

Job Name _____
 Job Location _____
 Engineer _____
 Approval _____

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

LEAD FREE*

Series LF4000B

Reduced Pressure Zone Assemblies

Sizes: 1/2" – 2"

Series LF4000B 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.

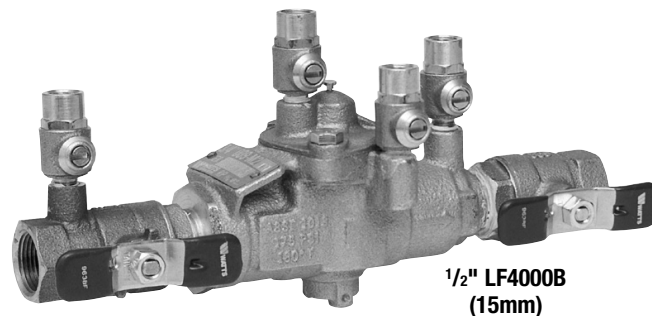
This series features two in-line, independent check valves, captured springs and replaceable check seats with an intermediate relief valve. Its compact modular design facilitates easy maintenance and assembly access. Sizes 1/2"–1" shutoffs have tee handles. The LF4000B features Lead Free* construction to comply with Lead Free* installation requirements.

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
- Lead Free* cast silicon copper alloy construction for durability — 1/2" to 2"
- Ball valve test cocks — screwdriver slotted — 1/2" to 2"
- 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. Lead Free* Reduced Pressure Zone Assembly shall be constructed using Lead Free* materials. Lead Free assemblies shall comply with state codes and standards, where applicable, requiring reduced lead content. 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. The assembly shall also include two resilient seated isolation valves, four resilient seated test cocks and an air gap drain fitting. The assembly shall meet the requirements of: USC; ASSE Std. 1013; AWWA Std. C511; CSA B64.4. The assembly shall be an Ames Company Series LF4000B.



Approvals



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

Available Models

Suffix:

- B — quarter-turn ball valves
- LBV — less ball valves

Pressure — Temperature

Suitable for supply pressures up to 175 psi (12.1bar) and water temperature to 180°F (75°C) continuous.

Standards

AWWA C511, IAPMO File No. 1563

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.

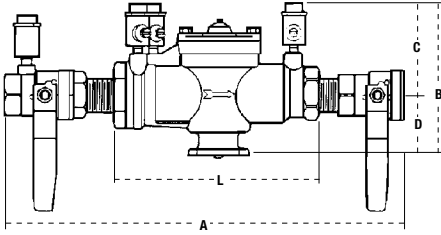
*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Ames Fire & Waterworks product specifications in U.S. customary units and metric are approximate and are provided for reference only. For precise measurements, please contact Ames Fire & Waterworks Technical Service. Ames Fire & Waterworks 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 Ames Fire & Waterworks products previously or subsequently sold.

