

# CONTINENTAL NH3 PRODUCTS

## INSTALLATION, OPERATION, REPAIR AND MAINTINANCE INSTRUCTIONS

### **PRODUCT SERIES: B-1201, B-1204, B-1205, B-1206**

**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.



**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, 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. Apply pipe thread sealant to 1-1/4" male pipe thread.
2. Make sure the valve is turned off before installation.
3. **For nurse tank liquid withdrawal application screw valve into appropriate 1-1/4" tank connection with the correct dip tube size. The dip tube must be 1-5/8" or 1.625" for the excess flow check to function properly. If you are unsure of your dip tube size please contact us and we will send gages to check it with at no charge.**
4. Before operating the valve make sure there is appropriate hoses and valves are attached to the outlet side of the valve. Never open valve with out appropriate hoses and valve down stream of the valve, doing so will release anhydrous ammonia into the air that could cause sever injury.
5. Before open the valve turn off any down steam valve to prevent ammonia from spraying out into the air.
6. To open valve turn hand wheel counter clockwise all the way until the hand wheel stops turning. NEVER OPEN VALVE PARTIALLY, DOING SO WILL PREVENT THE EXCESS FLOW CHECK FROM FUNCTIONING PROPERLY.
7. To close valve turn hand wheel counter clockwise and tighten firmly. NEVER LEAVE VALVE OPEN UNATTEDED OR WHILE TRAVELING DOWN A ROAD. VALVE SHOULD ONLY BE OPEN WHILE IN USE.
8. Make sure valve is facing the appropriate direction.

### **MAINTENANCE**

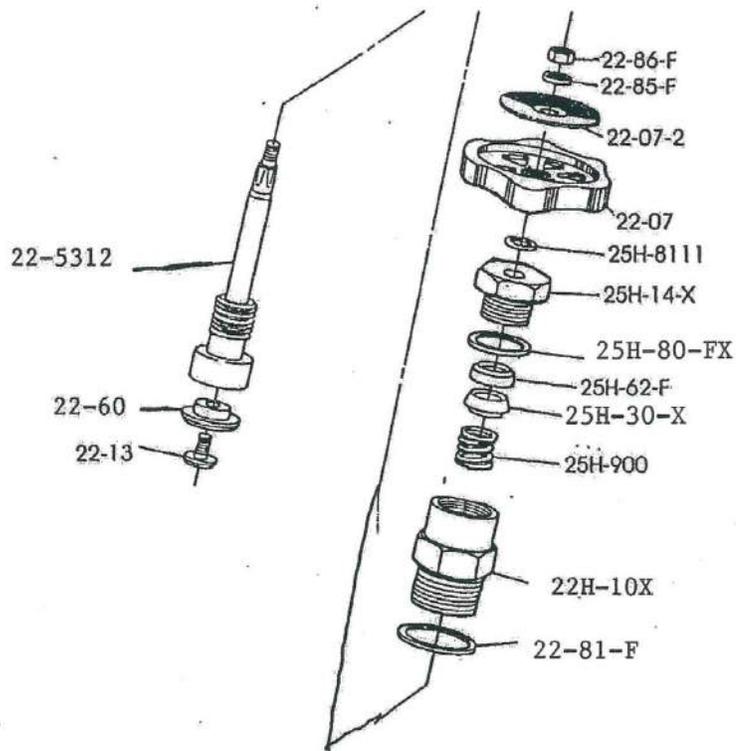
1. Check valve regularly for leaks and wear.
2. If any threads on the valve are getting warned down replace the valve immediately
3. If valve leaks from tank connection try to tighten the valve to stop the leak. If it continues to leak replace the valve.
4. If valve leaks from the stem, 22-53 replace stem seal 25H-62-F by following the repair instructions below
5. If valve leaks from bonnet, 22H-10 or seat, 22-60, either replace valve or install repair kit, A-22H-RK immediately.

### **REPAIR**

1. Remove valve from service by following the above ATTENTIONS AND CAUTIONS.
2. Remove bonnet assembly 22H-786 from valve body and remove hand wheel from stem 22-53
3. Remove stem 22H-5312 and packing nut 25H-14-X and replace the stem seal 25H-62-F and dust shield o-ring 25H-8111 and 25H-900 spring and packing nut gasket 25H-80-FX and re-install the packing nut into bonnet with anti-seize on threads and tighten firmly.
4. Unscrew 22-13 Allen screw and replace the 22-74-F o-ring and 22-60 seat and replace the Allen screw and tighten firmly.
5. Reinstall the 22H-5312-CA stem into the bonnet 22H-10 by pushing gently and turning clockwise simultaneously until the stem is completely screwed all the way to the bonnet.
6. Put thread sealant on the threads of the bonnet that screws into the valve body and replace the 22-81-F bonnet gasket and reinstall the bonnet into the valve body and tighten the bonnet with a wrench.
7. Reinstall hand wheel and with lock washer and nut and tighten firmly.
8. Reinstall the valve into service by following the above installation instructions.

**QUESTIONS CALL 800-537-5642**

Catalog Number	Description	List Price	100 Piece Ship Wgt.
<b>PRODUCT SERIES: B-1201, B-1204, B-1205, B-1206</b>			
22-07-FX	HANDWHEEL		
22-13	SEAT RETAINER SCREW		
22-85-F	HAND WHEEL LOCK WASHER		
22-86-F	HAND WHEEL LOCK NUT		
25H-01	BODY ONLY EXCLUDES PLUGS		
22H-10X	BONNET		
25H-14-X	PACKING NUT		
25H-30-X	SPRING RETAINER WASHER (HARD ANIDIZED)		
25H-31-X	PACKING WASHER		
22-5312	STEM & SWIVEL POPPET ASSEMBLY		
22-60	SEAT		
25H-62-F	TEFLON "V" PACKING		
25H-786	COMPLETE BONNET AND HANDWHEEL ASSEMBLY		
22-81-F	BONNET GASKET		
25H-8111	UPPER STEM SEAL O-RING		
25H-80-FX	PACKING NUT GASKET		
25H-900	SPRING		
B-22H-RK	REPAIR KIT INCLUDES: 22-60, 25H-82-F, 25H-80-FX, 25H-8111, 25H-900		



**CONTINENTAL NH 3 PRODUCTS CO., INC.**

**130 YORKTOWN**

**P.O. BOX 225323**

**DALLAS, TEXAS 75222-5323**

**800-537-5642**