

PG



PISTON SEALS



Product Performance. Affordability. Availability.



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PG PISTON SEALS

The **PG Piston Seal** is a compact, bi-directional seal designed for medium to heavy duty hydraulic cylinders. It is a two-component design consisting of a Hytrel® HY55 seal ring and a 70 shore A NBR square energizer. The **PG Piston Seal** is easy to install by stretching it onto the piston. The Hytrel seal material ensures that it snaps into the groove with no resizing necessary. The rectangular cross-section prevents any rolling or twisting in long stroke cylinder applications.



The high strength seal ring material prevents seal extrusion allowing this seal to be used in elevated operating pressure applications. It also offers excellent wear resistance and wide operating temperature range. The seal ring has molded axial pads on the sides of the seal providing proper pressurization to prevent “blow by” during rapid pressure reversals. The NBR square energizer provides stability and the initial pre-load for proper sealing.

The **PG7** series piston seal is designed to retrofit standard North American housing standard (NFPA T3.19.18), which is commonly referenced as a rectangular piston seal.

The **PG9** series piston seal is designed to retrofit the common industrial O-Ring housing standard.

STANDARD MATERIALS

Material Code	Description	Color
*P98E	Polyurethane 98D Shore A	Blue
HY55	55 Shore D Hytrel Thermoplastic Elastomer	Orange
N	70 Shore A Nitrile Rubber (NBR)	Black

*P98E optional. Other material options are available upon request.

FEATURES

- Pressures up to 5,000 PSI
- High Extrusion Resistance
- Low Temperature (-40°F)
- High Temperature (+250°F)
- Velocity up to 3 FPS
- Hydrolysis & Oil Resistant
- Zero Drift Piston Seal
- Cost Effective
- Easy Installation
- Compact Design
- Fits Industry Standard Housings

