

# CONTINENTAL NH3 PRODUCTS

## INSTALLATION, OPERATION, REPAIR AND MANTINANCE INSTRUCTIONS

### PRODUCT SERIES: A-400, A-400-A, A-400-B, A-400-C

**ATTENTION:** Please follow all of the instruction in this manual carefully and read the entire manual completely, failure to do so may cause the product to function improperly or fail causing serious injury or death.

**DANGER**  **DANGER**

**ANHYDROUS AMMONIA IS AN INHALATION HAZARD AND WILL CAUSE SERIOUS INJURY OR DEATH. PLEASE USE EXTREME CAUTION WHEN HANDLING IT OR PERFORMING ANY MAINTENANCE ON EQUIPMENT USED FOR ANHYDROUS AMMONIA.**

**ATTENTION:** Before performing any installation, operation, repair or maintenance please follow the instructions below.

1. You must be certified to work with anhydrous ammonia. If you are not please seek out the appropriate agricultural department to attend a class to obtain the proper certification.
2. Wear appropriate safety goggles, gloves and breathing apparatuses.
3. Drain all tanks, hoses and piping of anhydrous ammonia COMPLETELY before removing, installing, performing maintenance or repairing any equipment.
4. Always remove device from service before performing any maintenance or repair
5. have sufficient water near by
6. Obey all local, state and federal laws regarding the handling of anhydrous ammonia

### **INSTALLATION & OPERATION**

1. This product is a hydrostatic relief valve and is designed to be installed into a 1/4" pipe thread port to protect hose and pipe assemblies from rupturing.
2. Any hose or pipe assembly that can be isolated should have a hydrostat installed in to it.
3. Pay close attention to the relief pressure of the A-400 and install the appropriate model as listed below

|         |         |
|---------|---------|
| A-400   | 375 PSI |
| A-400-A | 312 PSI |
| A-400-B | 250 PSI |
| A-400-C | 350 PSI |
4. Relief pressure is plus or minus 10 percent of set pressure
5. Use thread sealant on threads to prevent leaking and installing into 1/4" pipe thread connection and tighten with wrench.
6. Make sure dust cap is installed on to A-400
7. Make sure the relief port of the valve is pointing in a safe direction. If the pressure in the hose assemble reaches the pressure relief stamped on the valve the A-400 will release liquid Anhydrous Ammonia in to the air to relieve the pressure in the hose. If it's not pointing into a safe direction someone could be severely injured.
8. We recommend replacing the A-400 series hydrostat relief valves every 5 years

### **MAINTENANCE**

1. Keep valve clean and free from debris.
2. Make sure dust cap is installed
3. If leaking from the relief valve port replace valve immediately.
4. If leaking form the pipe threads try tightening the valve with a wrench, if this fails replace valve immediately.

### **REPAIR**

1. There is no repairing this product, replace valve with new one.

**QUESTIONS CALL 800-537-5642**