

## Engineering Specification

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

Contractor \_\_\_\_\_

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

Approval \_\_\_\_\_

Engineer \_\_\_\_\_

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

Approval \_\_\_\_\_

Representative \_\_\_\_\_

# Series 2000BM1-FP / 2000BM2-FP

## Double Check Valve Assemblies

Sizes: 1" – 2"

Series 2000BM1-FP/ 2000BM2-FP Double Check Valve Assemblies shall be installed at referenced cross-connections to prevent the backflow of polluted water into the potable water supply. Only those cross-connections identified by local inspection authorities as non-health hazard shall be allowed the use of an approved double check valve assembly.

Check with local authority having jurisdiction regarding vertical orientation, frequency of testing or other installation requirements.

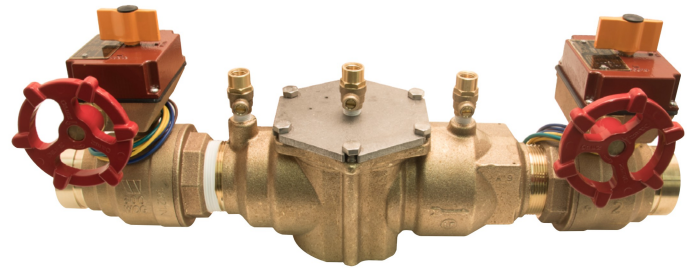
These valves meet the requirements of ASSE Std. 1015 and AWWA Std. C510 and are approved by the Foundation for Cross-Connection Control and Hydraulic Research at the University of Southern California.

### Features

- Ease of maintenance with only one cover
- Top entry
- Replaceable seats and seat discs
- Modular construction
- Compact design
- 1" – 2" Cast bronze body construction
- Low pressure drop
- No special tools required
- Gear operated, slow close shutoffs
- Pre-wired tamper switch (2) per shutoff
- Reversible Wiring Harness with Gear-Operated Ball Valves
- GOBV Can be wired Normally Open or Normally Closed

### Approvals – Standards

- Approved by the Foundation for Cross-Connection Control and Hydraulic Research at The University of Southern California (FCCCHR-USC)
- Horizontal and Vertical "Flow-Up" approved on all sizes
- ASSE 1015 Listed
- UL Classified (US & Canada)
- IAPMO/cUPC
- AWWA Standard C510 Compliant
- CSA B64.5
- NFPA 13, 14, 15, 16, 20, 22 & 24 Compliant
- End Connections Gear-Operated Ball Valves – National Pipe Thread Taper ANSI/ASME B1.20.1 - Grooved end Table 4 of AWWA C 606-11



**2000BM1-FP-GV**  
Model shown

### Available Models

No suffix - Female NPT Inlet/Outlet  
GV - Grooved Inlet/Outlet

### Pressure — Temperature

Temperature Range: 33°F – 140°F (0.5°C – 60°C)  
Maximum Working Pressure: 175psi (12.1 bar)

### Specifications

A Double Check Valve Assembly shall be installed at each noted location. The assembly shall consist of two positive seating check modules with captured springs and rubber seat discs. The check module seats and seat discs shall be replaceable. 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 gear operated slow close isolation valves and four resilient seated test cocks. The assembly shall meet the requirements of ASSE Std. 1015 and AWWA Std. C510. Approved by the Foundation for Cross-Connection Control and Hydraulic Research at the University of Southern California. Assembly shall be an Ames Fire & Waterworks Series 2000BM1-FP/ 2000BM2-FP.

#### WARNING

It is illegal to use this product in any plumbing system providing water for human consumption, such as drinking or dishwashing, in the United States. Before installing standard material product, consult your local water authority, building and plumbing codes.

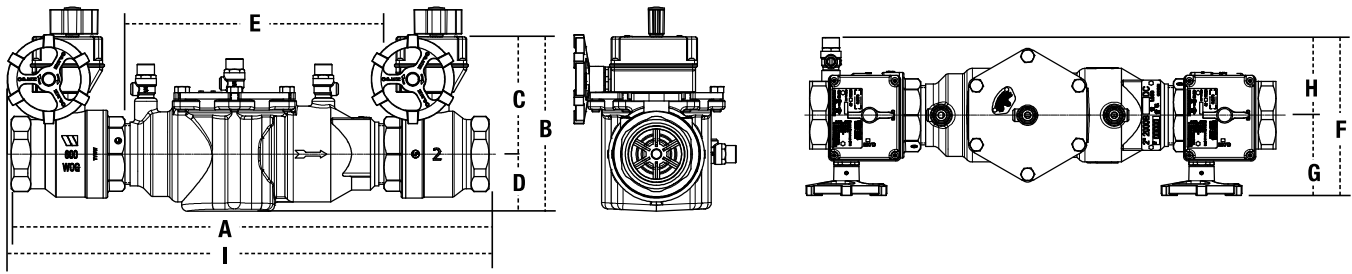


**AMES**  
FIRE & WATERWORKS

**A WATTS Brand**

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.

