

Series 719

Double Check Valve Assembly

Sizes: ½" – 2" (15 – 50mm)

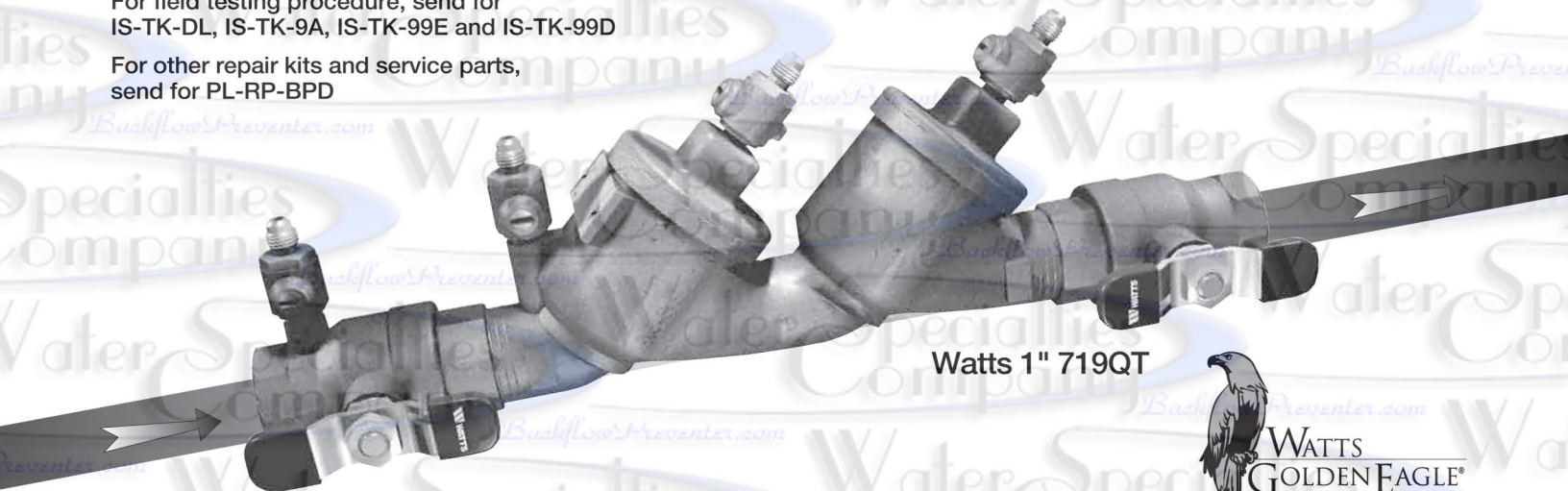
- Installation
- Service
- Repair Kits
- Maintenance

For field testing procedure, send for IS-TK-DL, IS-TK-9A, IS-TK-99E and IS-TK-99D

For other repair kits and service parts, send for PL-RP-BPD

WATTS® REGULATOR

Water Specialties Company



Watts 1" 719QT



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IMPORTANT: Inquire with governing authorities for local installation requirements.

NOTE: For Australia and New Zealand: Pipeline strainers should be installed between the upstream shutoff valve and the inlet of the backflow preventer.

Watts product specifications in U.S. customary units and metric are approximate and are provided for reference only. For precise measurements, please contact Watts Technical Service. Watts reserves the right to change or modify product design, construction, specifications, or materials without prior notice and without incurring any obligation to make such changes and modifications on Watts products previously or subsequently sold.

CALIFORNIA PROPOSITION 65 WARNING

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. (California law requires this warning to be given to customers in the State of California.)

For more information: www.watts.com/prop65

Limited Warranty: Watts Regulator Co. (the "Company") warrants each product to be free from defects in material and workmanship under normal usage for a period of one year from the date of original shipment. In the event of such defects within the warranty period, the Company will, at its option, replace or recondition the product without charge.

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The remedy described in the first paragraph of this warranty shall constitute the sole and exclusive remedy for breach of warranty, and the Company shall not be responsible for any incidental, special or consequential damages, including without limitation, lost profits or the cost of repairing or replacing other property which is damaged if this product does not work properly, other costs resulting from labor charges, delays, vandalism, negligence, fouling caused by foreign material, damage from adverse water conditions, chemical, or any other circumstances over which the Company has no control. This warranty shall be invalidated by any abuse, misuse, misapplication, improper installation or improper maintenance or alteration of the product.

