SPEC SHEET

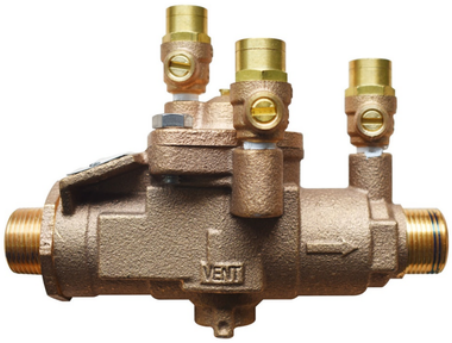
Watts 009 Backflow Brass Valve Only & Assembly & with Unions

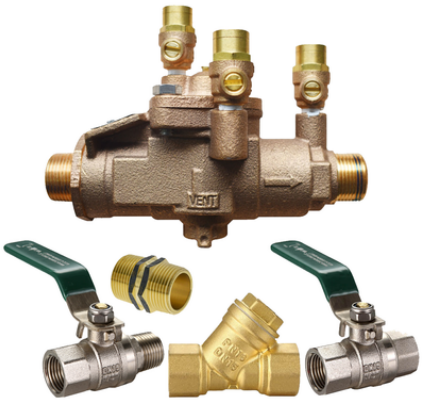
PRODUCT CODE: SEE TABLE BELOW

- The 009 Series Brass threaded Lead-Free RPZ Reduced Pressure Zone backflow perfect for all general high-hazard applications.

KEY FEATURES

- High Hazard Device
- Testable Device
- Protects against back pressure & back Syphonage
- Must only be Installed horizontally
- Must be installed above ground with a minimum of 300mm clearance to relief port.
- Continuous and non-continuous pressure installations.
- 0.5˚C to 82˚C
- Maximum pressure 1200 kPa
- 15mm-50mm BSP threaded
- DZR Brass construction





Brass Thread Size	Valve Only	Assembly	Assembly (with Unions)
15mm	RPZ-009-15VO	RPZ-009-15CA	RPZ-009-15CA-Unions
20mm	RPZ-009-20VO	RPZ-009-20CA	RPZ-009-20CA-Unions
25mm	RPZ-009-25VO	RPZ-009-25CA	RPZ-009-25CA-Unions
32mm	RPZ-009-32VO	RPZ-009-32CA	RPZ-009-32CA-Unions
40mm	RPZ-009-40VO	RPZ-009-40CA	RPZ-009-40CA-Unions
50mm	RPZ-009-50VO	RPZ-009-50CA	RPZ-009-50CA-Unions

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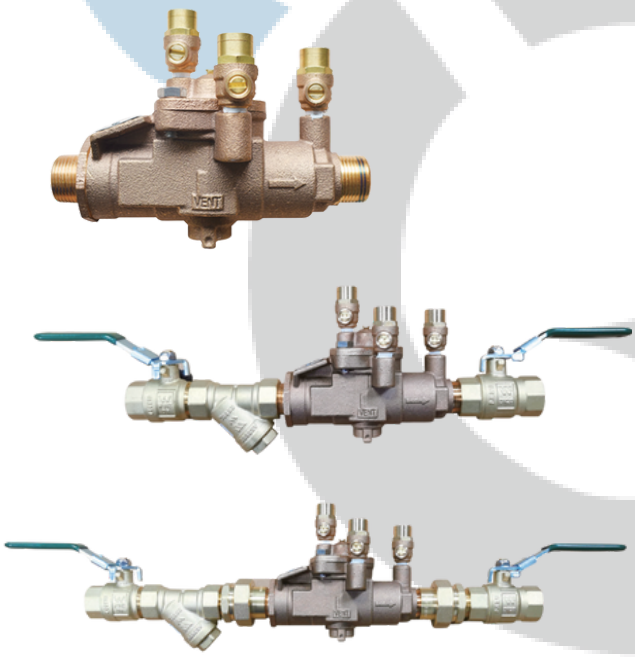
FlowQuip
Piped Equipment Specialties

