

WATTS SERIES 009 RP03 VALVE ASSEMBLIES

Series 009

Reduced Pressure Zone Assemblies

Sizes: 1/4" – 2"

Series 009 Reduced Pressure Zone Assemblies are designed to protect potable water supplies in accordance with national plumbing codes and water authority requirements. This series is designed to protect drinking water supplies from dangerous cross-connections in accordance with national plumbing codes and water authority requirements for non-potable service applications such as irrigation, fireline, or industrial processing.

This series features two in-line, independent check valves, captured springs and replaceable check seats with an intermediate relief valve. Its compact modular design facilitates easy maintenance and assembly access. Sizes 1/4" – 1" shutoffs have tee handles.

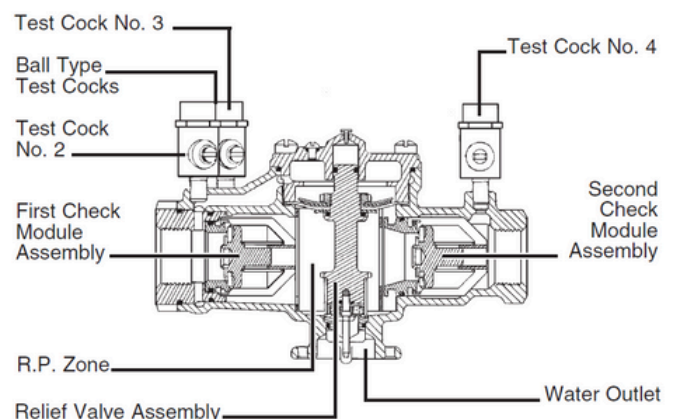
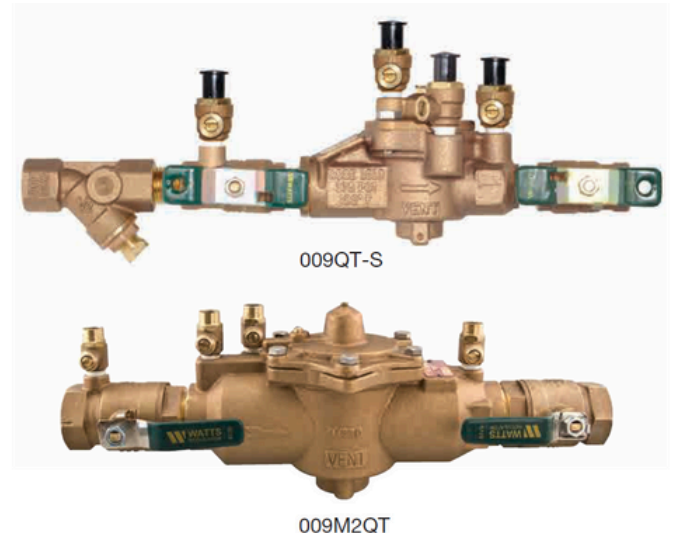
Features

- Single access cover and modular check construction for ease of maintenance
- Top entry - all internals immediately accessible
- Captured springs for safe maintenance
- Internal relief valve for reduced installation clearances
- Replaceable seats for economical repair
- Bronze body construction for durability 1/4" – 2"
- Ball valve test cocks — screwdriver slotted 1/4" – 2"
- Large body passages provides low pressure drop
- Compact, space saving design
- No special tools required for servicing

Specifications

A Reduced Pressure Zone Assembly shall be installed at each potential health hazard location to prevent backflow due to backsiphonage and/or backpressure. The assembly shall consist of an internal pressure differential relief valve located in a zone between two positive seating check modules with captured springs and silicone seat discs. Seats and seat discs shall be replaceable in both check modules and the relief valve. There shall be no threads or screws in the waterway exposed to line fluids. Service of all internal components shall be through a single access bronze cover secured with stainless steel bolts. The assembly shall also include two resilient seated isolation valves, four resilient seated test cocks and an air gap drain fitting.

The assembly shall meet the requirements of: USC; ASSE Std. 1013; AWWA Std. C511-92; CSA B64.4. Shall be a Watts Series 009.



Now Available

WattsBox Insulated Enclosures.

For more information, send for literature ES-WB.

NOTICE

Inquire with governing authorities for local installation requirements

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.



WATTS SERIES 009 RP03 VALVE ASSEMBLIES

Available Models: 1/4" – 2"

Suffix:

QT – quarter-turn ball valves

S – bronze strainer

LF – without shutoff valves

AQT – elbow fittings for 360° rotation 3/4" – 2" only

PC – internal Polymer Coating

SH – stainless steel ball valve handles

HC – 21 1/2" inlet/outlet fire hydrant fitting (2" valve)

Prefix:

C – clean and check strainer

3 4" – 1" only

U – union connections (see ES-U009)

Material

1/4" - 2"

Bronze body construction, silicone rubber disc material in the first and second check plus the relief valve. Replaceable polymer check seats for first and second checks. Removable stainless steel relief valve seat. Stainless steel cover bolts.

Standardly furnished with NPT body connections. For optional bronze union inlet and outlet connections, specify prefix U (1 1/2" – 2"). Series 009QT furnished with quarter turn, full port, resilient seated, bronze ball valve shutoffs.

