

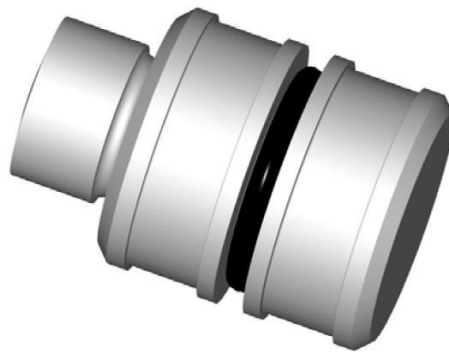
Piston Seal Installation

Update: 01/10/2017

Installation Guide Lines:

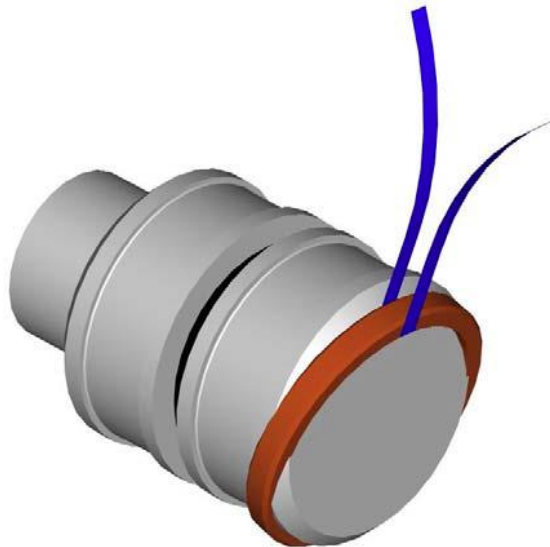
The use of nylon straps can greatly assist with the installation of a piston seal. Care should be taken when handling Teflon seals and the use of screwdrivers, etc. should be avoided since Teflon can easily be damaged. The following pictures show the sequence for an o-ring loaded, Teflon piston seal.

1. Start by ensuring the piston and seal grooves are clean and free of any contaminant. By hand, stretch the o-ring over the piston and into the groove. Use caution so as not to twist the o-ring when installed.

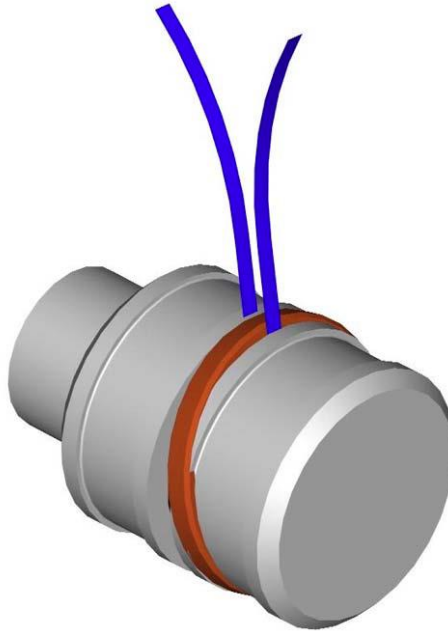


2. Using a nylon strap, lasso the seal ring, and by hand, engage the opposite end of the seal ring onto the piston. Holding the nylon strap, modestly pull the seal ring over the top of the piston, adjusting the nylon strap's position as necessary to work the seal ring over and onto the piston. Take care as to not over-stretch the seal ring and cause permanent deformation.

TIPS: Heating the seal ring ahead of time will assist with installation. We also recommend the use of lubrication to assist with installation. The use of multiple straps may assist with installation.



3. Walk the seal ring over the top of the piston with the help of the nylon strap, adjusting positions of the strap as necessary around the circumference of the seal ring. Use caution when going over sharp edges of the piston so as not to cut the seal.



4. After the piston seal is completely installed into the seal groove, let go of one end of the strap and pull the strap from underneath the seal ring. Installation is complete.