Series 009

Reduced Pressure Zone Device

Size: DN15-DN50

Series 009 Reduced Pressure Zone Devices 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

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

Pressure - Temperature

• Temperature Range: 0.5°C – 90°C • Maximum Working Pressure: 1400kPa (14bar)

Material

Component	Material
Body/Cover(15-50mm) Test	DR Bronze DR Brass
Cock Checks Check Seats	Polymer Silicone
(Replaceable) Cover Bolts	Rubber Disc Stainless
	Steel

Specification

• Design Standard: AS/NZS 2845.1 •
Connection Standard: DN15: MxF BSP
DN20-DN50: MxM BSP
• Working Medium: Non corrosive liquids

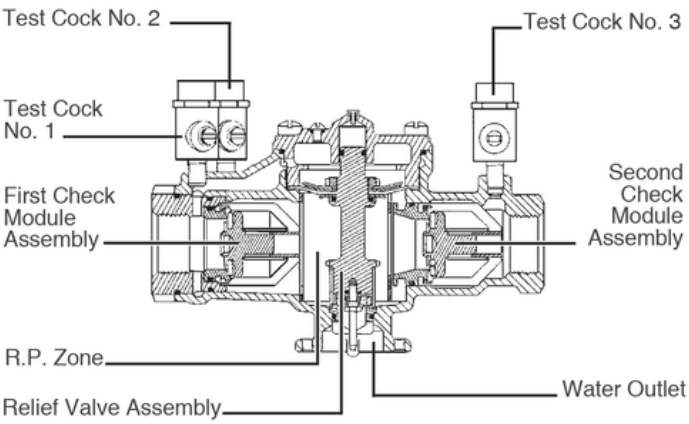
Approval

• License No. of the Backflow Preventer: WMKA 1335 • License No. of Ball Valves: WM 040213 • License No. of the Y-Strainer & Unions: WMK 25882

Installation Dimensions

Dimensions (mm)	DN(mm)					
	15	20	25	32	40	50
L	335	378	472	604	636	739
L1	137	168	235	287	283	340
L2	41	49	58	70	81	94
L3	63	72	86	101	111	134
L4	35	39	43	49	52	55
L5	56	66	77	92	103	120
H	85	91	80	92	92	108
H1	43	49	54	79	79	90
H2	30	35	60	62	62	87
H3	42	49	52	77	83	90
A	52	39	43	68	68	68

*DISCLAIMER: Dimensions can vary - please consult with FlowQuip as to variances.



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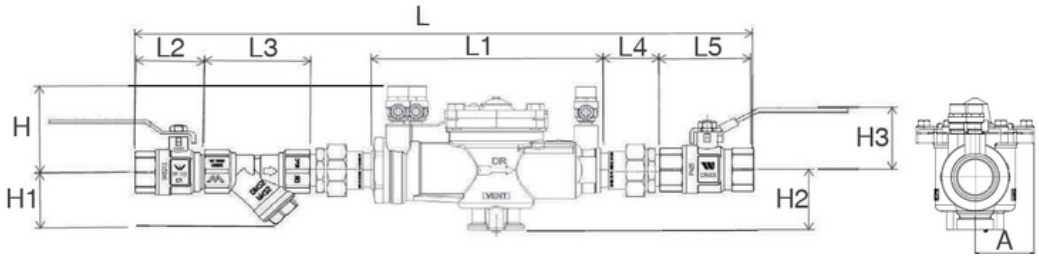
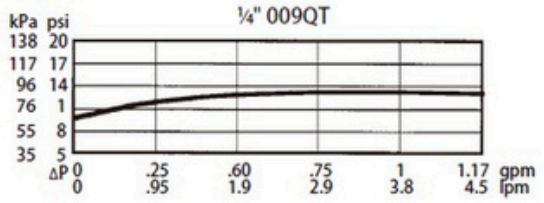
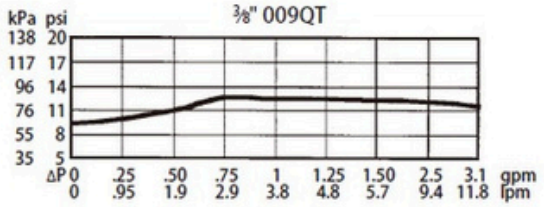


