

Water Specialties
Company

WATTS[®]
REGULATOR

Series 719 Double Check Valve Assemblies

Sizes: ½" – 2" (15 – 50mm)

Series 719 Double Check Valve Assemblies are designed to protect drinking water supplies from dangerous cross-connections in accordance with national plumbing codes and water authority requirements.

This series may be used in only those cross-connections identified by local inspection authorities as non-health hazard applications. Check with local authority having jurisdiction regarding vertical orientation, frequency of testing or other installation requirements. Series 719 meets the requirements of ASSE Std. 1015 and AWWA Std. C510.



719QT

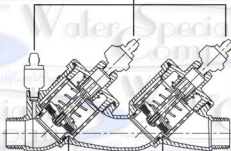
Features

- Manufactured from bronze alloy
- Separate access, top entry check valve design
- Reversible seat disc rubber, extends check valve life
- Chloramine resistant elastomers
- Replaceable seats and seat discs
- Compact design
- Top mounted screwdriver slotted ball valve test cocks
- Low pressure drop
- ½" – 1" (15 – 25mm) have Tee handles
- No special tools required for servicing
- Plastic on plastic check guiding reduces potential binding due to mineral deposits

Specifications

Series 719 Double Check Valve Assembly shall be installed at each noted location. Provide assembly with integral shutoff valves that conform to ASSE 1015 and AWWA C510. The assembly shall have top entry bronze covered access points for each check assembly, screw driver slotted test cocks and require the use of no special tools for servicing. All wetted rubber parts shall be manufactured from silicone or chloramine resistant EPDM rubber. All valve seats and seat discs shall be replaceable. Seat discs shall be reversible to extend check valve life. Check valve guiding shall be plastic to plastic. The assembly shall be a Watts Regulator Company Series 719.

Test Cocks



First Check Assembly

Second Check Assembly

**IMPORTANT: INQUIRE WITH GOVERNING AUTHORITIES
FOR LOCAL INSTALLATION REQUIREMENTS**

Available Models

Suffix:

- S – bronze strainer
- LF – without shutoff valves
- LH – locking handle ball valves
- SH – stainless steel ball valve handles
- HC – 2½" (65mm) inlet/outlet fire hydrant fittings for 2" (50mm) valve
- QT – quarter-turn ball valves
- C&T – testcock caps and tethers
- AQT – street elbows with quarter-turn ball valves

Prefix:

- U – union connections

Pressure-Temperature

Operating Pressure: 175psi (12.1 bar)

Operating Temperature Range: 33F – 180F (0.5C – 82C)

Materials

- Body: Bronze
- Elastomers: Chloramine resistant silicone and EPDM
- Check Seats: Engineered Plastic
- Disc Holders: Engineered Plastic

Standards

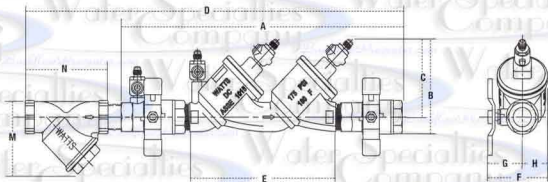
AWWA Std C510 compliant

Approvals



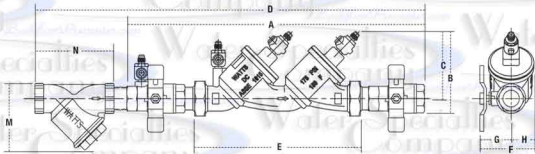
Approved by the Foundation for Cross-Connection Control and Hydraulic Research at the University of Southern California

