

SPECIFICATION SHEET

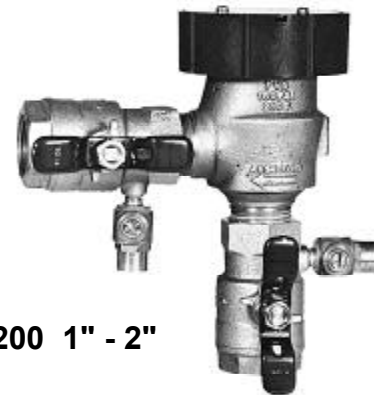
A200 PRESSURE VACUUM BREAKER



- ☑ Durable Bronze Body
- ☑ Silicone Seat Discs
- ☑ Replaceable Seat
- ☑ Test Cocks Designed for Easy Testing and Draining
- ☑ Compact Design
- ☑ No Special Tools Required for Service

AMES MODEL A200 PRESSURE VACUUM BREAKERS are designed to prevent backsiphonage of contaminated water into a potable water supply.

The **Model A200** is ideal for turf irrigation systems, industrial process water systems and other continuous pressure piping system applications where the water enters the equipment at or below its flood rim. The disc float and check valve are suitable for temperatures up to 140 degrees F. The resilient seating float o-ring seal and check seat disc are silicone rubber which is resistant to heat shock and chemical attack.

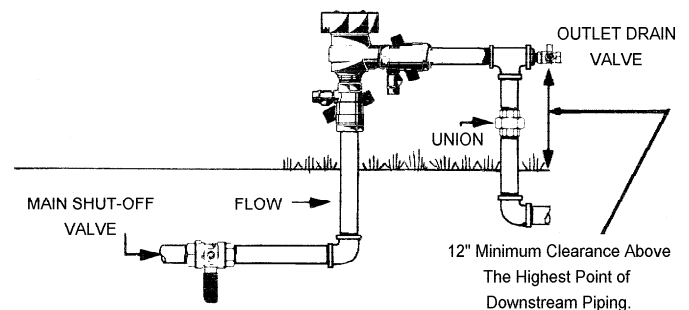


Specifications:

Pressure Vacuum Breakers

A Pressure type anti-siphon vacuum breaker shall be installed where indicated on the plans to prevent the backsiphonage of contaminated water. This assembly is not to be used where there is a possibility that a backpressure condition may develop. The assembly will incorporate an acetal bonnet with a silicon rubber o-ring seal and silicone rubber seat disc. The valve shall have replaceable seats. Check Assembly shall be guided over its full stroke by "V" notched guides.

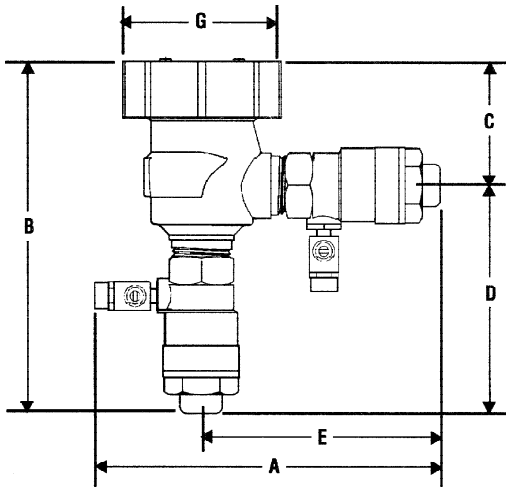
The device shall meet the requirements of ANSI/ASSE Standard 1020, and shall be **Ames Company Inc. Model A200**



AMES COMPANY, INC.

Model A200 Pressure Vacuum Breaker

Dimensions:



Size (in.)	A	B	C	D	E	G	Weight (lbs.)
3/4	6 3/8	6 1/2	2 1/2	4 1/8	4 1/8	2 1/4	1.4
1	7 1/2	7 7/16	2 5/8	4 13/16	4 7/8	3 7/16	2.3
1 1/2	9 1/4	9 7/16	3 1/4	6 1/8	6 3/8	5	13
2	10 5/8	9 3/4	3 1/4	6 3/8	7	5	16

Approvals:

Contact the Factory for Specific Approvals.

