

## Installation of PTFE Teflon® Piston Seals

Installing PTFE piston seals is not always an easy task. The use of installation tools is recommended but often not convenient when working with a wide variety of sizes and applications.

Finger installations are practical with rings of smaller cross-sections. Using fingers or a rounded plastic stick, knead the ring over the piston into the groove. With rings of larger cross-section it may be necessary to heat the ring. Warming the ring in water or oil at 130-140°F for about 5 minutes will soften the material for easier installation. Always avoid inconsistent stretching or overstretching of the Teflon® seal.

To prevent the Teflon® ring from snapping into the wrong groove, cover wear ring grooves with plastic tape.

After seal installation, assembly of the cylinder may be difficult if the piston seal is loose on the piston or the cylinder has an inadequate leading edge chamfered. In such cases, compress the piston seal with belting or a suitable hose clamp. If the piston seal must pass threads or any other sharp edges during cylinder assembly, cover the edges with plastic tape or wrap.

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