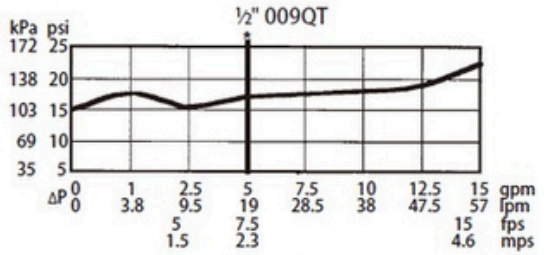
Characteristic Curves

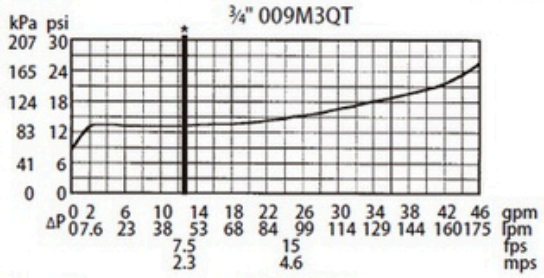
Performance as established by an independent testing laboratory

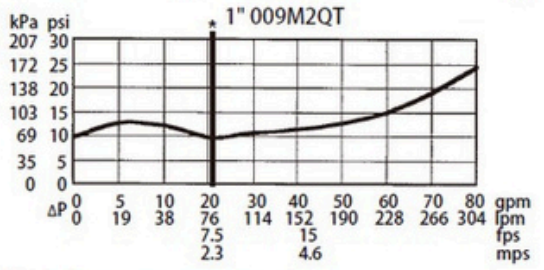
***Typical maximum system flow rate (7.5 feet/sec., 2.3 meters/sec.)**

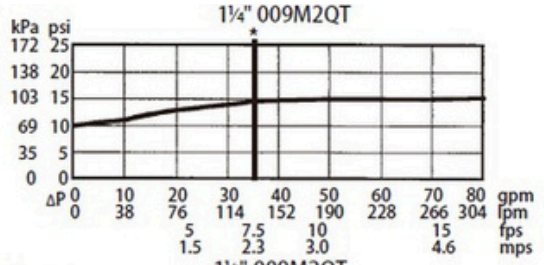


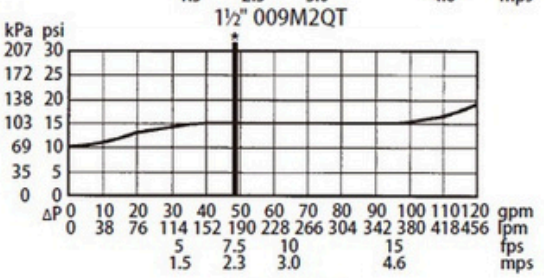


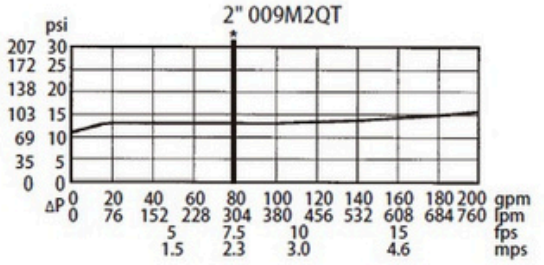












Typical Installation

Model 009 Reduced Pressure Zone Device should be installed with adequate clearance and easy accessibility for testing and maintenance and must be protected from freezing. Local codes shall govern installation requirements.
Fittings such as end connectors intended to join alternative pipe systems made from other materials (e.g. plastics) shall also conform to the relevant dimensional and performance requirements of the appropriate Australian, New Zealand, or joint Australian/New Zealand Standard for the alternative pipe system.
Test the assembly at initial installation, after servicing or maintenance to AS/NZS2845.3 and local regulatory authority requirements.

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