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Installation Instructions

Series 719 Double Check Valve Assemblies

⚠ CAUTION: Do not install with strainer when backflow preventer is used on seldom-used water lines which are called upon during emergencies, such as fire sprinkler lines, etc. It is important that Series 719 be tested periodically in compliance with local codes but at least once a year or more often depending upon system conditions. Regular inspection, testing and cleaning assures maximum life and proper product function.

NOTE: Fire Protection System Installations

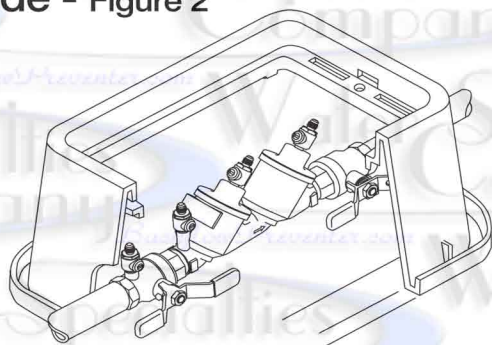
The National Fire Protection Agency (NFPA) Guidelines require a confirming flow test to be conducted whenever a "main line" valve such as the shutoff valves or a backflow assembly have been operated. Certified testers of backflow assemblies must conduct this test. The trim valves of the confirming flow test must be closed during the test. When the test is completed, the trim valves must be returned to a fully open position.

Indoors - Figure 1

Check local codes for installation requirements. Pipe lines should be thoroughly flushed to remove foreign material before installing the unit. A strainer should be installed as shown, ahead of backflow preventer to prevent disc from unnecessary fouling. Install valve in the line with arrow on valve body pointing in the direction of flow.

For indoor installations, it is important that the valve be easily accessible to facilitate testing and servicing. Do not install in a concealed location.

Outside - Figure 2



Meter Box Installation

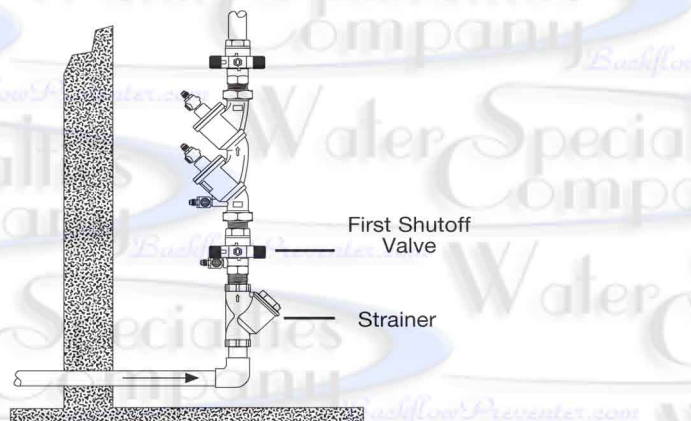
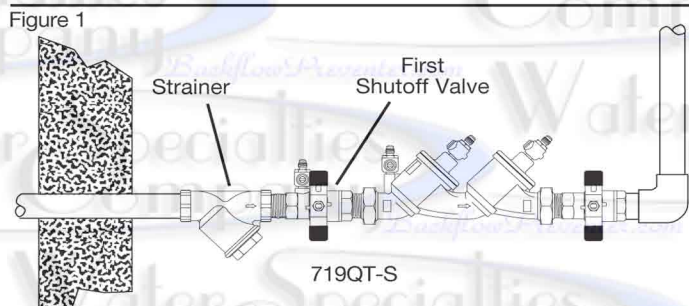
Parallel - Figure 3

Where approved by code, Watts recommends a custom engineered Watts PVS Series water supply valve station consisting of two or more 719 Series valves piped in parallel to serve a larger supply main. This type of installation is employed whenever it is required to maintain water flow to a facility. Typical applications include hospitals, multi-family dwellings, malls and other similar applications.

A properly designed Watts PVS valve station provides redundant flow paths, a continuous supply of adequate water, testing and servicing of an individual valve without supply interruption, and long service life.

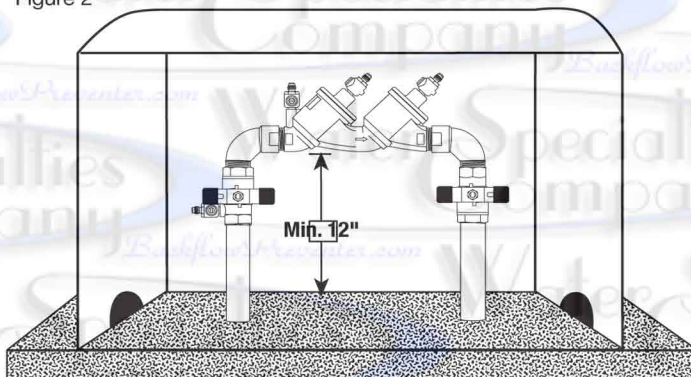
The size, quantities and design of parallel valve installations should be exactly in accordance with the engineer's judgment.

