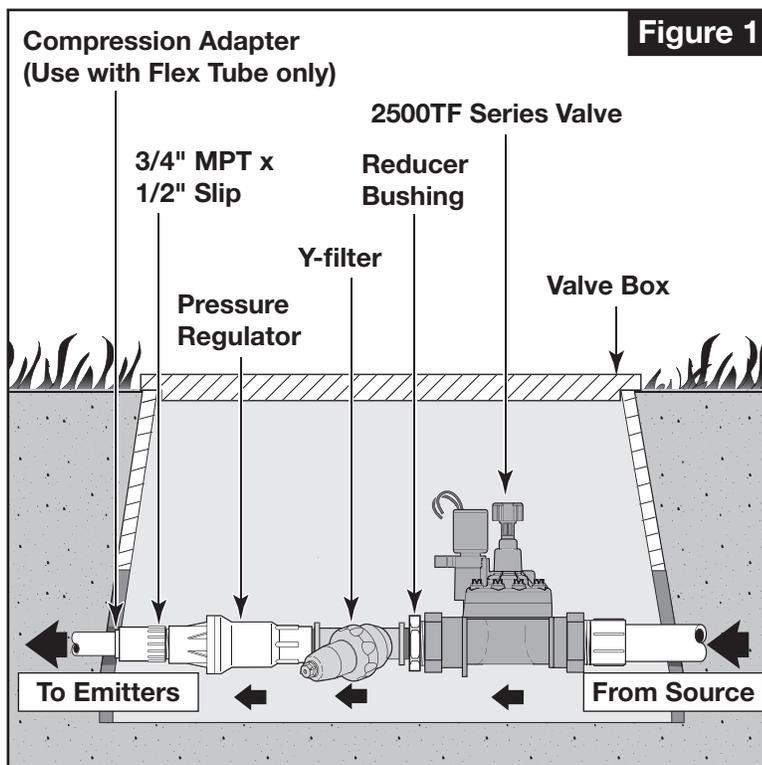


Figure 1

Kit Components

- Irritrol 2700 Series Valve, Model 2711APR
- 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
- 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
- 3/4" Anti-siphon Electric Control Valve, Model 2711APR
 - ♦ 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. 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.

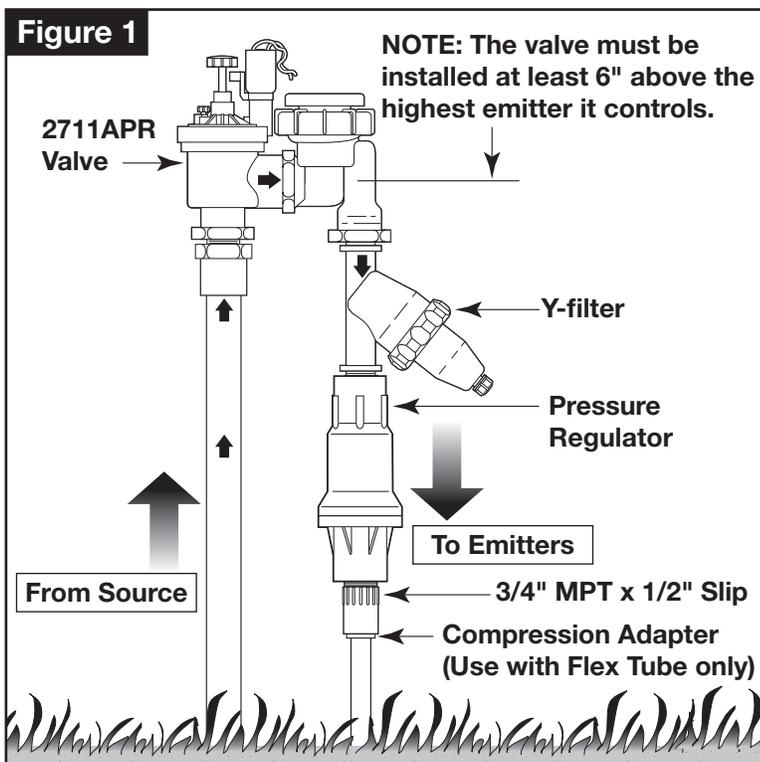
NOTE: Refer to the 2711APR Series Valve Instruction Guide provided in the kit for complete valve installation and operation information.

