

INSTALLATION, OPERATION AND MAINTENANCE INSTRUCTIONS RVSK SPOOL KIT

Temporary Spacer for RV03 Pressure Reducing Valves



WARNING:

You are required to thoroughly read all installation instructions and product safety information before beginning the installation of this product.

FAILURE TO READ AND FOLLOW PROPER INSTALLATION AND MAINTENANCE INSTRUCTIONS MAY RESULT IN PRODUCT FAILURE WHICH CAN CAUSE PROPERTY DAMAGE, PERSONAL INJURY AND/OR DEATH.

MGI CONTROLS® is not responsible for damages resulting from improper installation and/or maintenance. Installation of this valve shall be in accordance with *Uniform Plumbing Code*.

TO ENSURE ACCURATE AND RELIABLE OPERATION OF THIS PRODUCT, IT IS ESSENTIAL TO:

- Properly design the system to minimize pressure and temperature variations.

APPLICATION:

Series RVSK Spool Kits are designed as a temporary spacer in potable water systems. The face-to-face length of the spool piece matches that of the **CONTROLS®** RV03. These are intended for installation in newly constructed systems to both deter theft and help prevent valve damage caused by start-up debris. The Spool Kit permits testing of the piping for leaks and pressure loss while providing means to flush piping systems prior to installing the PRV. The kit allows for fast and easy replacement with the suitable Pressure Regulating Valve and features Lead Free construction suitable for water supply pressures up to 400psi (27.6bar) and temperatures up to 180°F (82.2°C).



Federal
Public Law
111-380
(No Lead)



Model RVSP-1CC Shown

NOTES TO THE INSTALLER:

1. Please leave this documentation with the owner of the fixture when finished.
2. Please read this entire booklet before beginning the installation.
3. Check your installation for compliance with plumbing and other applicable codes.

SUPPLIES REQUIRED:

(Not provided by MGI CONTROL®)

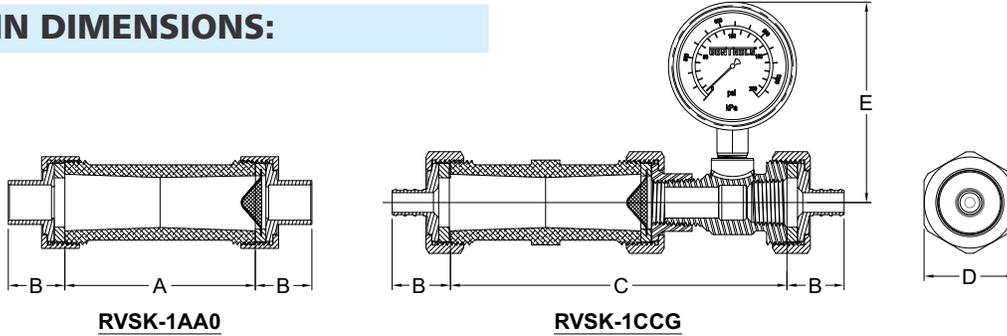
1. Teflon tape for sealing water connections.
2. Wrench.



IMPORTANT

- Flush supply lines of all foreign material such as pipe dope, chips or solder prior to connecting to mixing valve.
- To ensure proper installation, review the Manual thoroughly to verify dimensional details before beginning any work.
- Installation and field adjustment are the responsibility of the installer.
- Maximum water pressure is 400 PSI (2758kPa). Maximum temperature rating is 180°F (82°C).

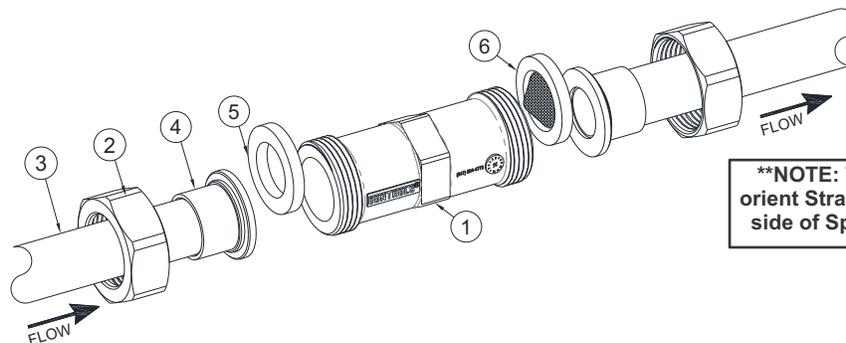
**FOR TECHNICAL ASSISTANCE
1-(847)-604-4773**

