

CONTINENTAL NH3 PRODUCTS
INSTALLATION, OPERATION, REPAIR AND MANTINANCE INSTRUCTIONS

PRODUCT SERIES: 8-CL, 12-CL, 128-CL 16-CL, 1612-CL, 20-CL, 2016-CL
24-CL, 32-CL

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. See reverse side of this page for additional installation instructions.
2. When install the couplings make sure to cut the hose as straight and clean as possible.
3. Insert appropriate size stem into the end of the hose making sure to push the stem all the way into the hose, until the lip of the barb hits the end of the hose.
4. Place appropriate size clamps around the hose and use the grove in the stem to guide the clamps
5. insert the accompanying bolts into the clamps and attach the nuts and tight to the appropriate torque setting. SEE REVERSE SIDE OF PAGE FOR TORQUE SPEC'S.

MAINTENANCE

1. Check coupling regularly for leaks and wear.
2. Check torque on bolts regularly to make sure they have not loosened
3. If leaking from the pipe thread try tightening it with a wrench to stop the leak. If not successful replace coupling immediately.
4. If leaking from hose replace coupling immediately.

REPAIR

1. Remove coupling from service by following the above ATTENTIONS AND CAUTIONS.
2. There is no repairing this product, if repair is needing the replace the coupling immediately.

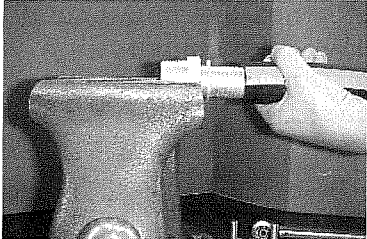
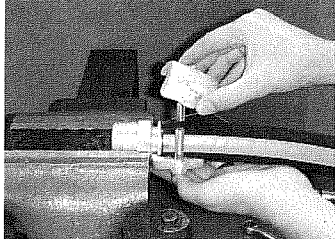
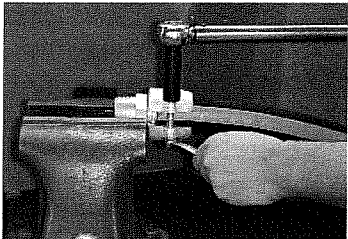
QUESTIONS CALL 800-537-5642

CONTINENTAL 2-BOLT CLAMP TYPE COUPLINGS**



WARNING: Misuse of this product could result in serious personal injury.

1. Continental 2-Bolt Clamp Type Couplings are recommended for use on Anhydrous Ammonia hose that meets the requirements of RMA IP-14.
2. Installation should be performed by qualified personnel only:

		
<p>Grip hex of hose stem in vise. Push hose on over barbed stem until end abuts the collar.</p>	<p>Place lower clamp in position as shown with forward rib between collar and hex. Insert bolts from below and place upper clamp in line with lower clamp.</p>	<p>Thread nuts on bolts and tighten each side evenly until the clamps are firmly compressed on hose. Use a torque wrench to tighten to specification.</p>

3. All bolts must be properly tightened to recommended torque values:

Hose I.D.	Catalog Numbers	Torque setting in foot pounds
1/2"	8 CL; B-526-B-CL	20#
3/4"	128 CL	26#
3/4"	12 CL; B-526-CL	26#
1"	1612 CL	26#
1"	16 CL; B-526-A-CL	26#
1-1/4"	2016 MCL; B-526-C-CL	35#
1-1/4"	2016 FCL	35#
1-1/4"	20 CL; A-528-CL	35#
1-1/2"	24 CL	40#
2"	32 CL; A-552-CL	47#

⚠ WARNING: If the clamp halves "bottom out" (come together solid) before torque value is achieved, the hose construction or condition may not be compatible with the clamp or the clamp may be incorrect. A "bottomed out" clamp assembly could suddenly release resulting in serious injury or death. Have a qualified serviceman determine whether to replace the hose or clamp assembly - **DO NOT USE UNDER ANY CIRCUMSTANCE!**

4. Three (3) days after initial assembly, recheck bolts to ensure proper torque setting and tighten if necessary. Regular maintenance and inspection must be performed: see bulletin IP-11-2 by the Rubber Manufacturers Association (RMA).

NOTICE - CAUTION

All ammonia hose assemblies must be hydrostatically tested in accordance with the RMA's procedures, at 200% of hose working pressure, before being placed into service. Hose assemblies should be retested at least once a year (The RMA recommends more frequent testing; see IP-11-2). Never use hose that shows signs of deterioration or damage. Never use hose that is older than the specified removal date (removal date is printed on the hose).

These instructions, notices and cautions shall not be construed by the user as recommending action that is not in full compliance with applicable local, state, and federal laws and regulations. Get up-to-date training from your local Co-op or Dealer regarding the safe use of anhydrous ammonia equipment.

Remember, anhydrous ammonia is a wonderful tool, but if it is mishandled, it becomes a deadly master! Do all you can to insure safety.



****Failure to follow the above recommendations and instructions may prevent the hose coupling from performing in its intended manner and may result in serious personal injury.**

NOTICE: Continental 2-Bolt Clamp type Couplings may also be used on LPG hose as long as the following criteria are met:

1. The hose must be UL listed and meet the requirements of **RMA** IP-10.
2. The user must determine that the clamps do not violate any local, state, or federal codes.
3. The installation, torque, maintenance requirements, warnings, cautions and notices for Anhydrous Ammonia hose (listed above) must be observed.