

CONTINENTAL NH3 PRODUCTS

INSTALLATION, OPERATION, REPAIR AND MANTINANCE INSTRUCTIONS

PRODUCT SERIES: A-CVT-125-CT

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 SERIES 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. This valve is designed to be use in conjunction with an electronic control system for ammonia.
2. PLEASE NOTE THIS IS A CONTROL VALVE ONLY, IT CAN NOT BE USED AS A SHUT OFF. THIS VALVE WILL NOT SHUT THE FLOW OF AMMONIA OFF.
3. Install the A-CVT-125-CT into your ammonia control system as the control valve.
4. This is a bidirectional valve and can be install in either direction. Install the A-CVT-125-CT immediately after the flow meter for best results. Be sure to use thread sealant on the pipe threads to eliminate leaking and tighten firmly.
5. The electric motor connection is designed for a Raven type barrel nut connection. If you have another type of connection please contact your distributor for an adaptor.
6. Connect the motor to your wire harness with the proper connection and set your controller for a standard valve not a fast valve, and us cal number 2123. If this doesn't work please give us a call and we can change the number up to make it work smoother.

MAINTENANCE

1. Check valve regularly for leaks and wear.
2. If leaking ammonia from the pipe threads unscrew the valve and put more pipe thread and reinstall it, if this fails replace valve.
3. If leaking form stem install repair kit, A-CVT-125-RK or replace valve immediately.

REPAIR

1. Remove unit from service by following the above ATTENTIONS AND CAUTIONS.
2. Remove control motor from the valve body
3. Remove control valve cap CV-02 by unscrewing the 4 allen head screws 01-2520-100 and replace O-ring CV-8138, Grease o-ring before installation.
4. Remove meter barrel CV-03, remove and replace Quad-ring CV-Q4212. Grease the quad ring before installation and reinstall the CV-03 meter barrel.
5. Reinstall the control valve caqp CV-02 and allen screws 01-2520-100 and tighten firmly..
6. Reinstall back into service by following the above installation instructions.

QUESTIONS CALL 800-537-5642