

Series 009

Reduced Pressure Zone Assemblies

Sizes: 8 – 80mm

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 can be used in a variety of installations, including the prevention of health hazard cross connections in piping systems or for containment at the service line entrance.

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.

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 8 – 50mm
- Fused epoxy coated cast iron body 65 and 80mm
- Ball valve test cocks — screwdriver slotted 8 – 50mm
- BSP body connections
- 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 cover secured with stainless steel bolts. This assembly shall also include three resilient seated test cocks. The assembly shall meet the requirements of: USC Manual 8th Edition†; ASSE Std. 1013; AWWA Std. C511; CSA B64.4. Shall be a Watts Regulator Co. Series 009.

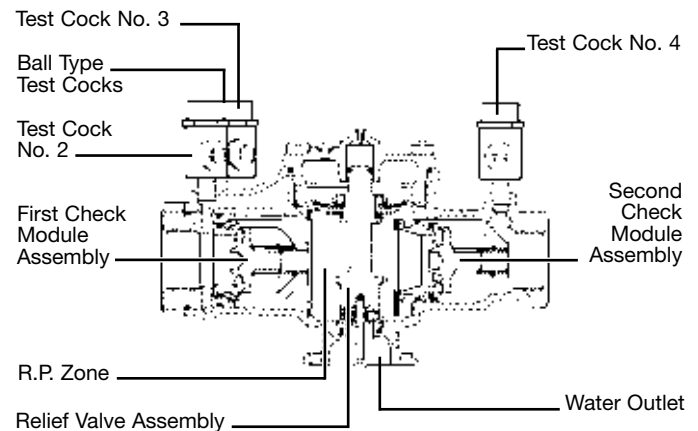
†Does not indicate approval status. Refer to Page 2 for approved sizes & models.



15mm 009LF



50mm 009LFM2



IMPORTANT: INQUIRE WITH GOVERNING AUTHORITIES FOR LOCAL INSTALLATION REQUIREMENTS

Represented by:

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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.

ISO 9001
CERTIFIED

WATTS

USA: 815 Chestnut St., No. Andover, MA 01845-6098; www.watts.com

Canada: 5435 North Service Rd., Burlington, ONT. L7L 5H7; www.wattscanada.ca

Backflow Prevention Products

Available Models: 8 – 50mm

Suffix:

LF – without shutoff valves
 PC – internal Polymer Coating

Available Models: 65 – 80mm

Suffix:

LF – without shutoff valves

Note: The installation of a drain line is recommended. When installing a drain line, an air gap is necessary (see ES-AG).

Materials: 8 – 50mm

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.

Body – Bronze

First and Second Check – Silicone rubber disc

Relief Valve – Silicone rubber disc

Check Seats – Replaceable polymer

Relief Valve Seat – Removeable stainless steel

Cover Bolts – Stainless Steel

Materials: 65 – 80mm

- (FDA approved) Epoxy coated cast iron unibody with bronze seats
- Relief valve with stainless steel seat and trim
- Bronze body ball valve test cocks

Pressure / Temperature

Pressure: 1207 kPa

Temperature: -3°C -75°C.

43°C continuous; 60°C intermittent for sizes 65mm and 80mm



Approvals

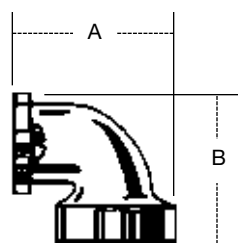
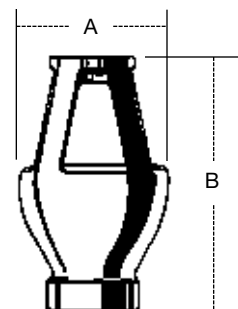
ASSE, AWWA, CSA, IAPMO

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

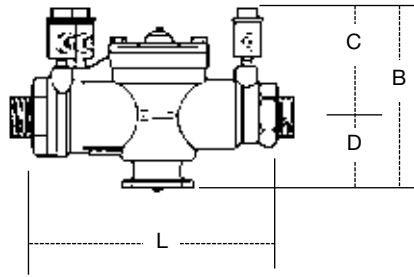
UL Classified 20 – 50mm (LF models only)

Air Gaps and Elbows

MODEL	DRAIN OUTLET	DIMENSIONS		WEIGHT	
	for 909 and 009 sizes	mm	A mm	B mm	.kgs.
909AG-A	8 – 15mm 009, 20mm 009M2/M3	13	60	79	.28
909AG-C	20 – 25mm 009/909, 25 – 40mm 009M2	25	83	124	.68
909AG-F	32 – 50mm 009M1, 32 – 80mm 009/909, 50mm 009M2, 100 – 150mm 993	51	111	171	1.47
909AG-K	100 – 150mm 909, 200 – 250 909M1	76	162	243	2.83
909AG-M	200 – 250 909	102	187	394	7.03
909EL-A	8 – 15mm 009, 20mm 009M2/M3	–	–	–	–
909EL-C	20 – 25mm 009/909,	–	60	60	.17
* 909EL-F	32 – 50mm 009M1, 32 – 50mm 009/909, 50mm 009M2	–	92	92	.91
* 909EL-H Vertical	65 - 80mm 009/909	–	–	–	–



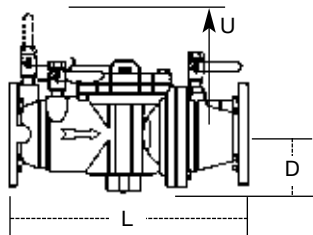
Dimensions and Weight: 8 – 50mm 009



009 8 – 50mm

SIZE (DN)	DIMENSIONS (APPROX.)				WEIGHT
<i>mm</i>	B <i>mm</i>	C <i>mm</i>	D <i>mm</i>	L <i>mm</i>	<i>kg.</i>
8	117	86	32	140	2
10	117	86	32	140	2
15	117	86	32	140	2
20	127	89	38	171	3
25	140	76	64	241	5
32	150	89	64	289	6
40	150	89	64	283	7
50	197	114	83	343	13

Dimensions and Weight: 65 and 80mm 009



MODEL	SIZE DN	DIMENSIONS (APPROX.)			WEIGHT
	<i>mm</i>	D <i>mm</i>	L <i>mm</i>	U <i>mm</i>	<i>kg.</i>
009LF	65	114	460	270	34.5
009LF	80	114	460	270	34.5

Capacity

Performance as established by an independent testing laboratory.

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