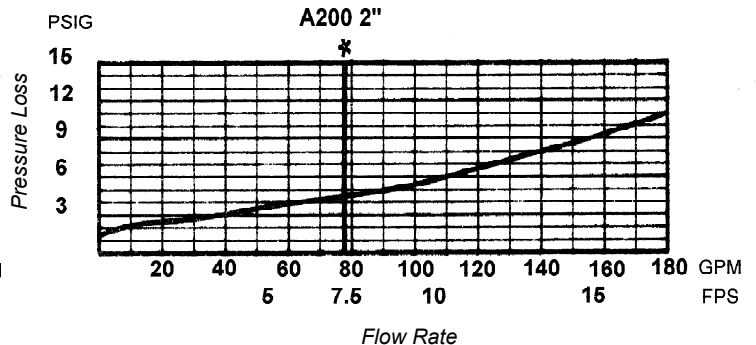
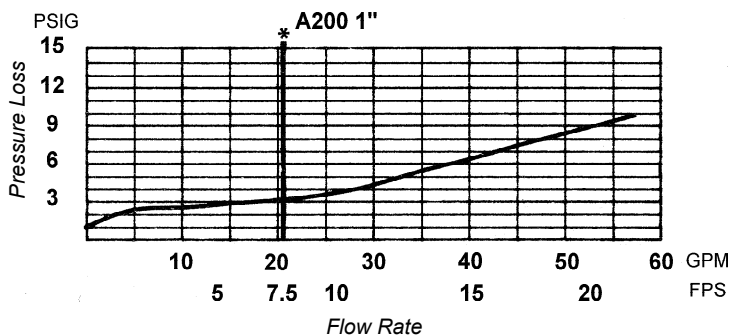
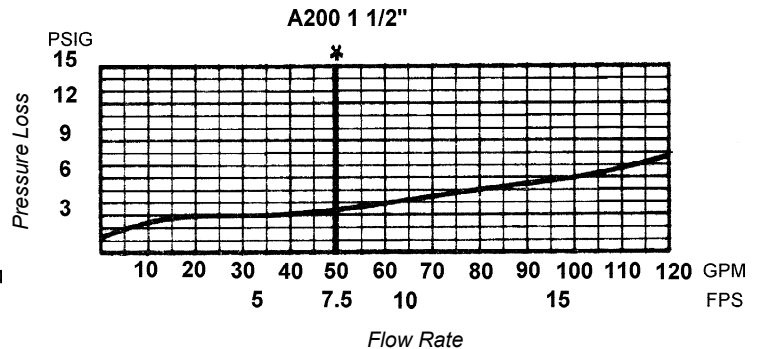
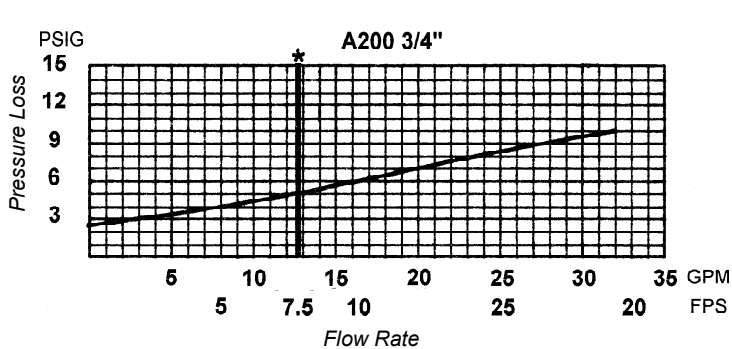
Installation:

This valve is designed for installation in a continuous pressure potable water supply system 12" above the highest point on the downstream piping. The valve must be installed with the supply connected to the bottom and in a vertical position. Allow adequate space for periodic inspection, servicing or testing. The valve should not be installed in an area where freezing or spillage will cause damage. Adequate drainage/freeze protection must be provided in cold weather applications. 1 1/2 PSI must be exerted against the float spring to seal the float and air inlet. Do not undersize supply and discharge piping.