# Dimensions – Weights



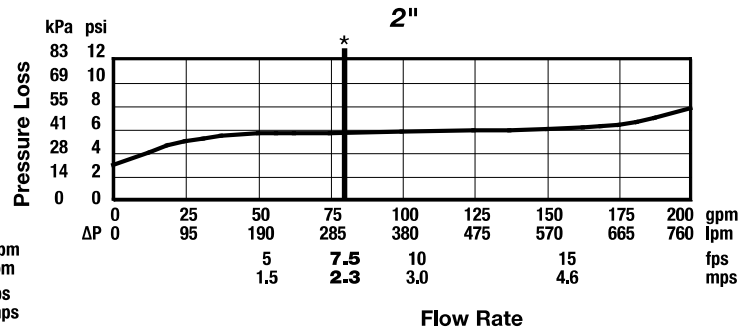
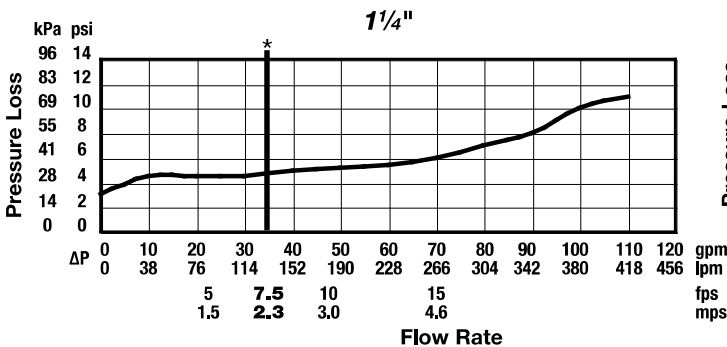
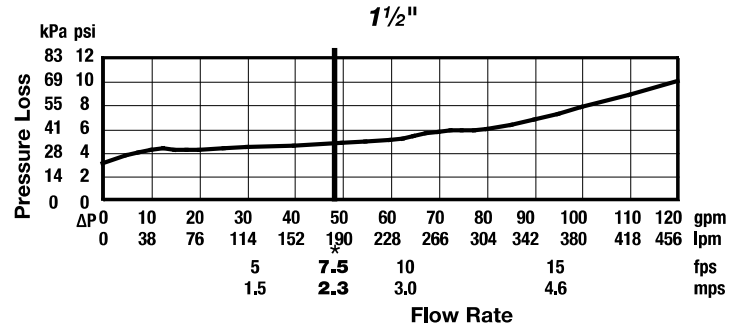
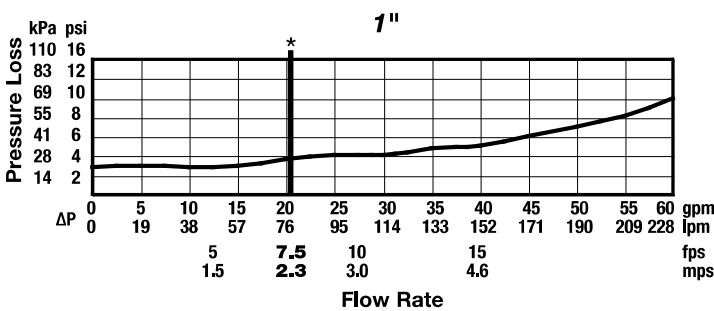
MODEL	SIZE	DIMENSIONS																WEIGHT					
		A		B		C		D		E		F		G		H		I		lbs.	kgs.		
		FNPT in.	mm	GROOVED in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm				
2000BM1-FP	1	13¼	337	13½	343	4½	114	3½	89	1	25	7½	191	5¼	146	2⅞	73	2⅞	73	14⅜	365	12.2	5.5
2000BM2-FP	1¼	15⅝	397	16	406	5⅝	136	3¾	95	1⅝	41	9½	241	6⅞	154	2⅞	73	3⅞	81	16½	419	17.3	7.8
2000BM2-FP	1½	16⅝	416	16½	419	5⅝	143	4	102	1⅝	41	9¾	248	6¼	159	2⅞	73	3⅝	86	17	432	19	8.6
2000BM1-FP	2	19⅝	486	19⅝	500	6½	165	4¼	108	2¼	54	13⅝	340	6½	165	2⅞	73	3⅝	92	19½	495	26.4	12

Strainer sold separately

## Capacities

As compiled from documented Foundation for Cross-Connection Control and Hydraulic Research at the University of Southern California lab tests.

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



### NOTICE

Inquire with governing authorities for local installation requirements

### 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.



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USA: Backflow T: (978) 689-6066 • AmesFireWater.com  
 USA: Control Valves T: (713) 943-0688 • AmesFireWater.com  
 Canada: T: (888) 208-8927 • AmesFireWater.ca  
 Latin America: T: (52) 55-4122-0138 • AmesFireWater.com