Installation Instructions
Air Gap

⚠ WARNING

Read this Manual BEFORE using this equipment.

Failure to read and follow all safety and use information can result in death, serious personal injury, property damage, or damage to the equipment.

Keep this Manual for future reference.

⚠ WARNING

You are required to consult the local building and plumbing codes prior to installation. If the information in this manual is not consistent with local building or plumbing codes, the local codes should be followed. Inquire with governing authorities for additional local requirements.

⚠ WARNING

Need for Periodic Inspection/Maintenance: This product must 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 suppression system, all mechanical checks, such as alarms and backflow preventers, should be flow tested and inspected in accordance with NFPA 13 and/or NFPA 25. All products must be retested once maintenance has been performed. Corrosive water conditions, and/or unauthorized adjustments or repair could render the product ineffective for the service intended. Regular checking and cleaning of the product's internal components helps assure maximum life and proper product function.

Ames Air Gap Drains are designed to collect water that is being discharged by the relief valve, due to minor check valve fouling and/or line pressure fluctuations.

NOTICE

Air Gap Drains are not designed to collect the full discharge capacity of the relief valve.

Testing

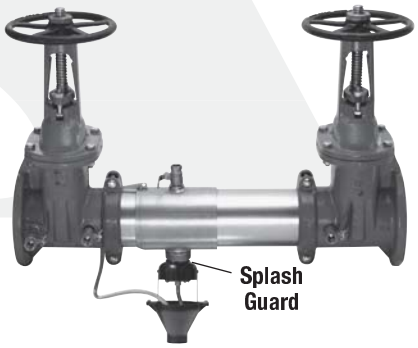
For field testing procedure, refer to Ames installation sheets IS-A-ATG-1 found on **www.amesfirewater.com.**

For other repair kits and service parts, refer to our Backflow Prevention Products Repair Kits & Service Parts price list PL-A-RP-BPD found on **www.amesfirewater.com.**

For technical assistance, contact your local Ames representative.

Series 400 and 500 Air Gaps

Sizes: 2½" - 10" (65 – 250mm)**



1. Remove L shape bracket from one side of air gap drain.
2. Remove screw from one side of the splash guard.
3. Slide one half of the splash guard into the groove on the relief valve body.
4. Slide the other half of the splash guard into the groove on the relief valve body and reassemble the two parts together.
5. Reattach the L shape brackets long side up into slots in the splash guard with screws.
6. Push as much of the sensing hose as possible into the air gap drain funnel to prevent over spray.

** Metric Dimensions are nominal pipe diameter. This product is produced with NPT threaded end connections.

Series 4000SS and 5000SS Air Gaps

Sizes: 2½" - 10"
(65 – 250mm)**



Horizontal

⚠ CAUTION

Shut Off Water Supply

1. Remove two of the relief valve capscrews 180° apart.
2. Remove the relief valve hose from fitting below inlet ball valve.
3. From the top of the air gap, thread the relief valve hose down and out the slot.
4. Use ¼" - 20 UNC x 1" long stainless steel screws.
5. Reconnect relief valve hose to the fitting below the inlet ball valve (Fig. 1).

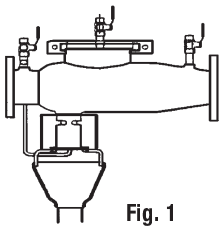
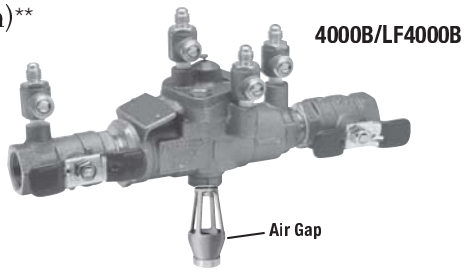


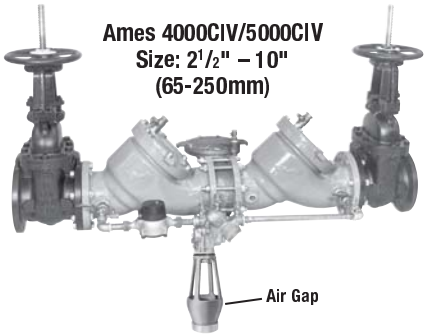
Fig. 1

** Metric Dimensions are nominal pipe diameter. This product is produced with NPT threaded end connections.

Series 4000B, LF4000B, 4000CIV and 5000CIV Air Gaps

Sizes: ¼" - 10"
(8-250mm)**





1. Air Gap installs easily to the bottom of the 4000B/LF4000B, 4000CIV, or 5000CIV backflow assembly relief valve.
2. Attach to the outlet of the relief valve using screws.

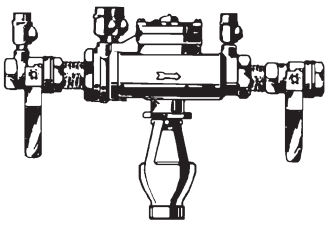


Figure 3

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.
For more information: www.watts.com/prop65

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.
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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.
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