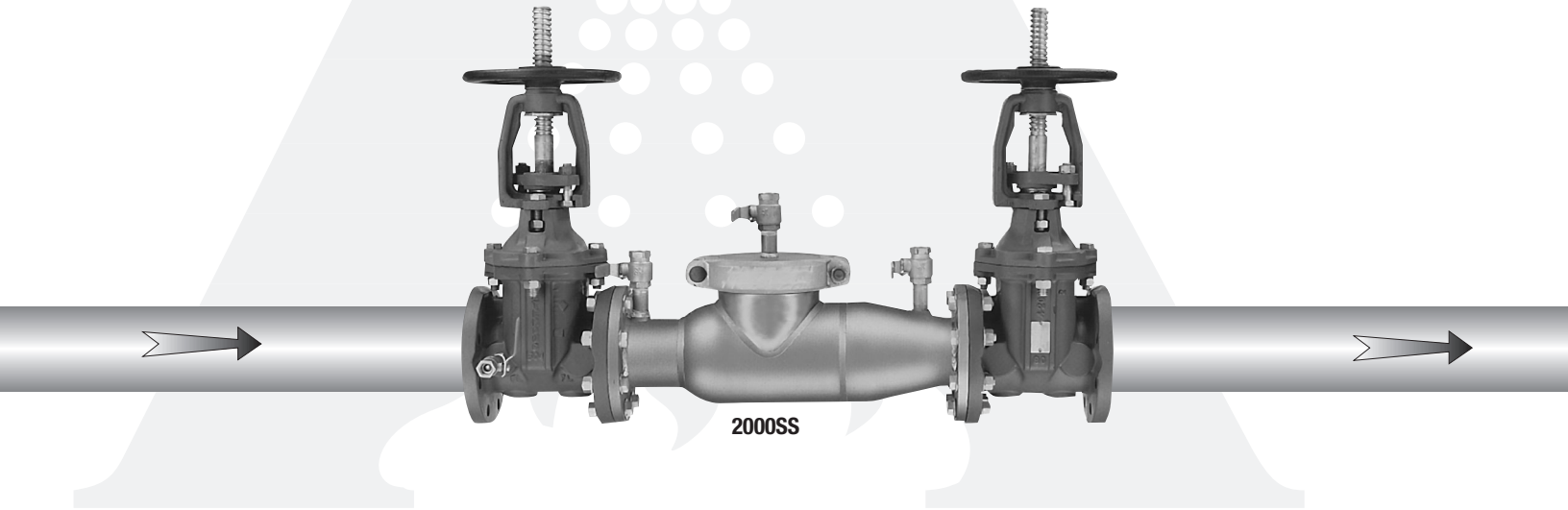


Series 2000SS



Double Check Valve Assemblies & Double Check Detector Assemblies

Sizes: 8" – 12" (200-300mm)

- Installation
- Service
- Repair Kits
- Maintenance

IMPORTANT: Inquire with governing authorities for local installation requirements.

NOTE: For Australia and New Zealand, line strainers should be installed between the upstream shutoff valve and the inlet of the backflow preventer.

It's important that this device be tested periodically in compliance with local codes, but at least once per year or more as service conditions warrant. If installed on a fire sprinkler system, all mechanical checks, such as alarm checks and backflow preventers, should be flow tested and inspected internally in accordance with NFPA 13 and NFPA 25.

Limited Warranty: Ames Fire & Waterworks (the "Company") warrants each product to be free from defects in material and workmanship under normal usage for a period of one year from the date of original shipment. In the event of such defects within the warranty period, the Company will, at its option, replace or recondition the product without charge.

THE WARRANTY SET FORTH HEREIN IS GIVEN EXPRESSLY AND IS THE ONLY WARRANTY GIVEN BY THE COMPANY WITH RESPECT TO THE PRODUCT. THE COMPANY MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED. THE COMPANY HEREBY SPECIFICALLY DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

The remedy described in the first paragraph of this warranty shall constitute the sole and exclusive remedy for breach of warranty, and the Company shall not be responsible for any incidental, special or consequential damages, including without limitation, lost profits or the cost of repairing or replacing other property which is damaged if this product does not work properly, other costs resulting from labor charges, delays, vandalism, negligence, fouling caused by foreign material, damage from adverse water conditions, chemical, or any other circumstances over which the Company has no control. This warranty shall be invalidated by any abuse, misuse, misapplication, improper installation or improper maintenance or alteration of the product.