Materials:

Body:	Bronze
Springs:	Stainless Steel
Bonnet:	Celcon
Vent Disc:	Silicone Rubber
Disc Holder Float:	Polypropylene
Check Valve Disc:	Silicon Rubber
Check Valve Seat:	Noryl Plastic
Temperature:	33° F to 140° F
Max. Pressure:	150 PSI
Min. Pressure:	15 PSI

Flow Capacity:



Model A200

Sizes: $\frac{3}{4}$ thru 2

PRESSURE VACUUM BREAKER

- Installation
- Maintenance
- Repair Kits



Installation Instructions

Installation Requirements:

1. Install 12" above highest point of downstream piping.
2. Install bonnet side up and allow for accessibility for testing/service.
3. Install where discharge or spillage is not objectionable.
4. Do not undersize supply or oversize the valve in relation to demand.
5. Protect from freezing.
6. ASSE Standard 1020 requires that the atmospheric vent valve remains open until the valve body pressure exceeds 1 lb. Until this pressure is reached, some amount of spillage will occur at the atmospheric vent. In order to minimize this leakage on start-up close the down stream shutoff valve and open inlet valve quickly.

Recommended Service:

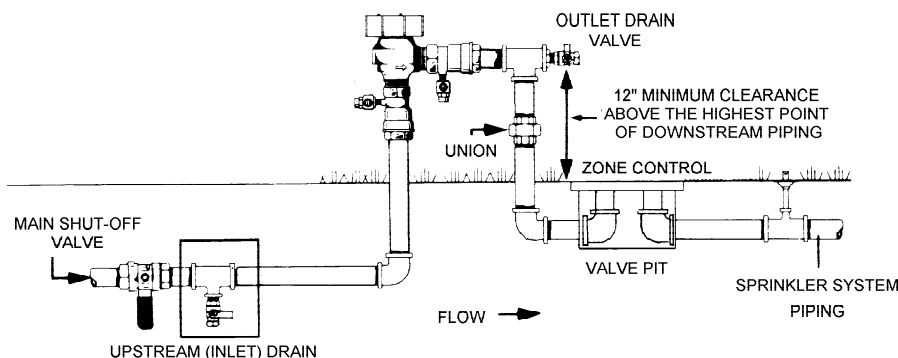
1. Test periodically as required by local jurisdictional authorities.
2. Open test cocks to drain in cold climates if only operated seasonally.
3. Replace rubber goods every 5 years.

Pressure - Temperature

Working Temp: 33° F-140 F

Max. Pressure: 150 PSI

Min. Pressure: 15 PSI



"ATTN. INSTALLER: After installation, please leave this instruction sheet for occupant's information."

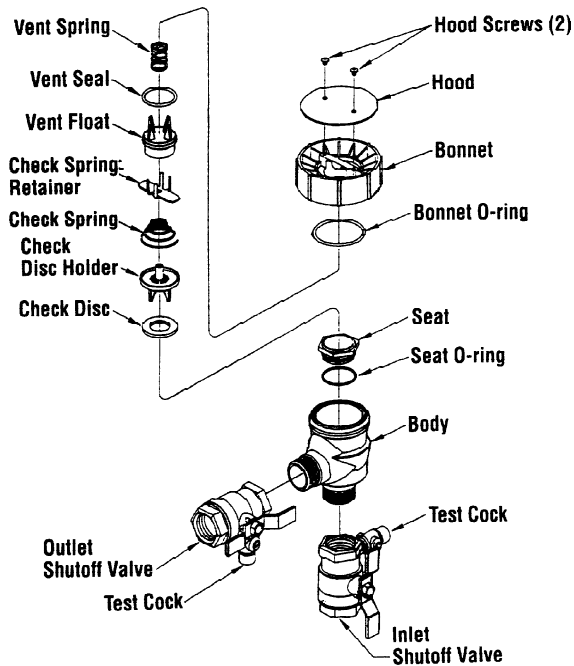
IMPORTANT: Inquire with governing authorities for local installation requirements.

