

RELY ON EXCELLENCE

High speed seals HPS, HYS

Mechanical Seals | Mechanical seals for pumps | Pusher seals

Features

- Stationary seal
- Balanced
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- Uniform seal face loading
- Independent of direction of rotation
- Available as pusher or bellows version
- Available as single, double and tandem arrangements
- Ideally suited for high speed pumps

Advantages

- Very compact seal
- Cost effective solution for high speed applications
- Easy and quick installation
- Available in hard face combination for abrasive media

Operating range

Shaft diameter: Acc. to customers requirements

Pressure: $p = \dots 20 \text{ bar (290 PSI)}$

Temperature: $t = \dots +260 \text{ °C (... +500 °F)}$

Sliding velocity: $vg = 50 \text{ m/s (164 ft/s)}$

(Consult EB for applications outside above limits).

Materials

Seal ring: Carbon graphite resin impregnated, Carbon graphite antimony impregnated, Tungsten carbide
Mating ring: Silicon carbide, Tungsten carbide
Secondary seals: FKM, FFKM, EPR
Springs: Hastelloy® C-4
Bellows: AM 350, Inconel® 718
Metal parts: SS 316, other materials on request.

Recommended applications

- Process industry
- Oil and gas industry
- Refining technology
- Petrochemical industry
- Chemical industry
- Pharmaceutical industry
- Power plant technology
- Horizontal and vertical pumps, agitators, mixers

Recommended piping plans

API Plans 11, 12, 13, 14, 32, 52, 53A, 53B, 53C, 54