Some States do not allow limitations on how long an implied warranty lasts, and some States do not allow the exclusion or limitation of incidental or consequential damages. Therefore the above limitations may not apply to you. This Limited Warranty gives you specific legal rights, and you may have other rights that vary from State to State. You should consult applicable state laws to determine your rights. **SO FAR AS IS CONSISTENT WITH APPLICABLE STATE LAW, ANY IMPLIED WARRANTIES THAT MAY NOT BE DISCLAIMED, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO ONE YEAR FROM THE DATE OF ORIGINAL SHIPMENT.**



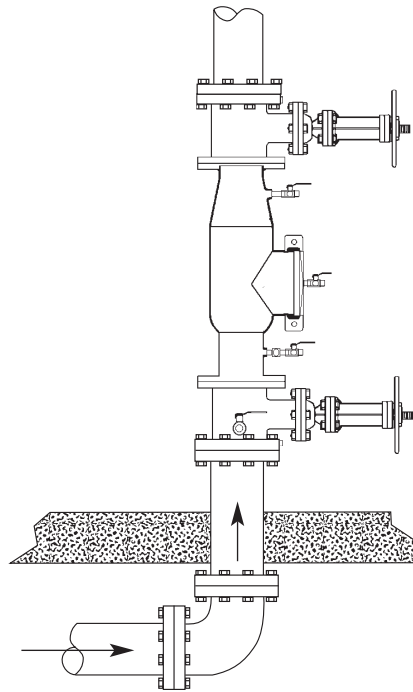
Installation Instructions

Please Read Prior to Installation:

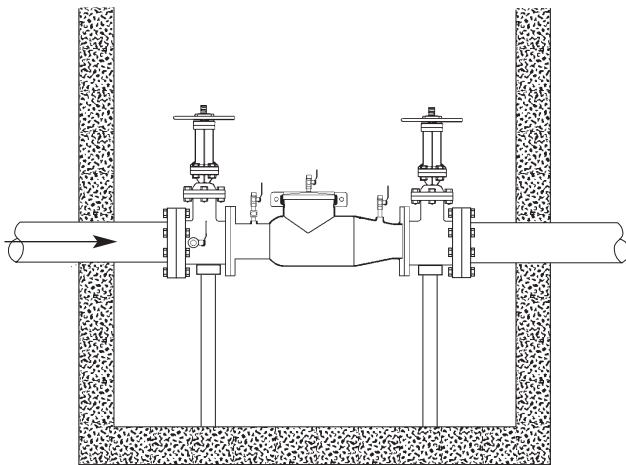
1. Before installing any Ames assembly, **Flush the Line thoroughly** to remove all debris, chips and other foreign objects. Failure to do so may make the assembly inoperable.
2. The Ames 2000SS Backflow Preventers are approved by ASSE (American Society of Sanitation Engineers) to be installed in horizontal or vertical positions. **Local water authorities must approve all installation configurations.**
3. **Allow sufficient clearance around the installed assembly to conduct testing,** servicing, and inspection. Allow a minimum of 12" from the flood level to the bottom of the assembly.
4. **Be sure to contact local code authorities for proper installations.**
5. If installing on fire protection system, be sure to purge air from fire system. Fill system slowly with all inspectors test valves open.

Attention Installer: After installation, please leave this Instruction Sheet for occupant's information.

