

For Health Hazard Applications

Job Name _____

Contractor _____

Job Location _____

Approval _____

Engineer _____

Contractor's P.O. No. _____

Approval _____

Representative _____

LEAD FREE*

Series SS009-FS Stainless Steel Reduced Pressure Zone Assemblies

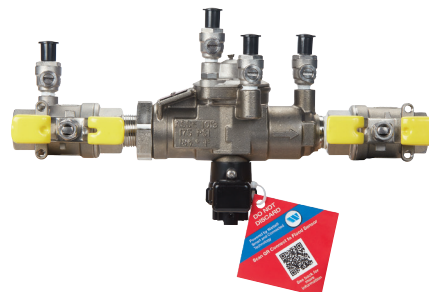
Size: 1/2" – 1"

Series SS009-FS Stainless Steel Reduced Pressure Zone Assemblies provide protection of the potable water supply in accordance with national plumbing codes and water authority requirements. Series SS009 can be used in a variety of health hazard installations whenever the downstream liquid is of a composition which may damage bronze material or it is desirable to eliminate trace elements of lead and copper. Typical applications are industrial or plant use, medical/diagnostic equipment, reverse osmosis systems, carbonated beverage machines, breweries/distillers, paper and pulp industry, chemical plants, and aggressive atmospheres. The SS009 series features two in-line independent check valves, captured springs, replaceable check seats, corrosion resistant internal parts, and a hydraulically operated differential pressure relief valve. All sizes are constructed with NPT body connections and are standardly furnished with vandal resistant Test Cocks. Series SS009 is furnished with 316 stainless steel, full port, investment cast, and quarter-turn ball valve shutoffs with 304 stainless steel tee handles.

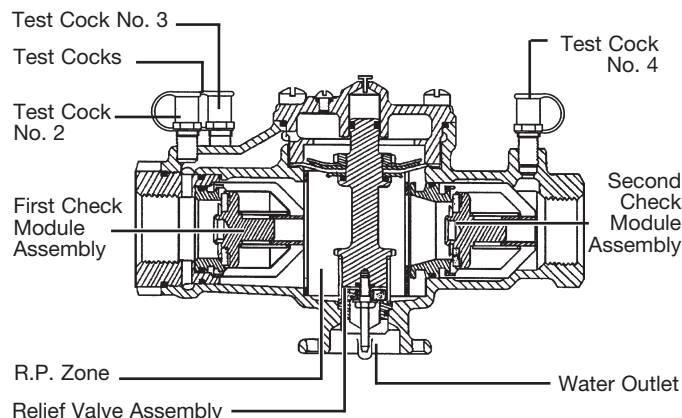
This series contains an integrated flood sensor to detect excessive water discharges from the relief valve. When activated through an add-on sensor connection kit, the flood sensor relays a signal that triggers notification to qualified service personnel who can take corrective action, thus avoiding the possibility of ruinous flooding and costly damage. The add-on sensor connection kit is available for both building management systems, or BMS, and cellular communication. (For more information, refer to *Installation, Maintenance, and Repair Manual, Series 009-FS and LF009-FS.*)

Features

- Investment Cast 316 Stainless Steel Assembly for corrosion resistance
- All wetted valve components such as test cocks, ball valve shutoffs, and pipe nipples made from Lead Free* stainless steel or plastic
- Bolted on, top entry single access cover for ease of maintenance
- Modular check construction featuring nonreversible checks with captured springs for simplified servicing
- Top-mounted, vandal-resistant test cocks with easy access for testing
- True line sized check modules open further for dirt and debris to pass through the valve, reducing fouling problems
- Check and relief valve seat replaceable without special tools
- Internal relief valve for right and left hand installations
- Integrated sensor for flood detection



SS009M3-QT-FS



Specification

A reduced pressure zone assembly shall be installed at each noted potential health hazard location to prevent backflow due to back-siphonage and/or backpressure. The assembly shall consist of an internal pressure differential relief valve located in a zone between two independently operating 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, without the use of special tools. 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. The assembly shall include two resilient seated isolation valves, four top mounted vandal resistant test cocks with dust covers, a protective stainless steel wye strainer with a 20 mesh screen, and an air gap fitting. The assembly shall consist of an Investment Cast 316 stainless steel body and cover with Series 300 stainless steel test cocks, 316 stainless steel ball valve shutoffs with PTFE seat blowout proof 304 stainless steel stems, and 304 stainless steel tee handles. The assembly shall meet the requirements of ASSE Standard 1013, AWWA Standard C511. Assembly shall be a Watts Series SS009.

NOTICE

Inquire with governing authorities for local installation requirements.

*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

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.