ROUGH-IN DIMENSIONS:


VALVE SIZE	ADAPTER	DIMENSION									
		A		B		C		D		E	
1/2"	Sweat	3-3/8"	86mm	1"	25mm	5-7/8"	149mm	1-5/8"	41mm	3-3/8"	86mm
	NPTF			7/8"	22mm						
	PEX-B			1"	25mm						
	CPVC			7/8"	22mm						
	Press Fit			1-1/4"	32mm						
	PEX-A			1-5/8"	41mm						
3/4"	Sweat	3-3/8"	86mm	1"	25mm	5-7/8"	149mm	1-5/8"	41mm	3-1/2"	89mm
	NPTF			7/8"	22mm						
	PEX-B			1"	25mm						
	CPVC			1-1/8"	29mm						
	Press Fit			1-3/8"	35mm						
	Pex-A			1-7/8"	48mm						
1"	Sweat	3-7/8"	98mm	1-1/8"	29mm	6-3/4"	171mm	1-7/8"	48mm	3-5/8"	92mm
	NPTF			1"	25mm						
	PEX-B			1-1/8"	29mm						
	CPVC			1-1/8"	29mm						
	Press Fit			1-3/8"	35mm						
	PEX-A			2"	51mm						
1-1/4"	Sweat	5"	127mm	1-1/4"	32mm	8"	203mm	2-3/8"	60mm	3-7/8"	98mm
	NPTF			1-1/8"	29mm						
	PEX-B			1-1/4"	32mm						
	CPVC			1-1/4"	32mm						
	Press Fit			1-5/8"	41mm						
	PEX-A			2-3/8"	60mm						

INSTALLATION: -CU & -CPVC

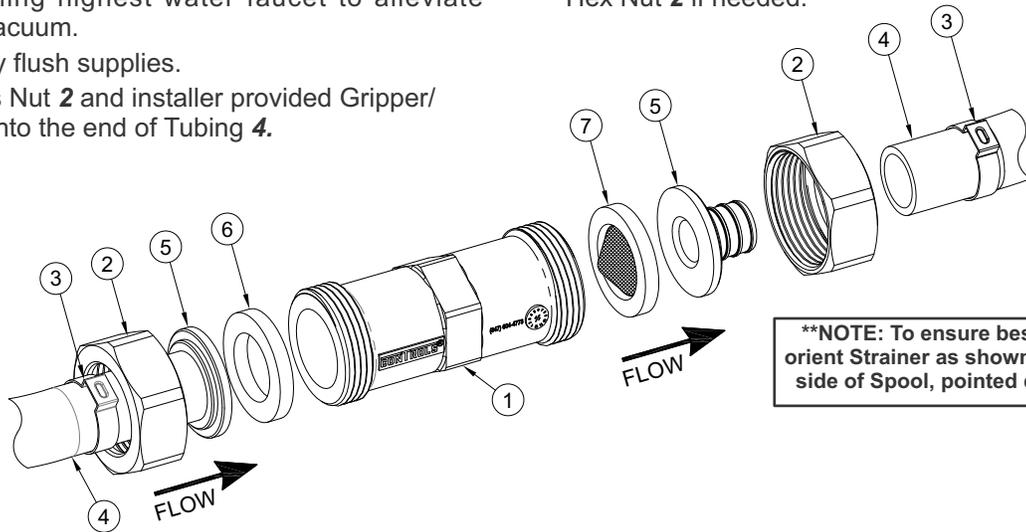
1. Locate spool Kit **1** in a suitable place accessible for servicing and adjusting of future **CONTROLS**[®] RV03 PRV.
2. Turn OFF water supply prior to installing Spool Kit.
3. Drain water lines by opening lowest water faucet, then opening highest water faucet to alleviate possible vacuum.
4. Thoroughly flush supplies.
5. Slide Brass Nut **2**, onto supply and outlet Tubing **3**.
6. Insert Tubing Adapter **4** onto the end of the Tubing **3**,
 - a. For -CU sweat Adapter **4** to Tube
 - b. For -CPVC Glue Adapter **4** to end of tubing using appropriate PVC Pipe Cement.
7. Insert Gasket **5** and Gasket/Strainer **6** between Spool body **1** and Adapter **4** then tighten Hex Nut **2**. (Refer to Strainer Note below **)
8. Slowly turn on supplies, check for leaks and tighten Hex Nut **2** if needed.