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.

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



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 1/2 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.

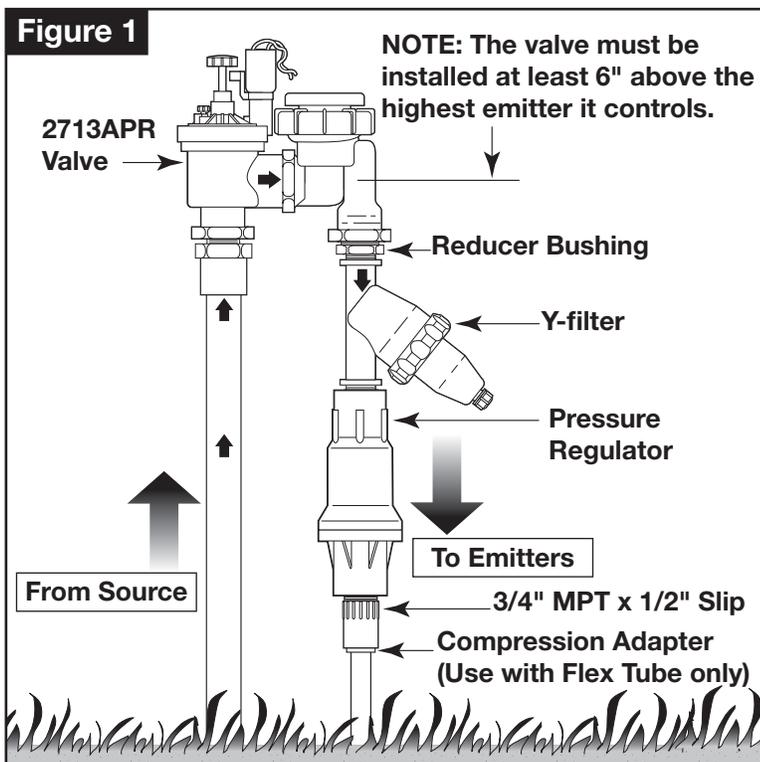
NOTE: Refer to the 2713APR Series Valve Instruction Guide provided in the kit for complete valve installation and operation information.

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.

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



Kit Components

- Irritrol 700 Series Valve, Model 700B-.75
- Pressure Regulator - 25 psi at 0.1–8 GPM, 3/4" Female NPT
- 3/4" MPT x MPT F Series Y-filter, 150 Mesh Screen
- Drip Line Compression Adapter, CA-710
- 3/4" MPT x 1/2" Slip Fitting

Specifications

- Downstream Pressure Regulation: 25 psi
- Flow Rate at 25 psi: 0.1–8 GPM
- Filtration: 150 Mesh Stainless Steel Screen
- 1" In-line Electric Control Valve, Model 700B-.75
 - ♦ 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. 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: Installing the valve assembly below grade in a valve box is recommended for protection and ease of service.