AMES
FIRE & WATERWORKS
A WATTS Brand

Weights — Dimensions

LF4000B

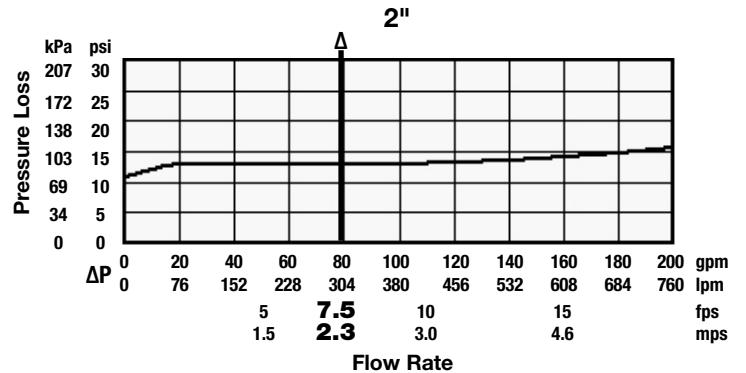
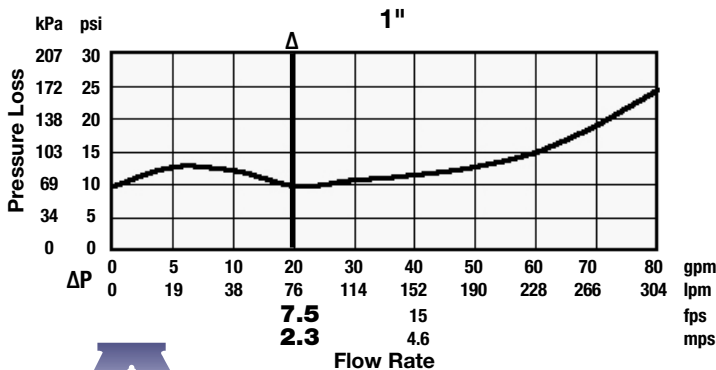
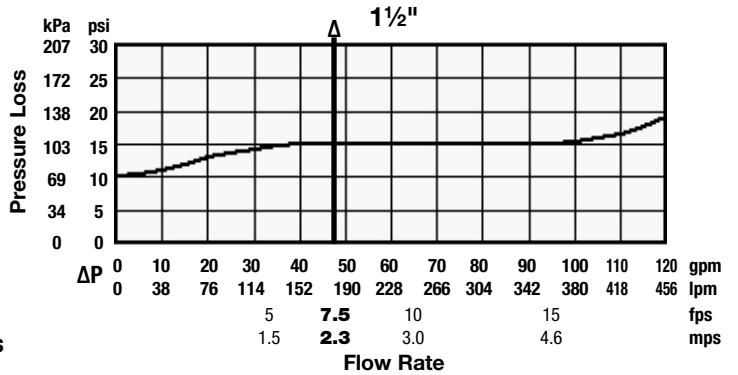
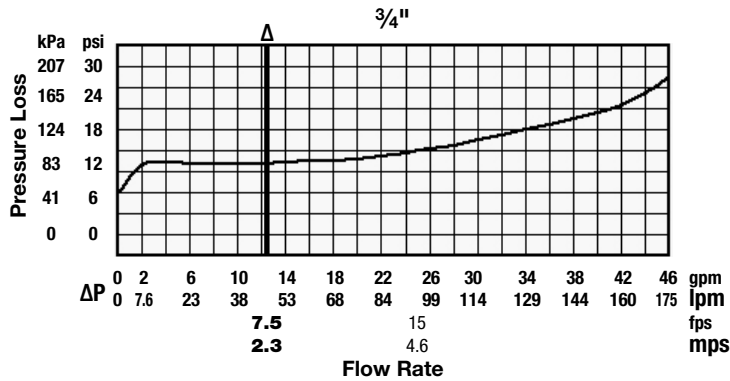
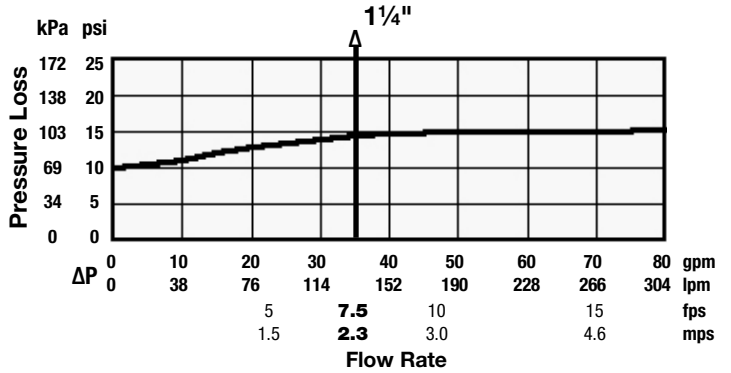
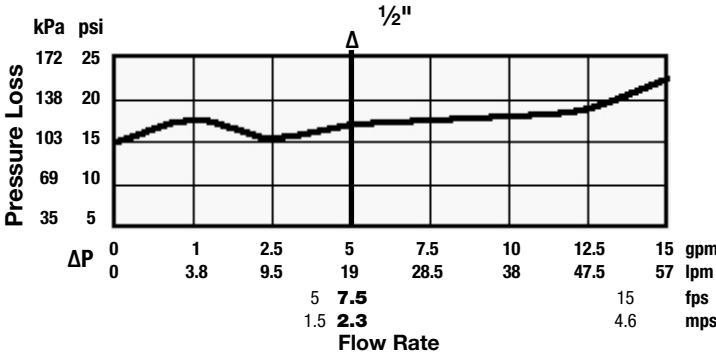


SIZE		DIMENSIONS								WEIGHT			
in.		A		B		C		D		L		lbs.	kg.
		in.	mm	in.	mm	in.	mm	in.	mm	in.	mm		
1/2		10	250	4 5/8	117	3 3/8	86	1 1/4	32	5 1/2	140	4.50	2.0
3/4		10 3/4	273	5	127	3 1/2	89	1 1/2	38	6 3/4	171	5.75	2.6
1		14 1/2	368	5 1/2	140	3	76	2 1/2	64	9 1/2	241	12.25	5.6
1 1/4		17 3/8	444	6 1/8	150	3 1/2	89	2 1/2	64	11 3/8	289	14.62	6.6
1 1/2		17 3/8	454	6	150	3 1/2	89	2 1/2	64	11 3/8	283	16.32	7.4
2		21 3/8	543	7 3/4	197	4 1/2	114	3 3/4	83	13 1/2	343	30.00	13.6

Strainer sold separately

Capacity

Performance as established by an independent testing laboratory. ΔTypical maximum system flow rate (7.5 feet/sec., 2.3 meters/sec.)



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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
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