AMES
CO.
FLUID CONTROL SYSTEMS

1485 TANFORAN AVE.
P.O. BOX 1387
WOODLAND, CA 95776
(916) 666-2493
FAX (916) 666-3914

Ames Model A200 Sizes 3/4 to 2

Service, Replacement Parts and Maintenance



IMPORTANT: Inquire with governing authorities for local installation requirements.

A200 REPAIR KITS

Check Kit: Include Check disc assembly (disc and disc holder), Bonnet, O-ring and Spring.

Vent Float Kits: Includes Float vent disc assembly, (vent float, spring) and Bonnet O-ring.

Bonnet Assembly Kits: Include Bonnet, Bonnet O-ring and Vent Spring.

Rubber Parts Kits: Include Vent disc, Check disc and Bonnet O-ring.

Seal Kits: Include Seat, Seat O-ring and Bonnet O-ring.

Internal parts can be removed, repaired or inspected without removing the valve from the piping.

Disassembly:

1. Shut off the supply pressure and drain the valve.
2. Remove the two hood screws and the hood.
3. Place a wrench on the parallel flats of bonnet and stem assembly. Turn counter clockwise and remove.
4. Remove the vent assembly.
5. Press down on the spring retainer and disengage it from the retaining lugs. Then turn 90° and remove.
6. Remove the spring retainer and spring. Note that the large diameter of the spring is down on the guide assembly.
7. Remove the check disc holder and guide assembly.
8. Disassemble the check disc holder assembly.

Reassembly:

Reassemble in the reverse order utilizing the new parts from the repair kit.

Note: Ames assemblies require minimum maintenance. All assemblies must be retested once maintenance has been performed prior to use.

Freeze Protection Guidelines:

Purging of a PVB Assembly with Pressurized Air:

1. Close main shut-off valve.
2. Open upstream drain, test cocks and isolation ball valves to depressurize line.
3. Purge with pressurized line
4. Leave test cocks and isolation ball valve handles in 45° angle to drain ball valves and prevent casting damage

CALIFORNIA PROPOSITION 65 WARNING

This product contains lead, a chemical known to the State of California to cause birth defects or other reproductive harm.
(Plumber: California law requires that this warning be given to the consumer.)

CONSUMER INFORMATION ABOUT CALIFORNIA PROPOSITION 65 WARNING

All faucets and products made of leaded brass alloys, even those that comply with U.S. Environmental Protection Agency regulations, contribute small amounts of lead to water that is allowed to stand in contact with the brass. This product complies with all E.P.A. regulations regarding the amount of lead used in plumbing brass and solder. The amount of lead contributed by any faucet/product is highest when the faucet/product is new.

The following steps will reduce potential exposure to lead from faucets and other parts of the plumbing system:

Always run the water for a few seconds prior to use for drinking or cooking.

Use only cold water for drinking or cooking.

If you wish to flush the entire plumbing system of water that has been standing in the pipes or other fittings, run the cold water until the temperature of the water drops, indicating water coming from the outside main.

If you are concerned about lead in your water, have your water tested by an EPA-certified laboratory in your area.

Limited Warranty (Full description of limited warranty is found in Ames Product catalogue.)

This Ames warranty is expressly in lieu of any other warranties, expressed or implied including without limitation, warranties of MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Ames shall not be responsible for any incidental or consequential damages including without limitation, damages or other costs resulting from labor charges, delays, vandalism, negligence, fouling caused by foreign material, damage from adverse water conditions, chemicals, or any other circumstances over which Ames has no control.

No statement, representation, agreement or understanding, oral or written, made by agent, by an authorized Ames dealer, an Ames representative or employee which is not contained in this limited warranty will be recognized or enforceable or binding upon Ames Company, Inc. Only a written statement signed by and officer of Ames may modify this limited warranty.

Any action for breach of any Ames Warranty must be commenced within one (1) year after date on which cause of action occurred.