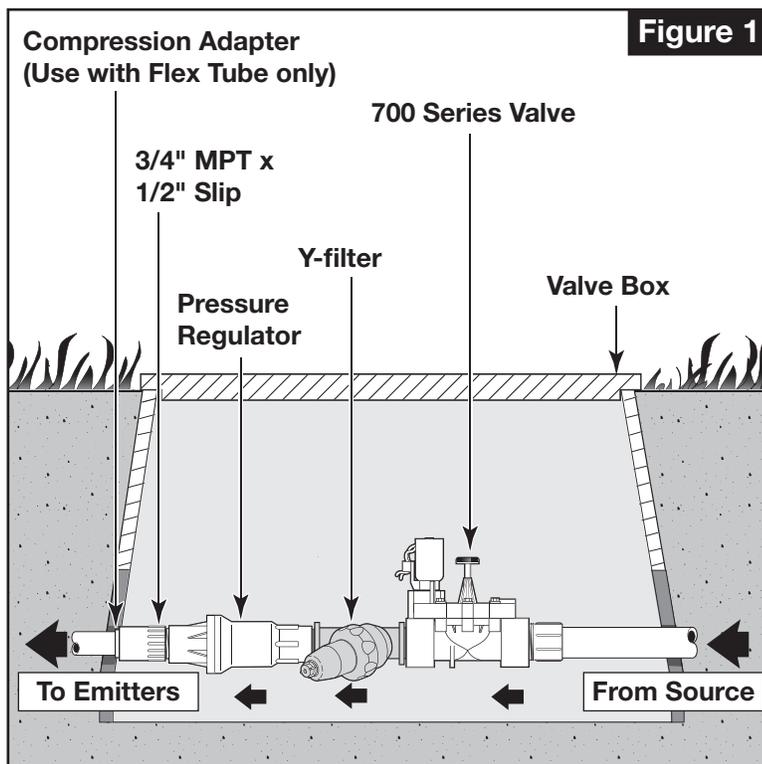
NOTE: Refer to the 700 Series Valve Instruction Guide provided in the kit for complete valve installation and operation information.

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.

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



Kit Components

- Irritrol 700 Series Valve, Model 700-1
- 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" In-line Electric Control Valve, Model 700-1
 - ♦ 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: Installing the valve assembly below grade in a valve box is recommended for protection and ease of service.

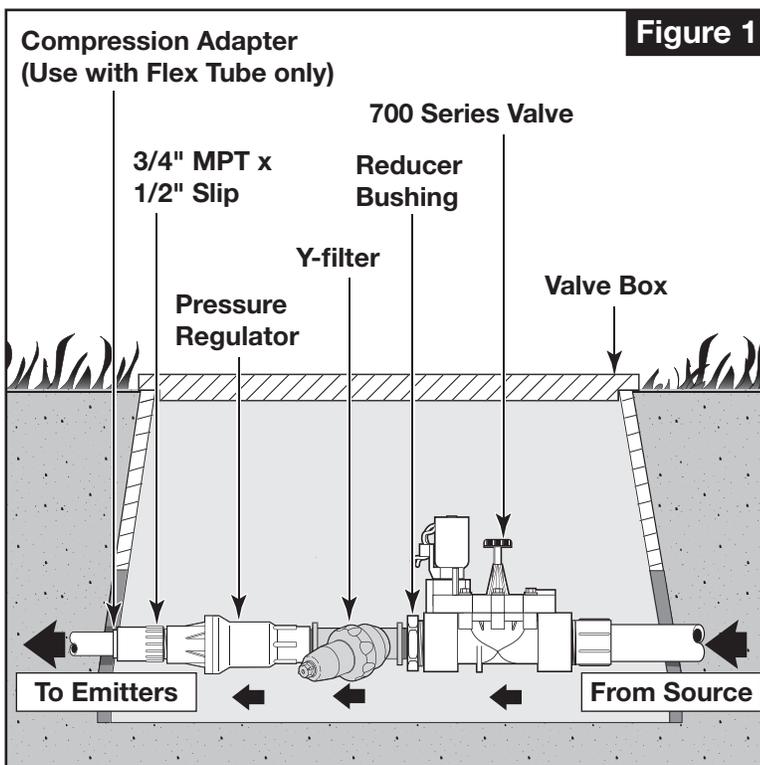
NOTE: Refer to the 700 Series Valve Instruction Guide provided in the kit for complete valve installation and operation information.

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.

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



Kit Components

- 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

- Maximum Supply Pressure: 150 psi
- 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

Installation Procedure

⚠ CAUTION: When assembling the drip zone 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 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 pressure regulator inlet into the Y-filter outlet.
2. Connect the water source supply line and piping to drip emitters.

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

NOTE: To adapt the Drip Zone 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.
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2.0	1–240	60–600

