

# INSTALLATION INSTRUCTIONS



710 1" - 2" (25-50mm)



715 1/2" - 3/4" (15-20mm)

## Series 710, 715

### Atmospheric Vacuum Breakers

Sizes: 1/2" - 2" (15 - 50mm)

## Installation Instructions

- Consult local codes for specific requirements and restrictions applicable to your area. It is recommended that system supply pressure be at least 20psi (138 kPa).
- These instructions apply to the FEBCO series 710/715 AVB sizes 1/2" - 2" (15 - 50mm) only. The valve may be installed only in the orientation/ flow direction as shown.
- Clearances shown in the installation view apply to the exterior and interior valve installations and are only recommendations. These minimums do not apply to removable protective enclosures. Refer to local codes for actual requirements in your area.
- PRIOR TO INSTALLING THE VALVE INTO THE LINE, FLUSH THE SUPPLY LINE OF ALL FOREIGN MATERIAL.** Failure to flush supply line may cause the poppet valve to become fouled and require disassembly and cleaning. The device should be installed where some spillage is not objectionable, as instantaneous siphon conditions and pressure surges may cause "spitting".
- There may not be any shutoff or control valve downstream of the device. When threading the device inline, place the wrench only on the hex ends. Keep pipe dope (sealant) off the interior surfaces of the valve. The device cannot be under continuous pressure for more than 12 hours in a 24 hour period.
 

**NOTE:** All assemblies are tested at the factory for proper operation and leakage. If the valve leaks, it is most likely due to a fouled poppet valve. This is not covered by the factory warranty. The valve cover(s) must be removed and the check seats inspected and cleaned. Any damage or improper operation caused by pipeline debris or improper installation/ startup is not included in the factory warranty.

In case of a possible warranty claim, contact your local supplier or FEBCO Representative. **DO NOT REMOVE THE VALVE ASSEMBLY FROM THE PIPELINE.**
- The assembly must be protected from freezing and excessive pressure increases. Pressure increases can be caused by thermal expansion or water hammer. These excessive pressure situations must be eliminated to protect the valve and system from possible damage.

**Limited Warranty:** FEBCO 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.**



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IS-F-710/715AVB 0845

EDP# 980017

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## Service and Maintenance

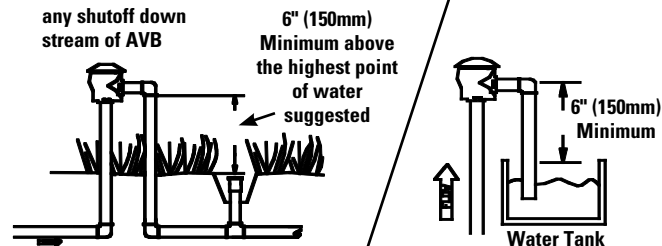
To replace the internal poppet assembly remove the top bonnet by unthreading from the body. Replace the poppet with the repair parts shown below. Lubricate the top bonnet by applying a thin coating of FDA approved lubricant on the O-ring and reassemble by threading the top bonnet into the body.

### Poppet Repair Kit

SIZE		PART NUMBER
in	mm	
1/2"	15	905046
3/4"	20	905046
1"	25	905549
1 1/4"	32	905550
1 1/2"	40	905551
2"	50	905552

### Typical Installation

**Note:** Unit cannot have any shutoff down stream of AVB



#### CALIFORNIA PROPOSITION 65 WARNING

**WARNING:** This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. (California law requires this warning to be given to customers in the State of California.)

For more information: [www.watts.com/prop65](http://www.watts.com/prop65)

