BR Single & Dual Seals

seal.tech

sealmatic®

Solving The Slurry Problem!

Sealmatic BRS for sealing slurry pumps with utmost performance & exceptional results with quality

Vol:01/05/02

Usage: Pump aggressive media with high solids content

Conventional mechanical seals life is usually short and erratic. Complicated double seals with buffer system generally cannot be used for such applications.
Single seal with a minimum service life of upto 18 months MTBF

The product's service life exceeds expectations. The flushing connection and a throttle with self-cleaning profile integrated into the cover is provided to aid lubrication of the sliding surfaces to keep out the solids. The very small throttle gap means that purging water consumption can be limited to no more than 2 L/min.

Performance Capabilities:

- Size = Upto 270 mm (Upto 10.625")
- Temperature: t = -20 °C ...+160 °C (-4 °F ...+320 °F)
- N Pressure: p *) = 16 bar (230 PSI)
- Speed = 10 m/s (33 ft/s) *)

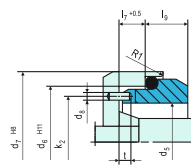For operation under vacuum it is necessary to arrange for quenching on the atmosphere side.

Product Description

- Single and Dual seal configuration
- Balanced design
- Independent of direction of rotation
- Cartridge construction
- Stationary design with multiple springs
- Seat design is rotary
- Seat arrangement designed behind the impeller
- Specially designed sleeve to protect springs from contamination
- Variable designs available with guide sleeve for applications with / without quench
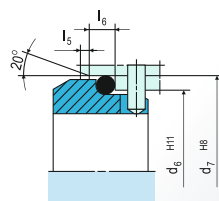
Mechanical Seals For Pumps - Engineered Seals

Technical Features

1. Accommodates shaft deflections due to stationary design

2. Designed to handle media containing solids

3. O-ring is dynamically loaded to prevent shaft damage

4. Can operate under vacuum without locking the seat

5. Pumping device available for increased efficiency in circulation

6. Springs are product protected to avoid contamination

G2
(d$_N$ 36 ... 90 mm)

G9
(d$_N$ 95 ... 180 mm)