

MODEL 2000B Double Check Assembly



■ Application

The Ames 2000B provides positive drip-tight closure against the reverse flow of non potable liquids caused by a cross connection. The 2000B can be used in fire protection systems, plumbing systems, irrigation systems and other systems requiring low and intermediate hazard protection.

■ Operation

In normal flow conditions the independently operating cartridge checks remain closed until there is a demand for water. Each of the cartridge checks in series is designed to open at approximately (1) PSI pressure differential in the direction of flow. At cessation of flow or under a back pressure condition, both cartridge checks will close until the resumption of normal flow.

■ Installation

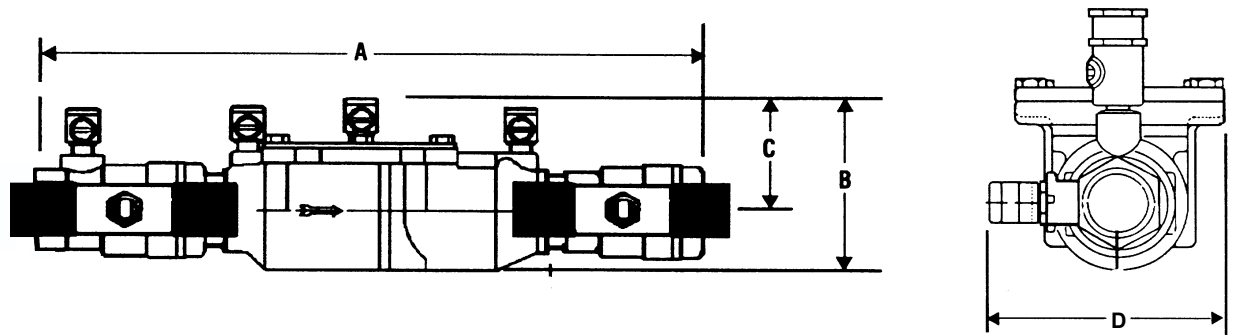
The 2000B should be installed with adequate clearance and easy accessibility for maintenance and testing. The 2000B may be installed vertically or horizontally. Refer to local codes for specific installation requirements.

■ Features

Single access cover for easy servicing.
Cartridge check assembly for long term reliability and ease of serviceability.
Simple service procedures, requires no special tools.
Temperature rated to 180° F.
175 PSI rated working pressure.
Assembly ASSE 1015 approved.
Horizontal or vertical installation.
Wye strainer optional.
Straight through flow-way.
Documented low pressure loss.

AMES^{CO.}
FLUID CONTROL SYSTEMS

MODEL 2000B Double Check Assembly



Ames 2000B - Weights & Dimensions (inches)

SIZE	A	B	C	D	Weight lbs.
1/2"	10"	4 5/8"	2 7/16"	3 1/2"	4 1/2
3/4"	11 1/8"	4"	3 1/8"	3 1/2"	5
1"	13 1/4"	5 1/8"	4"	4"	12
1 1/4"	16 3/8"	5"	3 5/16"	5 1/2"	15
1 1/2"	16 3/4"	4 7/8"	3 1/2"	6"	15 7/8
2"	19 1/2"	6 1/4"	4"	6 1/2"	25 3/4

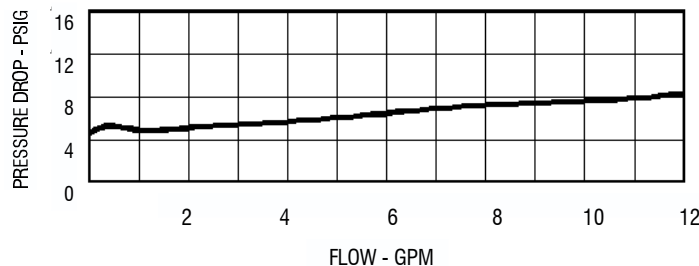
Physical Characteristics

Sizes - 1/2", 3/4", 1", 1 1/4", 1 1/2", 2"
 Rated working pressure - 175 psi
 Temperature range - 33°F - 180°F
 Construction Bronze Body
 Assembly shall be ASSE 1015 approved

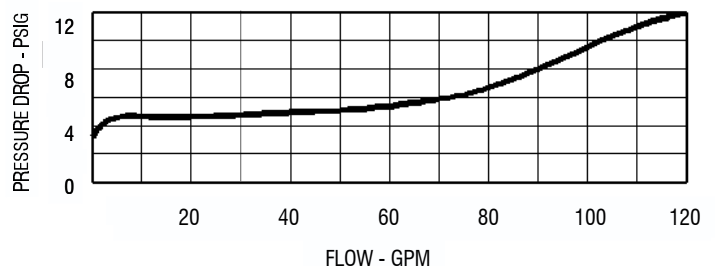
Specifications

The double check shall consist of two independently operated spring loaded cartridge checks, required test cocks, and inlet and outlet resilient seat ball valves. Each cartridge check shall be internally loaded and provide a positive drip tight closure against the reverse flow of liquid caused by back siphonage or back pressure. The modular cartridge check includes a stainless steel spring, rubber faced disc and a replaceable seat. The body shall be manufactured with a single access cover secured with stainless steel bolts. No special tools shall be required for servicing. Double check shall be Ames 2000B.

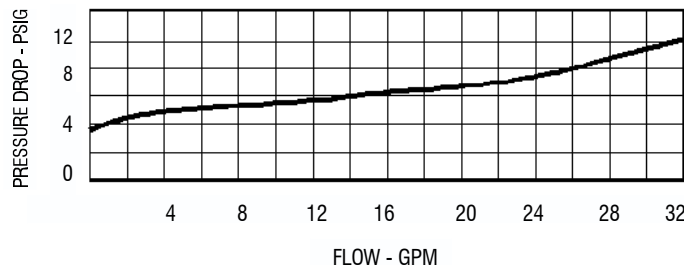
1/2" Documented Flow Characteristics (Including shut-off valves)



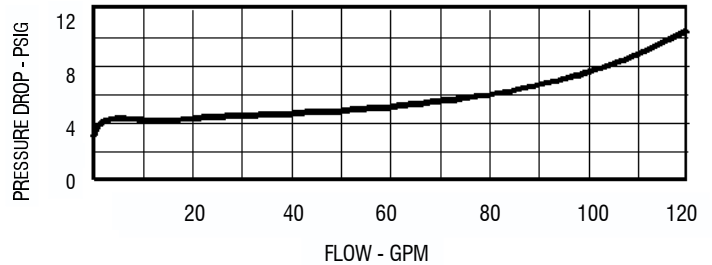
1 1/4" Documented Flow Characteristics (Including shut-off valves)



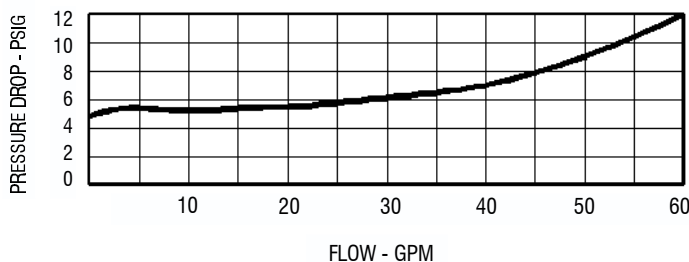
3/4" Documented Flow Characteristics (Including shut-off valves)



1 1/2" Documented Flow Characteristics (Including shut-off valves)



1" Documented Flow Characteristics (Including shut-off valves)



2" Documented Flow Characteristics (Including shut-off valves)

