



A2231/A2241 & A2232/A2242 INTEGRAL SHEAR CHECK LOCK

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Squibb-Taylor Inc. would like to provide you with information regarding the hazards associated with anhydrous ammonia (NH₃) equipment. All products must be installed and maintained in accordance with ANSI CGA G.2.1 for NH₃, as well as all other applicable state, federal and local requirements. In the interest of safety, all persons employed in handling NH₃ must be trained in proper handling and operating procedures.

Our products are mechanical devices that are subject to wear, contaminants, corrosion, and aging of components made of materials such as rubber and metal. Over time these devices will eventually become inoperative. The safe service life of these products is affected by the environment and conditions of use that they are subjected to. Our products have a long record of quality and service, so managers and service personnel must keep in mind the hazards that can arise from using aging devices that have outlived their safe service life.

!!! WARNING !!!



WARNING: These products contain a chemical known to the state of California to cause cancer and birth defects or reproductive harm

Contact with, or inhalation of anhydrous ammonia, and their vapors can cause serious injury and death. NH₃ must be released outdoors in air currents that will ensure dispersion to prevent exposure to people and livestock and in accordance with local regulations. An abundant supply of clean water must be readily available and easily accessible as a means of providing IMMEDIATE First Aid treatment for exposure to anhydrous ammonia.

!!! CAUTION !!!

- Always wear suitable eye protection, gloves and protective clothing when operating or servicing NH₃ equipment.
- Check seals, seats and Acme threads for wear and damage before use. Repair or replace all defective parts immediately.
- Always completely relieve system or line pressure prior to servicing equipment and plumbing.
- Use a suitable sealant on tapered pipe joints and always pressure test for leaks prior to returning to service.
- Always replace protective dust caps after use.
- To prevent the accidental opening of any valve, never carry or grasp a valve by its hand wheel or handle.
- To prevent accidental discharge, introducing contaminants and premature wear, never intentionally drag or drop a hose end valve, or safety coupler.
- Regular inspection and maintenance is essential for continued safe operation.

Hose End and Shear Valves

Follow this procedure on every filling application in order to prevent hazardous conditions:

- Check hose end valve and shear valve for foreign materials and, if present, remove with extreme care. If foreign material cannot be safely removed, do not proceed with filling, transferring or otherwise using, and replace valve.
- Make sure the Acme safety coupler easily spins on by hand. Never use hammers or pipe wrenches to tighten Acme connections.
- If a leak is detected when filling/transferring is started, immediately stop the operation and follow procedures to correct the leaking condition.
- Before disconnecting a hose end valve, close both the tank shut off valve and hose end valve tightly and vent the trapped gas by (a) using the vent on the hose end valve or (b) slightly loosening safety coupling nut to vent the gas before disconnecting. Loosen the filler safety coupler very slowly. If the gas does not stop venting, then there is a leak in the shear valve or hose end valve. Do not disconnect the safety coupler. Make sure you are familiar with your companies' procedure for handling this hazardous situation and follow it carefully.

Integral Shear Valve

Check emergency shear valve for foreign material or debris, if foreign material or debris cannot be removed safely, do not proceed with using the valve, and replace valve. Verify withdraw valve is in the closed position prior to coupling or uncoupling to minimize bypassing product.

Note: Male Shear ACME only works with special filler coupling: A2241S will only work with A2231FS, and A2242S will only work with A2232FS. The A2231FS will work with most 1½ ACME fitting, and the A2232FS will work with most 2½ ACME fitting. An ACME o-ring must be present in the male ACME to achieve a proper seal.

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PRODUCT SPECIFICATIONS

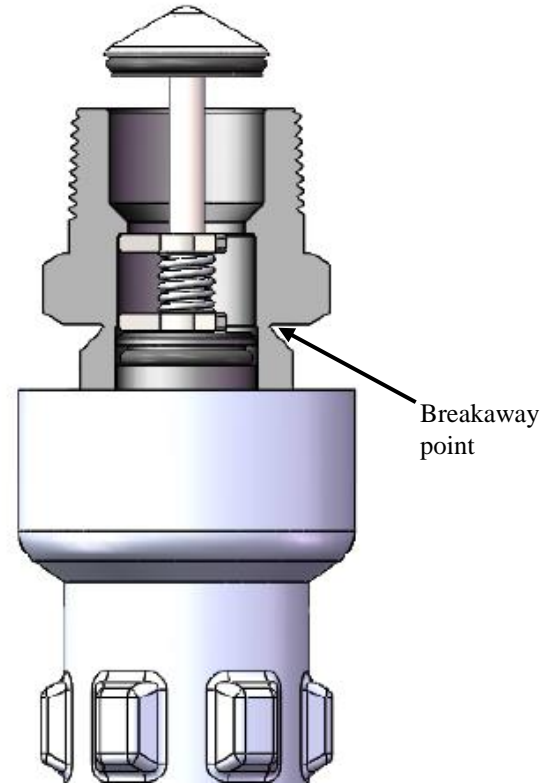
A2241S – 1¾ ACME - Flow Rating = 45 GPM

A2242S – 2¾ ACME - Flow Rating = 60 GPM

Break Force = 400lbs – 600lbs at a 0° - 60° lateral pull from the connection.



A2242S WITH A2232FS



A2241S WITH A2231FS

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