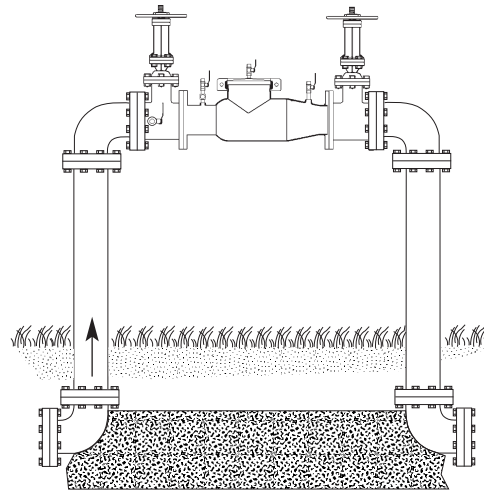
Vertical Installation ASSE



Indoor Installation



Outdoor Installation



Detailed Parts Listing

Parts Table #1			Ames Part No.		
Item #	Part Description	Qty	8" (200mm)	10" (250mm)	12" (300mm)
1.	#1 Cam-Check	1	7015569	7015569	7015569
2.	#2 Cam-Check	1	7015569	7015569	7015569
3.	#1 Cam-Check O-ring	1	7011610	7011610	7011610
4.	#2 Cam-Check O-ring	1	7011610	7011610	7011610
5.	Ball Valve	4	A000449	A000449	A000449
6.	Cover Plate	1	7013495	7013495	7013495
7.	Groove Coupler	1	7018150	7018150	7018150
8.	Washer, shutoff disk	1	7013499	7013499	7013499
9.	Groove Coupler Gasket	1	7014806	7014806	7014806

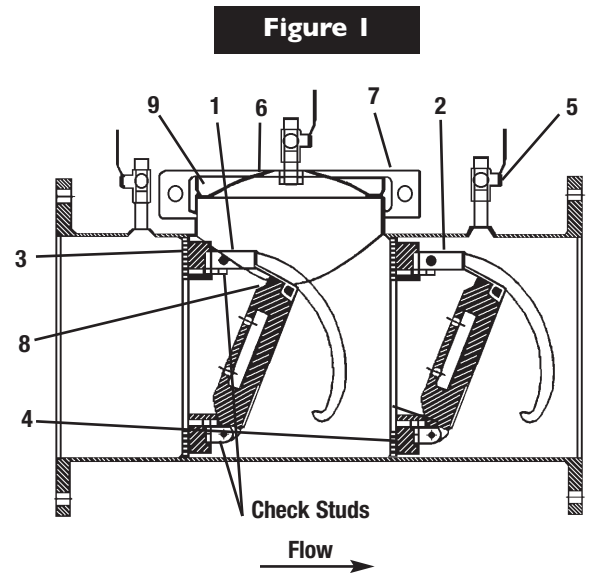


Figure 2

#1 Cam-Check

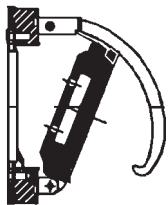


Figure 3

#2 Cam-Check DC

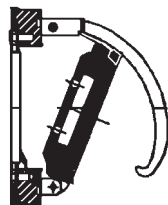
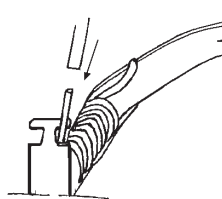


Figure 4



Maintenance Instructions

NOTE: Ames assemblies require minimum maintenance. All assemblies must be retested once maintenance has been performed. Before servicing be certain shutoff valves are closed.

Removing Cam-Checks

- Shut down water system and lock out system if possible. Slowly open all ball valves to relieve air and water pressure. Loosen bolts on groove coupler and remove groove coupler and cover plate from valve body.
- #1 CHECK (Fig. 2)**
Using a $\frac{9}{16}$ " socket wrench or nut driver, remove the four nuts from the #1 check studs (See fig.1). Using two hands, place them at 12 o'clock and 6 o'clock, wiggle the check assembly free. Remove through access port with back of clapper first with spring end down. Pull check assembly out of main body.
#2 CHECK (Fig. 3)
After loosening bolts with a $\frac{9}{16}$ " socket, remove bolts completely. Using the centerline access bar, spin the cam assembly from the 9 o'clock position to the 12 o'clock position, then (without letting go of the access bar) push the cam assembly slightly downstream so that the clapper is now parallel to the valve body. Now bring the cam assembly through the check retaining wall. Leave the cam assembly clapper parallel to the valve body. Pull the cam assembly through the access port.
- Using a $\frac{3}{8}$ " nut driver or a piece of small diameter pipe, place on the cam arm torsion spring and move away from and around the torsion spring retaining bracket so as to relieve the torsion spring tension. (See Figure 4.) This will allow the cam arm to move freely, enabling you to inspect the clapper face and cam seat. Thoroughly clean the seat area and clapper sealing surfaces, cam arms, and O-rings for damage, nicks, and debris. If damaged, install a new check assembly O-ring, or washer, shutoff disk.
- Before reinstallation of check assembly, thoroughly clean O-ring groove and lubricate O-ring with F.D.A. approved lubricant.