Available Models

Suffix:

- QT – Quarter-turn ball valves
- S – Stainless steel strainer

NOTE: The installation of a drain line is recommended. When installing a drain line, an air gap is necessary. (For more information download ES-AG/EL/TC at watts.com.)

Materials

- Body: 316 stainless steel
- Disc and Relief Valve: Silicone rubber
- Check Seats: Replaceable polymer
- Relief Valve Seat: Removable relief valve seats
- Cover Bolts: Stainless steel

Pressure – Temperature

- Temperature Range: 33°F – 180°F (0.5°C – 82°C) continuous
- Maximum Working Pressure: 175 psi (12.1 bar)

Standards

- USC Manual 9th Edition
- AWWA C511-92

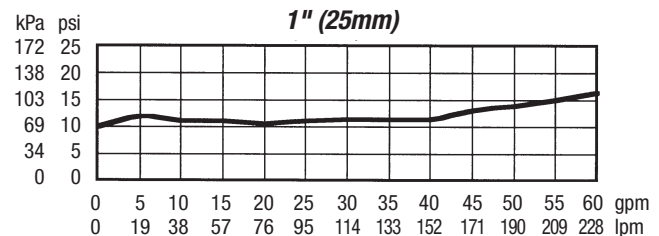
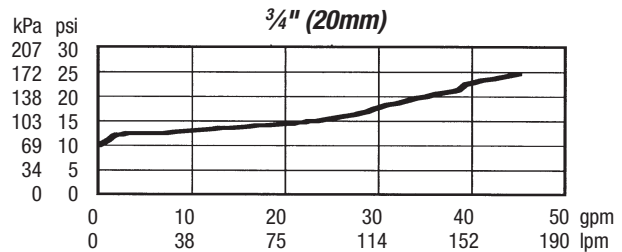
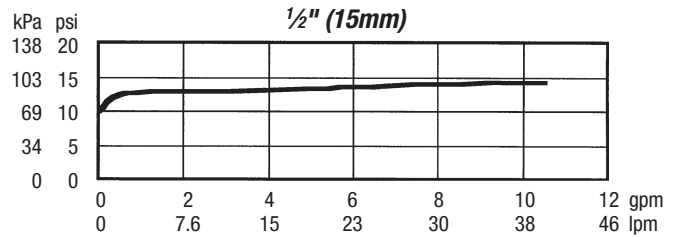
Approvals



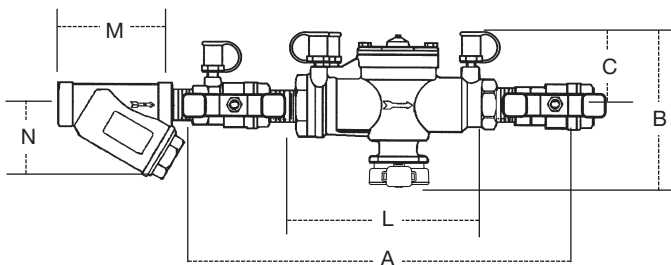
ASSE, AWWA, USC
CSA – 1/2" and 3/4" horizontal

Capacity

Performance as established by an independent testing laboratory. The asterisk (*) indicates the typical maximum system flow rate (7.5 ft/sec).



Dimensions – Weight



Insulated Enclosure

The WattsBox insulated enclosure is available for Series SS009-FS. For more information download ES-WB at watts.com.

NOTICE

The information contained herein is not intended to replace the full product installation and safety information available or the experience of a trained product installer. You are required to thoroughly read all installation instructions and product safety information before beginning the installation of this product.

MODEL	SIZE	DIMENSIONS (APPROX.)										WEIGHT					
		A		B		C		L		M		N		Width		lb	kg
		in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm		
SS009M3QT	1/2	10	250	5 7/8	149	3 1/2	86	5 1/2	140	–	–	–	–	5	127	4.50	2.0
SS009M3QT	3/4	10 3/4	273	6 1/4	159	3 1/2	89	6 3/4	171	–	–	–	–	6 1/4	159	5.75	2.6
SS009QT	1	16 3/4	425	6 1/4	159	3	76	9 1/2	241	–	–	–	–	8 1/4	210	12.25	5.6
SS009M3QT-S	1/2	10	250	7 1/4	182	3 3/8	86	5 1/2	140	3 13/16	97	2 5/8	67	5	127	7.25	3.3
SS009M3QT-S	3/4	10 3/4	273	7 1/2	191	3 1/2	89	6 3/4	171	4 3/8	111	3 1/16	81	6 1/4	159	9.25	4.2
SS009QT-S	1	16 3/4	425	8 1/2	216	3	76	9 1/2	241	5 5/16	132	3 3/4	95	8 1/4	210	17.00	7.7