Dimensions/Weights



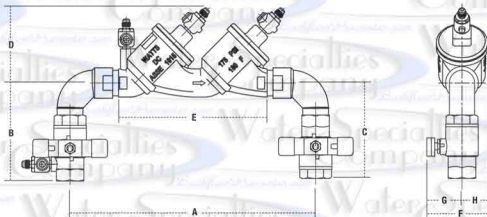
719QT, 719QT-S

SIZE (DN)	DIMENSIONS								STRAINER DIMENSIONS				WEIGHT	
	A	B	C	D	EL(F)	F	G	H	M	N	719QT	719QT-S		
in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	lbs kgs	lbs kgs		
½ 15	9 ³ / ₁₆ 242	3 ¹¹ / ₁₆ 94	2 ¹³ / ₁₆ 73	12 ⁹ / ₁₆ 318	5 ¹³ / ₁₆ 147	2 ⁷ / ₁₆ 62	1 ¹¹ / ₁₆ 43	¾ 19	1 ¹ / ₂ 35	2 ¹ / ₄ 70	2.8 1.3	3.8 1.7		
¾ 20	12 ¹ / ₁₆ 307	4 ¹ / ₁₆ 108	3 ¹ / ₂ 88	15 ⁷ / ₁₆ 393	7 ¹¹ / ₁₆ 195	3 ¹ / ₁₆ 79	2 ¹ / ₁₆ 52	1 ¹ / ₁₆ 27	1 ³ / ₁₆ 41	3 ⁹ / ₁₆ 81	4.7 2.1	6.4 2.9		
1 25	14 ¹³ / ₁₆ 376	4 ⁹ / ₁₆ 116	3 ⁷ / ₈ 98	19 ¹ / ₁₆ 495	9 ³ / ₈ 244	3 ³ / ₈ 95	2 ⁷ / ₁₆ 62	1 ¹ / ₂ 33	2 ¹ / ₁₆ 54	3 ³ / ₄ 95	7.4 3.4	9.4 4.3		
1¼ 32	18 ¹⁵ / ₁₆ 480	6 ¹ / ₁₆ 156	5 ¹ / ₂ 129	24 ¹ / ₁₆ 610	11 ¹¹ / ₁₆ 297	4 ¹ / ₁₆ 108	2 ³ / ₁₆ 67	1 ¹ / ₂ 41	2 ¹ / ₂ 64	4 ¹ / ₁₆ 113	14.0 6.3	18.0 8.1		
1½ 40	18 ¹⁵ / ₁₆ 480	6 ¹ / ₁₆ 156	5 ¹ / ₂ 129	25 ¹ / ₄ 640	11 ¹¹ / ₁₆ 297	4 ¹ / ₄ 121	3 ¹ / ₁₆ 79	1 ¹ / ₂ 41	3 76	4 ⁷ / ₁₆ 124	16.1 7.3	19.9 9.0		
2 50	21 ⁹ / ₁₆ 538	7 ¹ / ₁₆ 179	5 ¹ / ₂ 142	28 ¹³ / ₁₆ 735	13 ³ / ₈ 340	5 ¹ / ₄ 137	3 ⁷ / ₁₆ 87	1 ¹³ / ₁₆ 49	3 ⁹ / ₁₆ 90	5 ¹³ / ₁₆ 151	25.7 11.6	33.4 15.2		



U719QT, U719QT-S

SIZE (DN)	DIMENSIONS										STRAINER DIMENSIONS		WEIGHT												
	A	B	C	D	E (L.F.)	F	G	H	M	N	U719QT lbs. kgs.	U719QT-S lbs. kgs.													
1/2	15 15 ¹³ / ₁₆	402	4 ⁹ / ₁₆	116	3 ⁷ / ₈	98	18 ¹³ / ₁₆	478	11 ⁷ / ₈	289	3	76	1 ¹¹ / ₁₆	43	1 ⁹ / ₁₆	33	1 ³ / ₈	35	2 ¹ / ₄	70	7.4	3.4	8.4	3.8	
3/4	20	16 ¹ / ₄	412	4 ⁹ / ₁₆	116	3 ⁷ / ₈	98	19 ³ / ₈	498	11 ¹ / ₂	287	3 ³ / ₈	86	2 ¹ / ₁₆	52	1 ⁹ / ₁₆	33	1 ¹ / ₂	41	3 ³ / ₈	81	7.9	3.6	9.7	4.4
1	25	17 ³ / ₁₆	439	4 ⁹ / ₁₆	116	3 ⁷ / ₈	98	22	558	11 ³ / ₄	297	3 ³ / ₄	95	2 ¹ / ₁₆	62	1 ⁹ / ₁₆	33	2 ¹ / ₈	54	3 ³ / ₈	95	8.9	4.0	10.9	5.0
1 1/4	32	20 ⁷ / ₈	530	6 ¹ / ₈	156	5 ¹ / ₈	129	26	660	15 ³ / ₈	390	4 ¹ / ₄	108	2 ⁹ / ₁₆	67	1 ⁵ / ₈	41	2 ¹ / ₂	64	4 ⁷ / ₈	113	17.6	8.0	21.6	9.8
1 1/2	40	21 ¹ / ₂	547	6 ¹ / ₈	156	5 ¹ / ₈	129	27 ¹ / ₈	708	15 ³ / ₈	390	4 ¹ / ₄	121	3 ³ / ₈	79	1 ⁵ / ₈	41	3	76	4 ¹ / ₈	124	19.8	9.0	23.5	10.7
2	50	24 ¹ / ₈	621	7 ¹ / ₈	179	5 ⁷ / ₈	142	32 ³ / ₁₆	817	16 ¹ / ₄	425	5 ³ / ₈	137	3 ⁷ / ₁₆	87	1 ¹⁵ / ₁₆	49	3 ⁷ / ₈	90	5 ¹ / ₈	151	30.0	13.6	37.7	17.1

