

Job Name _____
 Job Location _____
 Engineer _____
 Approval _____

Contractor _____
 Approval _____
 Contractor's P.O. No. _____
 Representative _____

Series 4000RP

Reduced Pressure Zone Assemblies

Sizes: 8" – 10" (200 – 250mm)

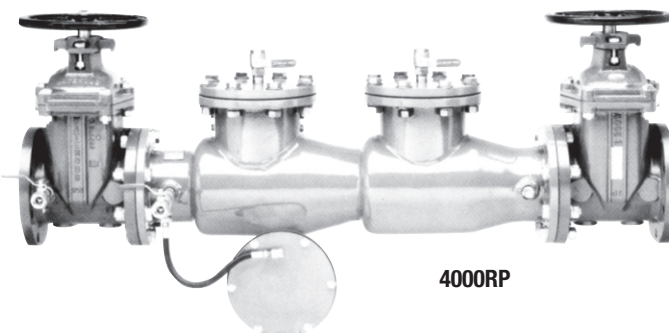
Series 4000RP Reduced Pressure Zone Assemblies provide protection to the potable water system from backpressure and backsiphonage in health hazard applications. The one piece assembly consists of two independently operating, spring loaded check valves with a hydraulically operated differential pressure relief valve connected between the check valves. When normal flow exists, both check valves are open and the pressure zone is lower than the inlet pressure. The differential pressure relief valve is held closed by this lower pressure during normal flow. If cessation of normal flow occurs, the differential pressure relief valve may automatically open and discharge to maintain the lower zone pressure. This action will prevent a backpressure or backsiphonage condition. After the required differential is established, the differential pressure relief valve again closes. Every 4000RP is functionally and hydrostatically tested to twice the rated operating pressure.

Features

- Fusion bonded epoxy lined and coated
- Stainless steel internal parts
- One piece body design
- Easy in-line maintenance and serviceability
- Provided maximum protection against backpressure and backsiphonage
- Maximum flow at low head loss
- Available with UL listed OSY or NRS gate valves
- Heavy duty steel body design
- Air gap drain available
- Lighter weight than cast iron or ductile iron assemblies

Specifications

A Reduced Pressure Zone Assembly shall be installed on the potable water lines as indicated on the plans. The valve body shall be heavy-duty steel with fusion bonded epoxy coating. All internal parts shall be manufactured from 300 Series stainless steel. Valve shall be an Ames Fire & Waterworks Series 4000RP.



Available Models

Suffix:

- OSY – UL/FM outside stem and yoke resilient seated gate valves
- NRS – non-rising stem resilient seated gate valves
- LG – less gates

Materials

Body: ASTM A36 steel

All internal working parts: 300 Series stainless steel

Removable Seat: bronze ASTM B63-82

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.

Pressure – Temperature

Maximum Working Pressure: 175 psi (12.06 bar)

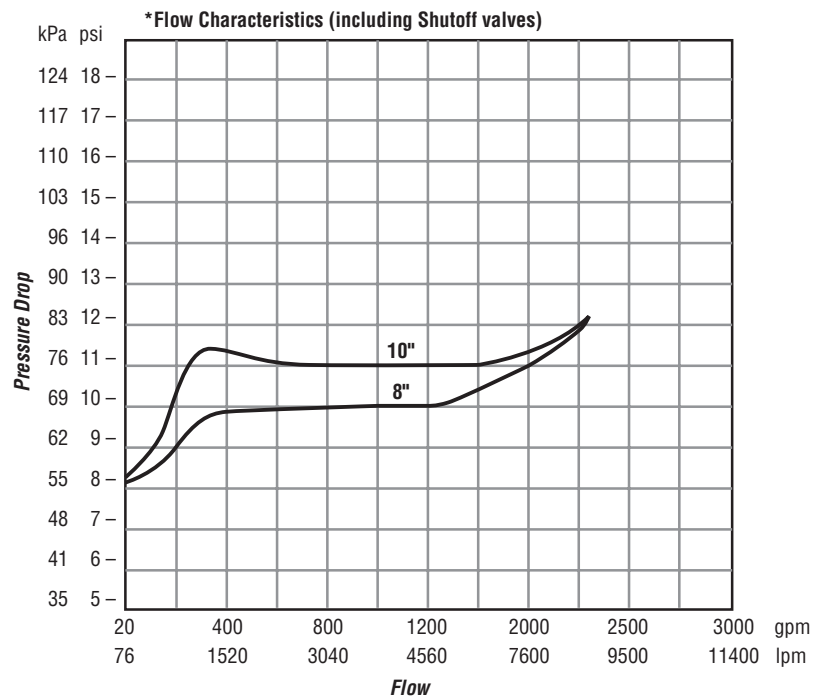
Temperature Range: 33°F – 110°F (5°C – 43°C)

