

1513.0170 HOSE SPECIFICATIONS.

Subpart 1. **Standards.** Hose used in ammonia service and subject to container pressure must conform to the American National Standard RMA IP-14, Specifications for Anhydrous Ammonia Hose.

Subp. 2. **Pressures.** Hose subject to container pressure must be designed for a minimum working pressure of 350 psig and a minimum burst pressure of 1,750 psig. Hose assemblies, when made up, must be capable of withstanding a test pressure of 500 psig.

Subp. 3. **Design of hoses and connections.** Hose and hose connections located on the low pressure side of flow control, or pressure reducing valves on devices discharging to atmospheric pressure, must be designed for the maximum low side working pressure. All connections must be designed, constructed, and installed so that there will be no leakage when connected. Shut-off valves on the end of liquid and vapor transfer hoses must be equipped with bleed valves to enable the operator to bleed off pressure before disconnecting the hoses.

Subp. 4. **Transfer hose.** If a transfer hose is not drained of ammonia upon completion of transfer operations, the hose must be equipped with an approved shut-off valve at the discharge end. Provision must be made to prevent excessive hydrostatic pressure in the hose under part 1513.0180, subpart 11.

Subp. 5. **Information on hose.** All hose that is one-half inch outside diameter or larger and that is used in ammonia service and subject to container pressure, must have etched, cast, or impressed at five foot intervals on the outer hose cover the following information:

- A. anhydrous ammonia;
- B. XXX psig (maximum working pressure);
- C. manufacturer's name or trademark; and
- D. year of manufacture or expiration.

Statutory Authority: *MS s 18C.121*

History: *21 SR 277*

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