21 EN 032 21.09 bur

SIMKO 300 HIGH-PERFORMANCE PISTON SEAL

A two-piece piston seal made of **Freudenberg high-performance polyurethane 98 AU 928** featuring a rectangular contact pressure element made of **NBR**. The special design ensures maximum tightness and durability even in demanding applications such as wind turbine piston accumulators. The rectangular contact pressure element gives the seal a secure fit in the installation space.

PRODUCT ADVANTAGES

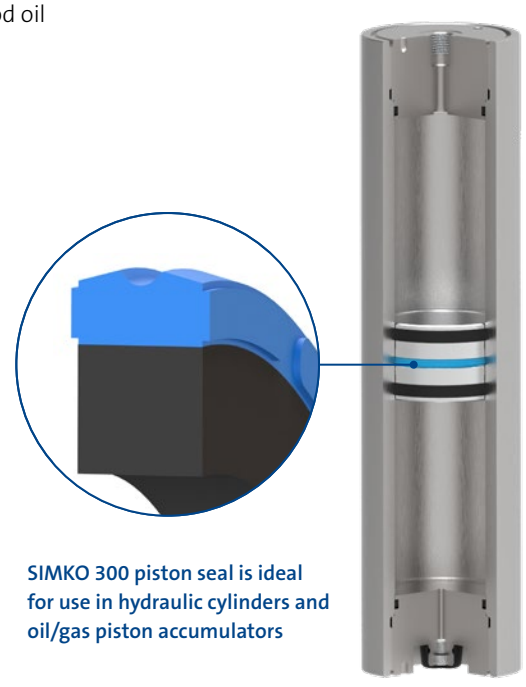
- High robustness under harsh application conditions (pressure, temperature, speed).
- PU material with excellent wear resistance and high insensitivity to mounting damage (compared to other seal materials).
- Easy snap-on assembly, no recalibration necessary. Good oil resistance as well as good permeability.

VALUE FOR THE CUSTOMER

- Very good leakage behavior in many different oil types as well as in use in oil/gas applications.
- Very good static and dynamic tightness as well as very good position holding function.
- Designed for installation spaces according to ISO 7425, which means it has low axial installation height.
- Wide range of applications in all types of hydraulic cylinders as well as excellent suitability for use as a piston seal in oil/gas piston accumulators.
- Operating temperatures below –30°C possible by replacing the standard NBR energizer material with a low-temperature NBR.

FEATURES & BENEFITS

- Pressure activation grooves on the PU sealing ring reliably prevent the blow-by effect during rapid pressure changes.
- The rectangular contact pressure element guarantees uniform distribution of the contact pressure over the entire seal cross-section as well as high torsion resistance in the installation space (compared to O-rings).
- The material hardness of the polyurethane, together with the special product design, produces low friction in the application.



SIMKO 300 piston seal is ideal for use in hydraulic cylinders and oil/gas piston accumulators

Scan for more information

www.fst.com

FREUDENBERG
SEALING TECHNOLOGIES

FREUDENBERG
INNOVATING TOGETHER