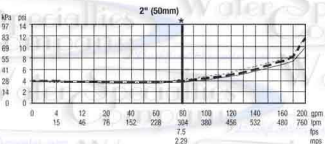
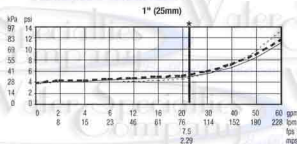
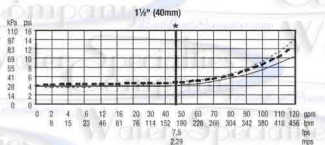
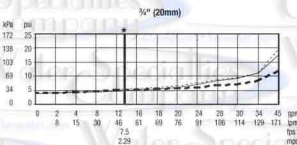
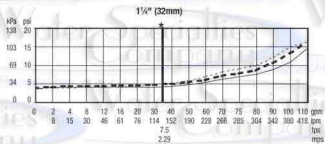
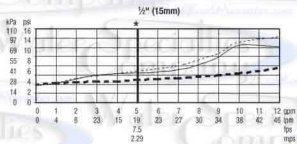


719AQT

SIZE (DN)	DIMENSIONS										WEIGHT								
	A	B	C	D	E (L.F.)	F	G	H			lbs.	kgs.							
1/2	15	7 ⁷ / ₈	200	3 ⁹ / ₁₆	84	2 ¹⁵ / ₁₆	73	2 ⁹ / ₁₆	73	5 ⁹ / ₁₆	147	2 ⁷ / ₁₆	62	1 ¹¹ / ₁₆	43	3/4	19	3.4	1.5
3/4	20	13 ¹ / ₁₆	340	4 ¹ / ₁₆	121	4 ⁹ / ₁₆	116	3 ¹ / ₂	98	7 ¹ / ₁₆	195	3 ¹ / ₈	79	2 ¹ / ₁₆	52	1 ¹ / ₁₆	27	5.7	2.6
1	25	12 ¹¹ / ₁₆	322	5	127	4 ³ / ₈	110	3 ⁷ / ₈	98	9 ³ / ₈	244	3 ³ / ₈	95	2 ⁷ / ₁₆	62	1 ⁹ / ₁₆	33	8.9	4.0
1 1/4	32	15 ³ / ₁₆	386	5 ¹ / ₁₆	144	5 ¹ / ₁₆	144	5 ¹ / ₈	129	11 ¹ / ₁₆	297	4 ¹ / ₄	108	2 ⁵ / ₁₆	67	1 ⁵ / ₈	41	15.7	7.1
1 1/2	40	15 ¹ / ₁₆	401	6 ³ / ₁₆	156	6 ³ / ₁₆	156	5 ⁷ / ₈	129	11 ¹ / ₁₆	297	4 ³ / ₄	121	3 ¹ / ₈	79	1 ⁵ / ₈	41	18.4	8.3
2	50	17 ³ / ₈	441	6 ³ / ₈	168	6 ³ / ₁₆	167	5 ³ / ₈	142	13 ³ / ₈	340	5 ³ / ₈	137	3 ⁷ / ₁₆	87	1 ¹⁵ / ₁₆	49	29.0	13.1

Capacities

* Typical maximum flow rate (7.5 feet/sec.)



A Watts Water Technologies Company



ISO 9001-2008
CERTIFIED

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