

## For Health Hazard Applications

Job Name \_\_\_\_\_

Contractor \_\_\_\_\_

Job Location \_\_\_\_\_

Approval \_\_\_\_\_

Engineer \_\_\_\_\_

Contractor's P.O. No. \_\_\_\_\_

Approval \_\_\_\_\_

Representative \_\_\_\_\_

# LEAD FREE\*

## Series SS009 Stainless Steel Reduced Pressure Zone Assemblies

Sizes: ½" – 1"

Series SS009QT 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 SS009QT's are furnished with 316 Stainless Steel, full port, investment cast, quarter turn ball valve shutoffs with 304 Stainless Steel tee handles.

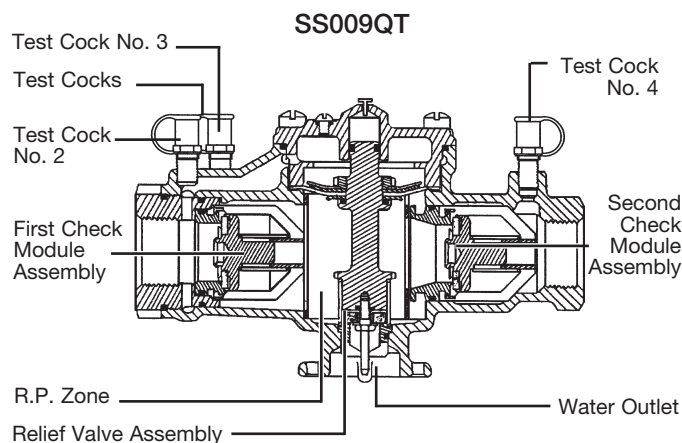
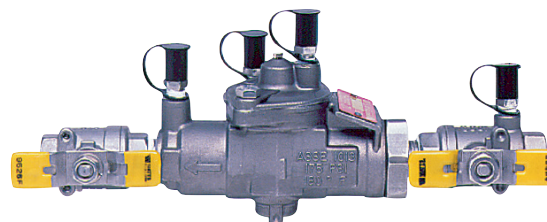
### Features

- Investment Cast 316 Stainless Steel Assembly for corrosion resistance
- All wetted valve components — test cocks, ball valve shutoffs, pipe nipples, body and cover, check modules and relief valve assembly are made from "Lead Free" Stainless Steel or Plastic construction
- 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 provide easy access for testing
- True line sized check modules open further allowing dirt and debris to pass freely through the valve reducing fouling problems
- Check and Relief Valve Seats are replaceable without the use of special tools
- Internal relief valve for right and left hand installations

### 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.

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



### Specifications

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 SS009QT.

### 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.

## 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 (see ES-AG/EL/TC).

## 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: 175psi (12.1 bar)

## Standards

USC Manual 9th Edition

AWWA C511-92

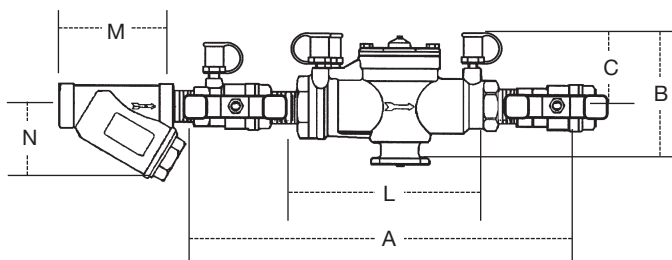


## Approvals

ASSE, AWWA, USC

CSA – 1/2" and 3/4" horizontal

## Dimensions – Weight



## Capacity

MODEL	SIZE	DIMENSIONS (APPROX.)										WEIGHT					
		A		B		C		L		M		N		Width		lbs.	kgs.
	in.	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm		
SS009M3QT	1/2	10	250	4 5/8	117	3 3/8	86	5 1/2	140	–	–	–	–	5	127	4.50	2.0
SS009M3QT	3/4	10 3/4	273	5	127	3 1/2	89	6 3/4	171	–	–	–	–	6 1/4	159	5.75	2.6
SS009QT	1	16 3/4	425	5 1/2	140	3	76	9 1/2	241	–	–	–	–	8 1/4	210	12.25	5.6
SS009M3QT-S	1/2	10	250	6	150	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	6 1/4	159	3 1/2	89	6 3/4	171	4 3/8	111	3 3/16	81	6 1/4	159	9.25	4.2
SS009QT-S	1	16 3/4	425	7 3/4	197	3	76	9 1/2	241	5 5/16	132	3 3/4	95	8 1/4	210	17.00	7.7



Performance as established by an independent testing laboratory.

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

