



Seal Handling & Installation Instructions

Omniseal Solutions' Omniseal® Spring-Energized Seal: Closed Rod Gland with Inner Diameter / Cross Section Ratio > 30

Handling

***Whenever possible, you should handle and install the seal in a DRY environment with no wind or dust.**

1. Clean the gland with an appropriate solvent and a clean wipe. Inspect the gland for nicks, dirt, burrs, indentations, and sharp edges. Address these as needed. If the seal needs to pass over sharp edges, threads, etc., additional installation instructions and tools may be required.
2. Clean a table and put an appropriate protective paper over the surface. Put on clean, lint-free, soft gloves to protect the seal and gland. Keep these gloves on until the seal is fully installed. Carefully unpack the seal and place on the table.
3. Remove the seal from the individual container or bag. Use a pair of scissors if required but take care the sharp ends do not make contact with the seal.
4. Take a soft, lint-free cloth and wipe the seal. If you notice a scratch or any other damage on the seal, please do not install the seal and contact Omniseal Solutions™ immediately at help@omniseal-solutions.com or your following local customer service areas:
 - Americas: (USA) +1 800 544 0080
 - Asia: (China) +86 21 5472 1568, (Japan) +0266 79 6430
 - Europe: (Belgium) +32 3 458 2828

Installation

****When allowed, lubricants (grease, oil, etc.) compatible with the media to be sealed can EASE assembly.**

5. Gently squeeze the seal into an oval shape and push about one-third of the seal into the gland, pushing the seal under and past the gland wall (Figure 1 below). Use both hands to push the seal along the circumference until the seal is completely installed into the groove (Figure 2 below). Seal can be installed heel first or spring cavity first but should align with your company's assembly instructions and diagrams. Check that the seal is properly seated in the gland and is snug inside the hardware.
6. Check the counterpart mating surface for scratches, inadequate surface finish and/or damages. If anything is noted, please do not continue with installation.
7. Carefully bring both hardware components together (Figure 3 below), watching that the seal is positioned correctly in the gland.