Approvals

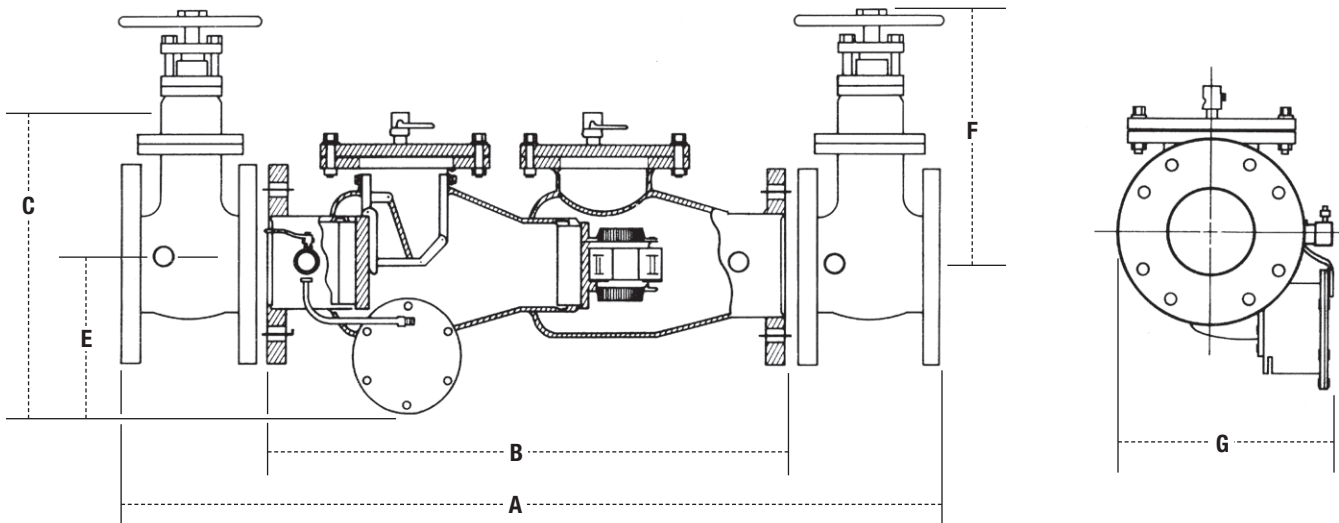


Flange bolt pattern and hole diameter in accordance with ANSI B16.5 Class 125/AWWA C207 Class D

Body nameplate provides nominal size, direction of flow, PSI rating, year of manufacture and approval marks



Dimensions – Weights



SIZE (DN)		DIMENSIONS										WEIGHT					
		A		B		C		E		F		G		with gates		w/o gates	
<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>lb.</i>	<i>kg</i>	<i>lb.</i>	<i>kg</i>
8	200	68 ³ / ₄	1746	45 ³ / ₄	1162	27	686	14	356	20 ³ / ₁₆	513	22½	572	779	353.3	369	167.4
10	250	71 ³ / ₄	1822	45 ³ / ₄	1162	27	686	15	381	24 ¹ / ₁₆	613	25	635	1059	480.4	409	185.5



A WATTS Brand

IMPORTANT: Inquire with governing authorities for local installation requirements.

USA: Backflow Tel: (978) 689-6066 • Fax: (978) 975-8350 • AmesFireWater.com
USA: Control Valves Tel: (713) 943-0688 • Fax: (713) 944-9445 • AmesFireWater.com
Canada: Tel: (905) 332-4090 • Fax: (905) 332-7068 • AmesFireWater.ca
Latin America: Tel: (52) 81-1001-8600 • AmesFireWater.com