

RO SINGLE SEALS FOR HIGH PRESSURE APPLICATIONS

Description

RO seals are mainly designed for sealing oil, petrochemical products, hot water, under high pressures up to 100bar within temperature range 50/+260C. Seals for shaft axial motion up to 10mm are available. The seals have been used successfully for years at power plants, crude oil pipelines, oil exploration water injection pumps.

The RO family seals are used for the same applications

As the following seals:

SH/H7/H75 family by Burgmann Germany

DHTW/ QBQ/GSS by Flowserve, USA

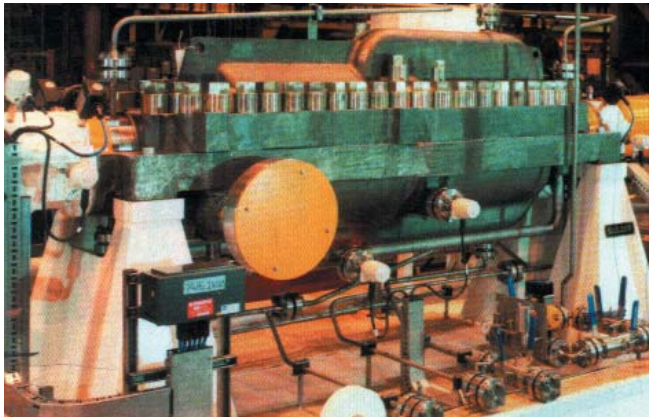
8B/RREP/38B by John Crane, USA

Advantages

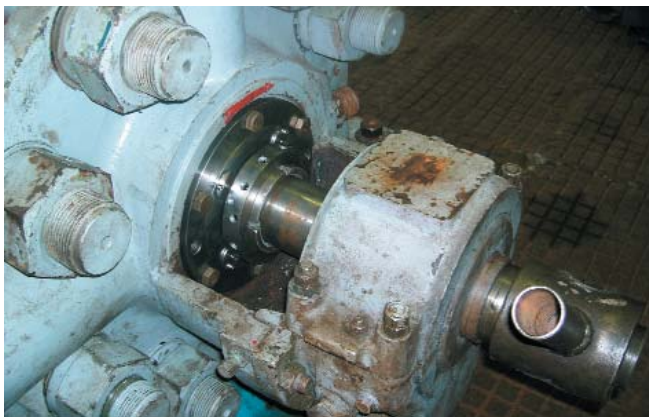
- excellent durability under high pressures and speeds
- simple in design and maintenance

Oil exploration

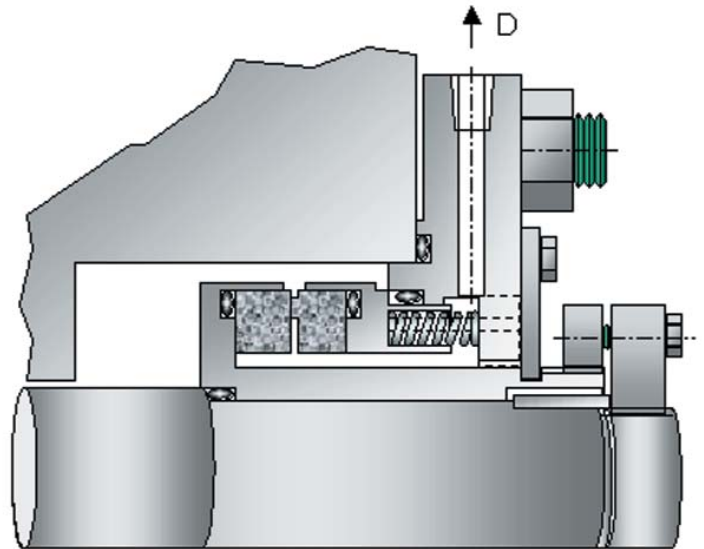
Water injection multistage pumps



Pipeline high pressure applications.
Refinery high pressure applications.



More than 2500 RO seals (RO-TM and RO-LMP version) type seals work in world largest Russia pipeline grid (AK Transneft) under stuffing box pressure up to 47 bar with average durability of 16-36 months. The result is rather remarkable because Russian oil has high sulfur and paraffines content.



Materials	
Seal faces	Tungsten carbide, Silicon carbide, Carbon
Secondary seals	Viton, EPDM, Kalrez
Metal parts	SS304, SS316, special alloys

Technical data	
Temperature	From - 70 to +260 °C
Pressure	Up to 50bar (100 bar dynamic/200 bar static with special design)
Speed	Up to 75 m/s