****NOTE:** To ensure best operation, orient Strainer as shown on upstream side of Spool, pointed downstream.

INSTALLATION: -PEX

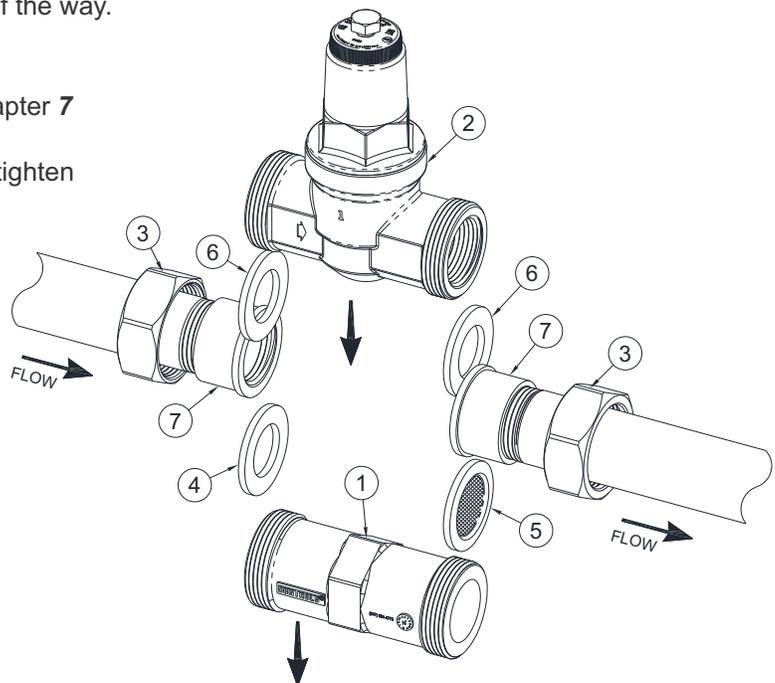
1. Locate Spool Kit **1** in a suitable place accessible for servicing and adjusting of future **CONTROLS®** RV03 PRV.
2. Ensure water supply is OFF prior to installing Spool Kit.
3. Drain water lines by opening lowest water faucet, then opening highest water faucet to alleviate possible vacuum.
4. Thoroughly flush supplies.
5. Slide Brass Nut **2** and installer provided Gripper/ Clamp **3** onto the end of Tubing **4**.
6. Insert PEX Adapter **5** into Tubing **4** and tighten Crimp Rings **3**.
7. Insert Gasket **6** and Gasket Strainer **7** between Spool Body **1** and Adapter **3** then tighten Hex Nut **2**. (Refer to Strainer Note below**.)
8. Slowly turn on supplies, check for leaks and tighten Hex Nut **2** if needed.



****NOTE:** To ensure best operation, orient Strainer as shown on upstream side of Spool, pointed downstream.

REPLACING RVSK SPOOL WITH PRV:

1. Ensure water supply is turned OFF prior to removing Spool Body **1** and installing PRV **2** (Pressure Reducing Valve).
2. Drain water lines by opening lowest water faucet, then opening highest water faucet to alleviate possible vacuum.
3. Loosen Hex Nuts **3** down the water line out of the way.
4. Remove Spool Body **1**, Rubber Gasket **4** and Gasket Strainer **5**.
5. Insert new Gasket **6** between PRV **2** and Adapter **7** then tighten Hex Nut **3**.
6. Slowly turn on supplies, check for leaks and tighten Hex Nut **3** if needed.



ADAPTER GASKET KITS	
VALVE SIZE	KIT NUMBER (10 PK)
RVSK-1	7816-128-001
RVSK-2	7816-128-001
RVSK-3	7852-205-001
RVSK-4	7853-205-001