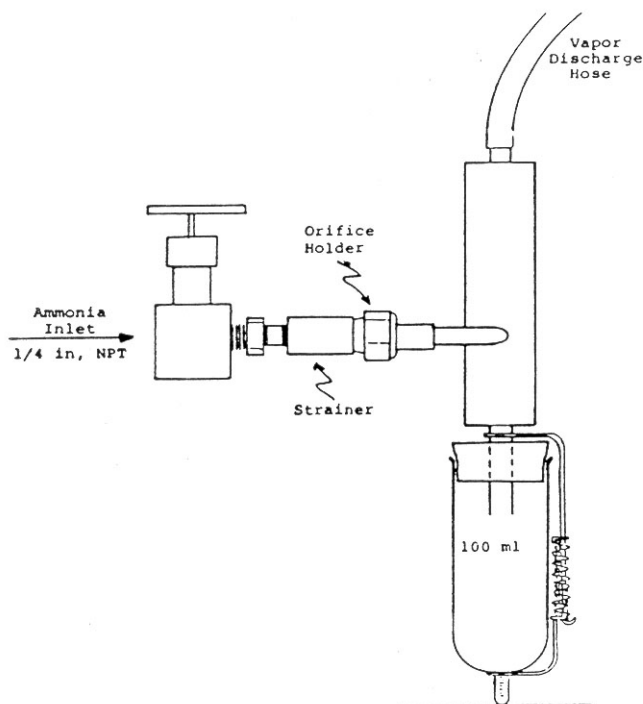


## ANHYDROUS AMMONIA COLD-FLO SAMPLER

The Cold-Flo Sampling Converter allows safe and convenient sampling of liquid anhydrous ammonia by producing a stream of liquid ammonia refrigerated to -28 degrees F. The flow of this stream is restricted to a low value by an orifice plate installed on the inlet line. At -28 degrees F the pressure generated by liquid anhydrous ammonia is equivalent to atmospheric pressure. therefore, the liquid entering the glass test tube is not flashing and is relatively quiescent. It is producing vapor at a rate dictated solely by its ability to absorb ambient heat. This results in much greater safety and convenience for sampling personnel.

A complete sampling unit consists of a shut-off valve, orifice plate holder, converter, vapor hose and glass test tube. Vapor hose is provided by the user. Personnel should observe appropriate ammonia safety procedures.



Contact your nearest LaRoche Industries Inc. Industrial Products Group Sales Office for additional information.

Reference: IIAR Bulletin No. 108, "Water Contamination in Ammonia Refrigeration Systems" - Appendix A.  
International Institute of Ammonia Refrigeration  
111 East Wacker Drive, Suite 600  
Chicago, IL 60601 (312/644-6610)

TB-3-4  
Rev. 1/91

The technical data in this bulletin are based on information which we believe to be accurate. However, nothing in this bulletin is to be construed as an expressed or implied warranty. Regarding the accuracy of the data or the use of any of the products herein described. Nothing contained herein should be considered as a recommendation for the use of any product or method in violation of any valid patent now effective or which may issue hereafter. All risks of liability rest solely with the user of the data or products herein described.

**LaRoche Industries Inc.**  
1100 Johnson Ferry Rd. N.E. / Atlanta, GA 30342  
(404) 851-0355