A+NZ model in DR brass with BSP body connections

Pressure / Temperature

Series 009 1 4" – 2" Suitable for supply pressure up to 203psi (14 bar). Water temperature: 33°F – 194°F (0.5°C – 90°C).

Standards

USC

ASSE No. 1013

AWWA C511-92

CSA B64.4

IAPMO

AS/NZS 2845.1

File No. 1563.

† Does not indicate approval status. See below for approved models.

Approvals

ASSE, AWWA, CSA, IAPMO, WaterMark

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

UL Classified 3/4" – 2"

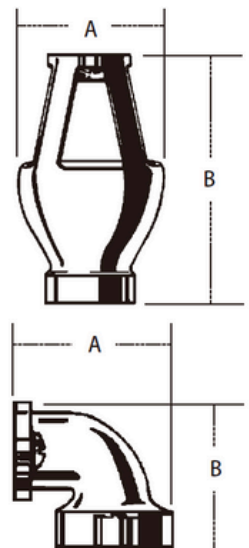
(LF models only except 009M3LF)

WaterMark applicable to A+NZ models

Air Gaps and Elbows

MODEL	for 909, 009 and 993 sizes	DRAIN OUTLET		DIMENSIONS				WEIGHT	
		in.	mm	A		B		lbs.	kgs.
909AGA	1/4" - 1/2" 009, 3/4" 009M2/M3	1/2	13	2 3/8	60	3 1/8	79	0.625	0.28
909AGC	3/4" - 1" 009/909, 1" - 1 1/2" 009M2	1	25	3 1/4	83	4 7/8	124	1.5	0.68
909AGF	1 1/4" - 2" 009M1, 1 1/4" - 3" 009/909, 2" 009M2, 4" - 6" 993	2	51	4 3/8	111	6 3/4	171	3.25	1.47
909AGK	4" - 6" 909, 8" - 10" 909M1	3	76	6 3/8	162	9 5/8	244	6.25	2.83
909AGM	8" - 10" 909	4	102	7 3/8	187	11 1/4	286	15.5	7.03
909ELA	1/4" - 1/2" 009, 3/4" 009M2/M3	-	-	-	-	-	-	-	-
909ELC	3/4" - 1" 009/909	-	-	2 3/8	60	2 3/8	60	0.38	0.17
* 909ELF	1 1/4" - 2" 009M1, 1 1/4" - 2" 009/909, 2" 009M2, 4" - 6" 993	-	-	3 3/8	92	3 3/8	92	2	0.91
* 909ELH Vertical	2 1/2" - 3" 009/909	-	-	-	-	-	-	-	-

* Epoxy coated

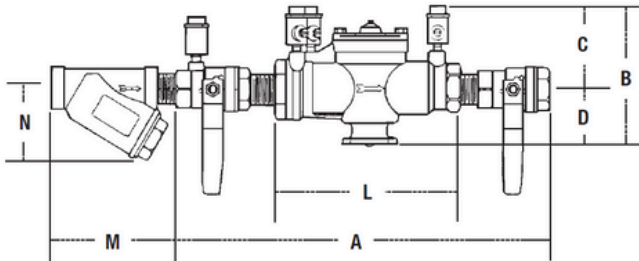


WATTS SERIES 009 RP03 VALVE ASSEMBLIES

Dimensions - Weights

Models

Sizes 1/4" - 2"



009 1/4" - 2"

SIZE			DIMENSIONS (APPROX.)								STRAINER DIMENSIONS				WEIGHT	
	A		B		C		D		L		M		N			
<i>in.</i>	<i>in.</i>	<i>mm</i>	<i>in.</i>	<i>mm</i>	<i>in.</i>	<i>mm</i>	<i>in.</i>	<i>mm</i>	<i>in.</i>	<i>mm</i>	<i>in.</i>	<i>mm</i>	<i>in.</i>	<i>mm</i>	<i>lbs.</i>	<i>kgs.</i>
¼	10	250	4⅝	117	3⅜	86	1¼	32	5½	140	2⅜	60	2½	64	5	2
⅜	10	250	4⅝	117	3⅜	86	1¼	32	5½	140	2⅜	60	2½	64	5	2
½	10	250	4⅝	117	3⅜	86	1¼	32	5½	140	2¾	70	2¼	57	5	2
¾	10¾	273	5	127	3½	89	1½	38	6¾	171	3⅜	81	2¾	70	6	3
1	14½	368	5½	140	3	76	2½	64	9½	241	3¾	95	3	76	12	5
1¼	17⅜	441	6	150	3½	89	2½	64	11⅜	289	4⅞	113	3½	89	15	6
1½	17⅞	454	6	150	3½	89	2½	64	11⅞	283	4⅞	124	4	102	16	7
2	21⅜	543	7¾	197	4½	114	3¾	83	13½	343	5⅞	151	5	127	30	13

Suffix HC - Fire Hydrant Fittings dimension 'A' = 25"

WATTS SERIES 009 RP03 VALVE ASSEMBLIES

Capacity

Performance as established by an independent testing laboratory.

*Typical maximum system flow rate (7.5 feet/sec., 2.3 meters/sec.)

