

# CONTINENTAL NH3 PRODUCTS

## INSTALLATION, OPERATION, REPAIR AND MAINTENANCE INSTRUCTIONS

### PRODUCT SERIES: A-15BC

**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 an in-line back check valve designed to prevent the backflow of Anhydrous Ammonia.
2. It must be installed in the correct direction. If installed backwards it will not function. There is a flow arrow on the inlet portion of the valve indicating the direction of flow.
3. Install this valve in any section of pipe or hose where the back flow of ammonia is not desired.
4. Use thread sealant on threads to prevent leaking and tighten with wrench.

### **MAINTENANCE**

1. Check valve regularly for leaks and wear.
2. Keep valve clean and free from debris.
3. If leaking from the pipe threads try tightening the valve with a wrench, if this fails replace valve immediately.
4. Periodically inspect the valve for wear and leaks.

### **REPAIR**

1. Remove unit from service by following the above ATTENTIONS AND CAUTIONS.
2. If the valve is leaking internally, allowing product to back flow, or externally install a repair kit immediately.
3. REMOVE SET SCREW SWV-17 WITH THE A 5/64" ALLEN WRENCH. THIS MUST BE DONE FIRST, IF NOT REMOVED BEFORE REMOVAL OF THE INLET ADAPATOR IT WILL DAMAGE THE UNIT.
4. Use a wrench to remove the inlet adaptor SWV-02-BC-G, replace the SWV-13-G o-ring
5. Use a 5/32" allen wrench to remove the JJ2L-2520-50 allen screw and replace the SWV-07-G seat gasket and replace the seat washer and reinstall the JJ2L-2520-50 allen screw. DO NOT OVER TIGHTEN.
6. Reinstall the SWV-02-BC-G inlet adaptor and tighten firmly with a wrench.
7. Reinstall the SWV-17 sent screw and tighten firmly with 5/64" allen wrench.
8. If ammonia is leaking from the stem please replace the valve.

**QUESTIONS CALL 800-537-5642**