



Installation and Operation Instructions for Model 112-1001 (90°) RotaSeal Swivel

June 2000

Form FVC 037

KEEP THIS DOCUMENT WITH THE PRODUCT UNTIL IT REACHES THE END USER.

WARNING

Before installation or removal of RotaSeal Swivels, the system must be purged completely of all product. Use proper safety equipment at all times. An abundant supply of clean water must be readily available and easily accessible as a means of providing IMMEDIATE First Aid treatment for exposure to Anhydrous Ammonia. For LP-Gas service, follow NFPA / ANSI Pamphlet 58, Standard for the Storage and Handling of Liquefied Petroleum Gases, plus all Local and State Safety Regulations.

USE PROPER SAFETY EQUIPMENT AT ALL TIMES. PURGE THE SYSTEM COMPLETELY OF ALL PRODUCT.

CAUTION: Contact with or inhalation of Liquid Anhydrous Ammonia or LP-Gas or their vapors can cause serious injury or death. Dispersment must be in accordance with local regulations. For the proper handling and storage of Anhydrous Ammonia refer to ANSI Standard K61.1. For the proper handling and storage of Liquefied Petroleum Gas refer to NFPA Pamphlet 58.

TOOLS REQUIRED: Safety Equipment (i.e., gloves, goggles, protective clothing), and an 18" Pipe Wrench.

NOTE: RotaSeal Swivels are NOT FIELD REPAIRABLE. They may be returned to the factory however, to determine if repair is feasible or if replacement is required. They are WARRANTED to be free from defects in material and/or workmanship and seal leaks for a period of three (3) years from the date stamped on the unit. This Warranty is valid only if the product has been used in noranhydrous ammonia service, and no attempt has been made to disassemble or repair the unit in any manner. Should a RotaSeal leak during the Warranty Period, return it to the factory or any authorized distributor for replacement.

Installation of New RotaSeal Swivels

Step 1: RotaSeal Swivels have 1 1/2" NPT female threads at the inlet and outlet connections. Always use Teflon tape and/or pipe sealant on male threads of mating parts.

NOTE: RotaSeal Swivels are bi-directional and either connection may be used as the inlet or outlet.

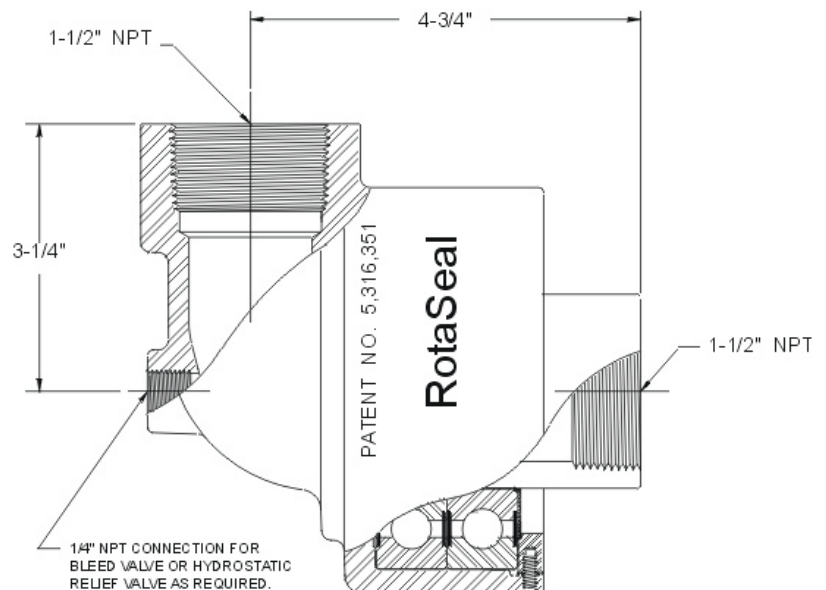
Step 2: All RotaSeal Swivels are shipped with a 1/4" NPT Pipe Plug located on the Housing. This Pipe Plug can be removed and replaced with a Bleed Valve or a Hydrostat Relief Valve to accommodate system requirements.

Installation Recommendations

1. When RotaSeal Swivels are used as Reel Swivels, i.e., on Bobtail Delivery Trucks the inlet piping to the RotaSeal must incorporate a short hose section to compensate for any misalignment due to variations in thread make up of system piping.

NOTE: RotaSeal Swivels are designed for slow speed intermittent rotation in a range of 60 rpm max. i.e., hose reels. They are not intended for high speed or continuous duty applications.

2. When RotaSeal Swivels are used for Tank or Railcar Filling applications, overhung loads must not exceed 150 ft.-lbs. torque at the 1 1/2" NPT outlet connection. All piping must be Schedule 80 minimum.



Removal of RotaSeal Swivels from Service

Step 1: Before removing the RotaSeal make sure all pressure is bled from system.

Step 2: Do not attempt to disassemble or repair the RotaSeal Swivel. Refer to the Warranty Note above.