

ANHYDROUS AMMONIA HOSE

Apache wants to ensure all anhydrous ammonia (NH₃) assemblies shipped to our customers are of the highest quality, and provide the greatest level of safety and reliability for this demanding service. As a leader in offering innovative performance products to the agricultural industry, we have raised the bar with products designed to improve both performance and safety.



PREASSEMBLED FOR YOUR SAFETY

Many accidents involving NH₃ have occurred by using the wrong hose or using an improper fitting or a fitting not installed properly.

The preferred method for coupling NH₃ hose is a permanent, crimped-on fitting, which is the safest method and requires the least amount of maintenance. Reusable fittings have been used on NH₃ hose assemblies, however they are inherently unsafe unless the clamp bolt holding these fittings is retightened regularly.

Apache has partnered with Parker to introduce a program where only pre-coupled NH₃ hoses are sold. All assemblies are fabricated using Parker hoses and are coupled using approved, permanently crimped fittings attached using manufacturer certified coupling procedures.



PRODUCT DISTINCTIONS

- ▶ Seven year warranty – the longest in the industry
- ▶ All Apache NH₃ hose is coupled at our ISO 9001:2008 certified production facility
- ▶ Apache is an audited Parker Certified Coupler ensuring a safe and consistent system (only Parker couplings are installed on Parker anhydrous ammonia hoses, using Parker coupling machines)
- ▶ High-quality, synthetic construction ensures safety by reducing permeation and offering better resistance to oil, weather aging, and abrasion
- ▶ Nylon or stainless wire braids embedded between rubber plies create a higher safety factor (hose won't delaminate due to low adhesion)
- ▶ Prep equipment ensures uniform pin-pricking, with 6 uniform rows around the hose, spaced every 1/2"
- ▶ All hose meets or exceeds RMA IP11-2/TFI standards as well as ANSI K61.1 and CGA G-2.1
- ▶ Precise record keeping by Apache and Parker ensure complete traceability of every assembly



PRECAUTIONS WHEN IN USE

Due to potential dangers involved in handling NH₃, special care is required to ensure the safety of those working with it. Education about the procedures and personal protective equipment required to safely handle this product - including the hoses used to transport it - is extremely important.

Contact with anhydrous ammonia will burn skin, and is especially damaging to the eyes and lungs. This is true in either its liquid or gas/vapor state.

NH₃ hose has a limited life and the user must be alert to signs of impending failure. Periodic inspection and testing is recommended to detect signs indicating hose deterioration or loss of performance before conditions leading to malfunction or failure are reached.

All new hose assemblies should be inspected prior to use to determine if they have been damaged in storage or shipment. Hose subjected to severe usage – for example: dragged over sharp rock surfaces, sharply bent in storage or continually exposed to weather– will deteriorate more rapidly than carefully handled hose. The hose should be visually inspected each day before use.



Apache's anhydrous ammonia coupling process is reviewed regularly, and our hose coupling fabricators are trained, audited, and certified by Parker annually in this process. The warranty on anhydrous ammonia hose is valid ONLY when coupled by a Parker certified coupler, using Parker specified couplings.

TIME PERIOD	STAINLESS SERIES 7261	NYLON SERIES 7262
0-36 months	100%	100%
37-48 months	60%	50%
49-60 months	60%	40%
61-72 months	40%	30%
73-84 months	30%	0%



Parker Anhydrous Ammonia Hose Warranty
Anhydrous Ammonia Hose (Series 7261/7262)

The Parker Hannifin Industrial Hose Division guarantees each length of Parker Anhydrous Ammonia Hose to be free from defects in material and workmanship for the following periods from date of sale to the end user. No claims under Parker's warranty will be allowed unless they have been first submitted to Parker for review by our authorized distributor. If, in Parker's judgment, a defect in material or workmanship does occur, we will replace the hose and couplings on a non-pro-rated basis for the first three years. During the next 4 years, credit will be issued on the following pro-rated schedule: All adjustments will be based on the original purchase price. This guarantee applies to hose in service and used by original customer (end user) only. It does not extend to any PARKER ANHYDROUS HOSE which has not complied with the latest revision of the Parker Safety Guide (Parker Publication No.4400-B.1); Parker Catalog 4800, Section Safety and Technical Guid, Anyhdrous Ammonia Hose (NH₃) Hose; or hose that has been subjected to misuse, neglect, accident, puncturing, or cutting caused by poorly maintained equipment, or malfunctioning reels, guides, pumps, or improper installations. THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES EXPRESSED OR IMPLIED INCLUDING THE WARRANTY OF MERCHANT-ABILITY OR FITNESS FOR A PARTICULAR PURPOSE AND NO REPRESENTATIVE OR PERSON IS AUTHORIZED TO ASSUME ANY OTHER LIABILITY IN CONNECTION WITH THE SALES OF PARKER ANHYDROUS AMMONIA HOSE. IN NO EVENT SHALL PARKER BE RESPONSIBLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES, AND PARKER'S LIABILITY UNDER ANY CLAIM IS LIMITED TO THE ORIGINAL COST OF THE HOSE AND COUPLING(S), EVEN IF PARKER HAS BEEN PROVIDED WITH NOTICE OF A POTENTIAL LOSS.

APACHE
Think Forward.

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