Figure 1



719QT-S Vertical flow-up or vertical flow-down installation (flow-up shown)

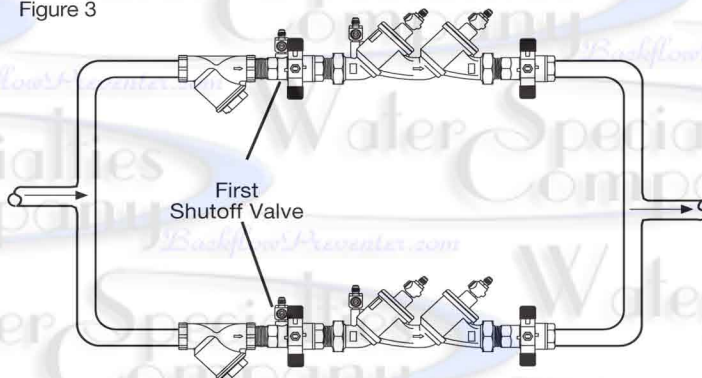
Figure 2



Fiberglass WattsBox

Now Available, WattsBox Insulated Enclosures.
For more information, send for ES-WB or ES-WB-T.

Figure 3



719QT-S

Service, Replacement Parts and Maintenance

Servicing the First and Second Check Valves

NOTE: Before servicing, be certain water is turned off or shutoff valves are closed

1. Close shutoff valves up and downstream of the valve.
2. Using an appropriate sized wrench, loosen the check valve cover. Unscrew the check valve cover and lift off.
3. Remove spring.
4. Lift out disc holder assembly from body of valve.
5. To reverse the seat disc, unscrew disc screw and disassemble disc washer and disc rubber from disc holder assembly. Reverse rubber so opposite face is showing. Assemble disc screw through disc washer and rubber and screw into disc holder.
6. To replace seat module, pull out of body by gripping at reinforcement ring. Replace seat module with new component by placing into body seat bore. Tightening cover will engage seat properly.
7. Insert disc holder assembly back into seat module.
8. Replace spring insuring that it seats properly on disc holder.
9. Place cover onto spring with internal guide on cover positioned inside end coil.
10. Screw cover onto valve body.
11. Tighten cover wrench tight.
12. Open shutoff valves.

1/2" – 2" (15 – 50mm) Repair Kits

When ordering, specify ordering code number, kit number and valve size

1st or 2nd Check Kits

ORDERING CODE	KIT NO.	SIZE	
		in.	mm
0888100	RK 719R10 CK4	1/2 – 3/4	15-20mm
0889060	RK 719 CK4	1/2	15mm
0889061	RK 719 CK4	3/4	20mm
0889062	RK 719 CK4	1	25mm
0888101	RK 719 CK4	1 1/4 – 1 1/2	32-40mm
0888102	RK 719 CK4	2	50mm

Kit consists of: Disc holder, Spring and Cover O-ring

1st or 2nd Check Rubber Parts Kits

0888103	RK 719R10 RC4	1/2 – 3/4	15-20mm
0889063	RK 719 RT	1/2	15mm
0889064	RK 719 RT	3/4	20mm
0889065	RK 719 RT	1	25mm
0888104	RK 719 RT	1 1/4 – 1 1/2	32-40mm
0888105	RK 719 RT	2	50mm

Kit consists of: Disc rubber, Seat O-ring and Cover O-ring

1st or 2nd Check Seat Kits

0888997	RK 719R10 S	1/2 – 3/4	15-20mm
0889069	RK 719 S	1/2	15mm
0889070	RK 719 S	3/4	20mm
0889071	RK 719 S	1	25mm
0888998	RK 719 S	1 1/4 – 1 1/2	32-40mm
0888999	RK 719 S	2	50mm

Kit consists of: Seat, Seat O-ring and Cover O-ring

1st or 2nd Check Cover Kits

0888106	RK 719R10 C	1/2 – 3/4	15-20mm
0889066	RK 719 C	1/2	15mm
0889067	RK 719 C	3/4	20mm
0889068	RK 719 C	1	25mm
0888107	RK 719 C	1 1/4 – 1 1/2	32-40mm
0888108	RK 719 C	2	50mm

Kit consists of: Cover and Cover O-ring.

