



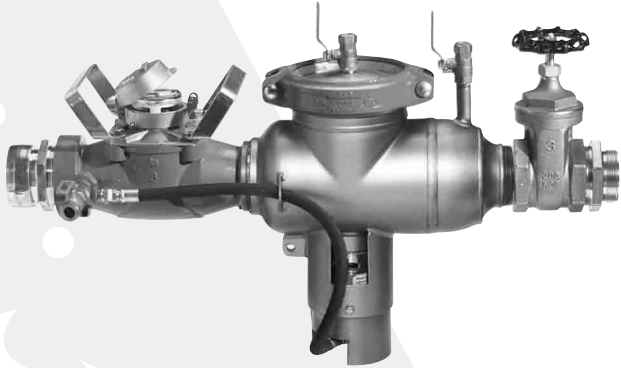
Series 6000HMB

Double Check Valve Assemblies

Sizes: 2½" – 7NST x 3"

Features

- Designed to retrofit backflow protection onto fire hydrants used for temporary water service.
- Outlet gate valve can be opened/closed slowly to prevent surges.
- Heavy duty relief valve cover prevents vandalism and protects the valve from damage when the 994HMB is transported to another fire hydrant location.
- In-line flow restrictor protects the meter measuring element and the backflow preventer components from damage due to excessive flow.
- Stainless steel kicker bar supplied with each valve for support
- Meets AWWA C701 meter requirements.
- Standardly supplied with 2½"-7 NST fire hose swivel coupling on inlet.
- Only weighs 66 lbs. total.
- Backflow preventer manufactured from 300 Series stainless steel for corrosion resistance.
- Includes the strongest double walled stainless steel inlet strainer available.
- Accurately measure flow and protects the water supply from possible contamination.



6000HMB

Model 6000HMB Hydrant Meter Backflow Preventer is for use in measurement of potable water from a fire hydrant of other non-permanent installation where flow is in one direction only and the possibility of cross-connection exists. The Ames 6000HMB fire hydrant preventer meter is designed to protect the potable water system by preventing backflow through the fire hydrant. This model can be used, where approved by the local authority having jurisdiction, on health hazard cross-connections.

Materials

Housing:	Heat treated aluminum alloy/ stainless-steel
Nose Cone and Straightening Vanes:	Thermoplastic
Rotor:	Thermoplastic
Rotor Radial Bearings:	Lubricated Thermoplastic
Rotor Thrust Bearings:	Sapphire Jewels
Rotor Bearing Pivots:	Passivated 316 Stainless Steel
Calibration Mechanism:	Stainless Steel and Thermoplastic
Flow Restriction Orifice:	Heat Treated Aluminum Alloy
Magnet:	Ceramic
Register Cover:	Bronze
Trim:	Stainless Steel
Inlet Screen:	Stainless Steel with Elastomer

Job Name _____ Contractor _____

Job Location _____ Approval _____

Engineer _____ Contractor's P.O. No. _____

Approval _____ Representative _____

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

Specifications

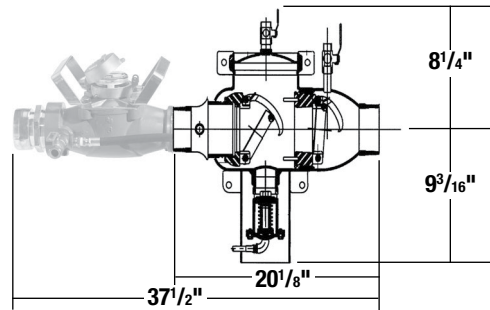
Typical Operating Range (100%±1.5%)	5 – 660 GPM (1.1 to 150 m3/h)
Maximum Continuous Flow	450 GPM (102 m3/h)
Maximum Intermittent Flow	660 GPM (150 m3/h)
Typical Low Flow (Min. 95%)	4 GPM (0.9 m3/h)
Pressure Loss at Maximum	37psi @ 450 GPM (2.55 bar @ 102 m3/h) (standard couplings with orifice and screen)
Continuous Operation	Note: 23psi @ 350 GPM
Maximum Operating Pressure	150psi (10 bar)
Standard Hose Coupling	2½" – 7" NST threads (78P – 3.4mm) (National standard fire hose coupling thread)
Register	Straight reading, permanently sealed magnetic drive standard.
Registration	100,000,000 Gallons 100 gallons/sweep hand revolution. 10,000,000 Cubic Feet 10 cubic ft./sweep hand revolution. 1,000,000 m3 1 m3/sweep hand revolution.
Flow Restriction (Orifice)	Limits flow through the meter to 660 GPM at 85psi system pressure with standard couplings. (150 m3/h at 5.9 bar)

Approvals

Model 6000HMB Hydrant Meter Backflow Preventer meets the design requirements of most national standards. Due to the portability of the unit, there are no national approvals available. Contact the factory for specific approvals on the reduced pressure backflow preventer.

Dimensions - Weight

Overall lay length: 37½"
Weight: 66 lbs.
Height from top of open gate valve to bottom of relief valve 19"
Width: 10"

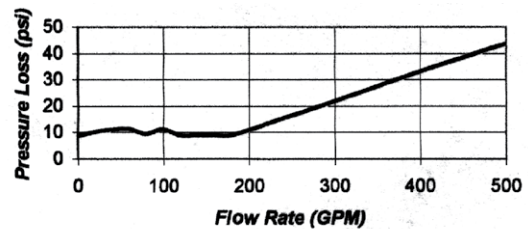


MODEL	WEIGHT	
	lbs.	kg
6000HMB-GPM	66	30
6000HMB-CFM	66	30

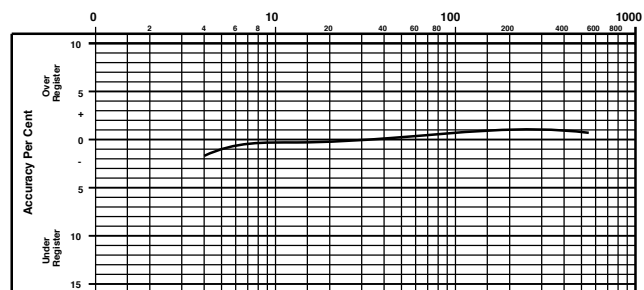
Typical Installation — Hydrant Meter Backflow



Pressure Loss Chart
Rate of Flow in Gallons per Minute



Accuracy Chart
Rate of Flow in Gallons per Minute



A Watts Water Technologies Company

www.amesfirewater.com



ISO 9001-2008
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USA: Backflow- Sacramento, CA • Tel: (916) 928-0123 • Fax: (916) 928-9333
Control Valves- Houston, TX • Tel: (713) 943-0688 • Fax: (713) 944-9445
Canada: Burlington, ON • Tel: (905) 332-4090 • Fax: (905) 332-7068

ES-A-6000HMB 0652

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