



Instruction Manual Applying to all A1700 Series Back Check Valves for NH₃ or LP-Gas

December 2012

Form FVC 003 - Rev 02

IMPORTANT: KEEP THIS DOCUMENT WITH THE PRODUCT UNTIL IT REACHES THE END USER.

WARNING!

1. Contact with or inhalation of Liquid Anhydrous Ammonia (NH₃) or of LP Gas can cause **SERIOUS INJURY OR DEATH**.
2. Before installation or removal of any tank valve, the system must be purged of all product.
3. Personal Protective Equipment (PPE), safety gloves, goggles and clothing should be worn.
4. For proper handling and storage of NH₃, and Liquefied Petroleum Gas refer to ANSI Standard K61.1 and NFPA Pamphlet 58.
5. An abundant supply of fresh water should be available to provide immediate first aid treatment for exposure to NH₃ and LP-Gas.
6. To prevent the accidental opening of any valve, never grasp or carry a valve by its Hand wheel or handle.
7. To ensure long term safe operation, the manufacturer recommends that under normal service conditions this product should be inspected at least once every year and be repaired or replaced as required.

TOOLS REQUIRED: Safety Equipment (i.e. gloves, goggles, and clothing), 12" Adjustable Wrench, 7/16" Open End Wrench, and 12" Pipe Wrench.



1. Back check valves are intended to limit liquid or vapor flow to one direction. They may be used in conjunction with shutoff valves or single back check filler valves.
2. Manually operate the back check valve's stem before installation to assure parts were not damaged in shipment or blocked with dirt or foreign material.
3. Use pipe dope on the male threads of the valve or the pipeline. *Note:* Keep pipe dope away from the O-Ring in the disc on models AL1725, AL1727, AL1728 and AL1729 Back Checks. Excessive pipe dope may cause valves to leak. Make sure flow is in the direction of the arrow stamped on the body, see illustration. Large size valves may require an extra length of pipe on the wrench handle to provide increased installation torque.
4. The back check valve should be checked periodically for corrosion, spring breakage, binding, or other cause why the valve may not function properly and be replaced if any of these conditions are discovered. This must be done by physically inspecting the valve. **Make sure the system is empty of product before removing.**

A Restriction Upstream or Downstream Of An Excess Flow Valve That Does Not Allow A Flow Equal To The Valve Flow Rating Will Not Allow The Valve To Actuate Regardless Of A Break Downstream Of The Valve.

TESTING THE EXCESS FLOW VALVE

Squibb-Taylor warrants the product identified herein to be free from defects in material and workmanship under normal use and service. If, within one year from the date the product is shipped from the factory, any unit fails to meet customer satisfaction, it will be replaced free of charge by Squibb-Taylor, FOB Dallas, Texas.

The owner's responsibility is for normal maintenance and any servicer's travel and labor charges.

This warranty applies only when the product is used for consumer use within the United States and Canada and is installed and used in accordance with all applicable national, state, and local codes, regulations, and laws.

This warranty shall not apply if the product has been subjected to unreasonable use, negligence, accident in transit, alteration, improper installation or misapplication.

Squibb-Taylor shall not be liable for any default or delay in performance under this warranty caused by any contingency beyond its control including without limitation war, government restrictions or restraint, strikes, fire, flood, or a shortage or reduced supply of raw material.

There are no express warranties other than set forth above. All implied warranties including the implied warranties of merchantability and fitness for a particular purpose are limited to the duration of the express warranties set forth above. Liability for consequential damages under this warranty is excluded to the extent exclusion is permitted by law. This warning gives you certain rights and you may have other rights which vary from state to state.

While this information is presented in good faith and believed to be accurate, individuals using this literature must exercise their independent judgment in evaluating product selection and determining product appropriateness for their particular purpose, system requirements and certifications. The manufacturer reserves the right to change product designs and specifications without notice.