

CONTINENTAL NH3 PRODUCTS

INSTALLATION, OPERATION, REPAIR AND MAINTENANCE INSTRUCTIONS

PRODUCT SERIES: A-BVT-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.

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, 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 is dual purpose electric valve. It can be used as a fast valve, control and shut off or just as a control valve only in a Anhydrous Ammonia control system.
2. Install the A-BVT-125-CT into your ammonia control system downstream of your flow meter.
3. When installing pay close attention to flow direction. If installed backwards the valve may leak. There is an arrow stamped on the valve to indicate flow. Be sure to use thread sealant on the pipe threads to eliminate leaking and tighten firmly.
4. The electric motor connection is designed for a Raven type conxall connection. If you have another type of connection please contact your distributor for an adaptor.
5. Connect the motor to your wire harness with the proper connection and set your controller to the appropriate type valve, fast valve or control valve. Fast valve call number is 0743 and control valve is 2123. If these number do not work they can be tweaked by changing some of the figures. Call us to discuss your options.

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 from stem or flange install repair kit, A-BVT-125-RK or replace valve immediately.

REPAIR

1. Remove unit from service by following the above ATTENTIONS AND CAUTIONS.
2. Remove motor from valve body
3. Remove bonnet BVT-100 and pull stem BVG-441 out of the main body BVG-01. Replace the lower seal 09-8114 and reinstall washer 197-700. Reinstall stem BVG-441 into main body BVG-01. Remove packing from bonnet BVT-100 and reinstall washer 197-700 and replace the upper seal 09-8114 and bonnet o-ring BV-8120
4. Reinstall Bonnet BVT-100 use thread sealant on the threads and tighten firmly with wrench.
5. Remove inlet body BVG-02, Remove ball 09-80-114 and all ball packing from body BVG-01 and discard o-rings and Teflon packing.
6. Reinstall new packing into body in this order from back to front. 09-76-G o-ring, 1=09-60-G, ball 09-80-114, 1=09-60-G. Replace inlet body seal o-ring 09-74-G and reinstall inlet body BVG-02 and tighten firmly. Make sure to put pipe thread anti-seize on the inlet body threads.
7. Reinstall back into service by following the above installation instructions.

QUESTIONS CALL 800-537-5642