



Ammonia Gas Feed Systems

The Hydro Instruments ammonia gas feeding equipment is essentially the same as the chlorine gas equipment. However, certain parts used in ammonia equipment are constructed of different materials for optimum chemical resistance.

Direct Cylinder Mounting

Hydro Instruments manufactures and recommends the use of direct cylinder mounting vacuum regulators for maximum safety. Hydro Instruments manufactures vacuum regulators for direct cylinder mounting on 100 and 150 lb. cylinders only. The principle is the same as with chlorine gas equipment. Pressurized lines should be eliminated because they present the possibility of a pressurized leak. However, there are situations where it is convenient to use a manifold and in such cases, all safety precautions must be rigorously taken to avoid accidents.

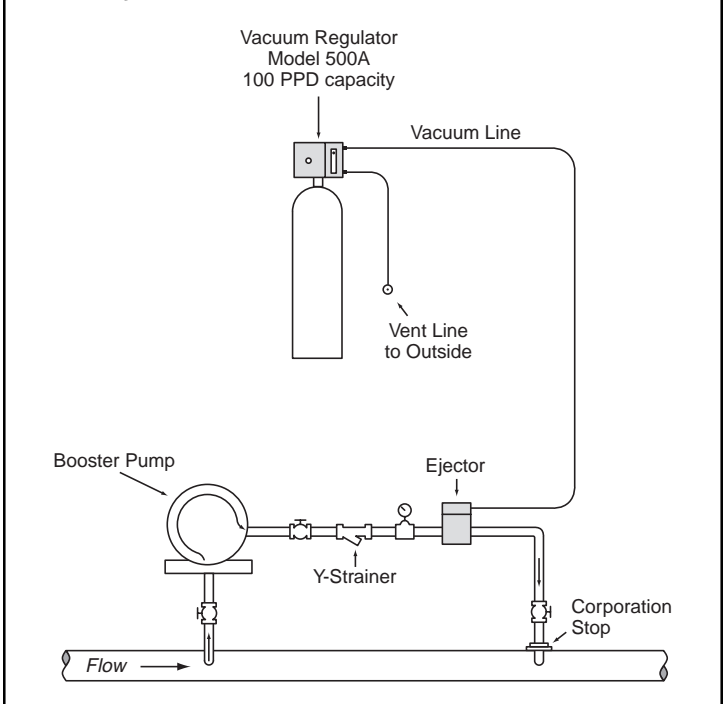
Pressure Manifolds

Hydro Instruments manufactures manifolds for ammonia gas. Each manifold includes an ammonia pressure reducing valve, a drip leg, and a drip leg heater. The standard manifold is for connection to a single cylinder, but custom manifolds can be made to order.

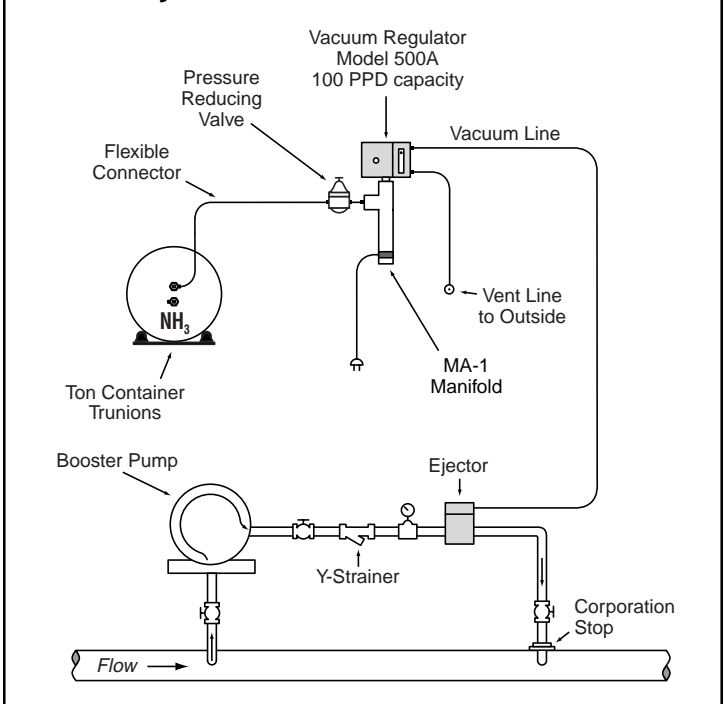
Anhydrous Ammonia Gas Feed Systems

As with chlorine gas, modular system design allows for a variety of system configurations. Automatic switchover systems are available. Also, the Hydro Instruments microprocessor based **Autovalve** is available for automated ammonia feed rate control.

Direct Cylinder



Manifold System



INSTRUMENTS



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