

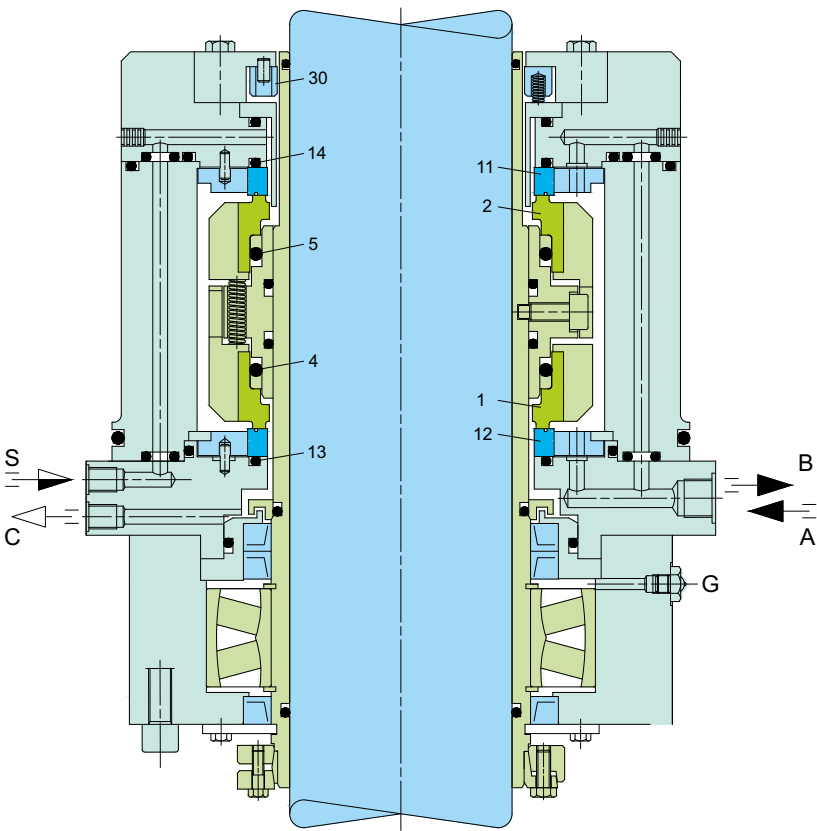


Product Description

- 1. Dual seal configuration
- 2. Balanced design
- 3. Independent of direction of rotation
- 4. Cartridge construction
- 5. Designed for bottom entry vessels
- 6. Rotary unit with multiple springs
- 7. Construction with integrated bearing

Technical Features

- 1. Over all connecting dimensions are tailor made to customer's specifications
- 2. Specially designed to handle high operating pressure
- 3. Product side is equipped with floating throttle bush
- 4. The seal design is unique as it closes due to the hydraulic product pressure as well overlaying barrier pressure
- 5. Rugged design to ensure long term reliability and operating life
- 6. Seals are assembled in cartridge construction for easy fitment



Note: The item numbers as depicted above are based on our technical experience and knowledge and are placed in the chronological order of their assembly procedure.

Typical Industrial Applications

Agitators	Mixers
Chemical	Pharmaceutical
Dryers	Reactors
Filters	Toxic media
Food & beverage	

Performance Capabilities

Shaft diameter:	$d_w \approx \dots 400 \text{ mm } (\dots 15.75") \text{ W}$
Pressure:	$p_1 = \text{vacuum } \dots 60 \text{ bar } (870 \text{ PSI})$
Temperature:	$t = -40 \text{ }^\circ\text{C } \dots +200 \text{ }^\circ\text{C}$ $(-40 \text{ }^\circ\text{F} \dots +392 \text{ }^\circ\text{F})$
Sliding velocity:	$v_g = 0 \dots 5 \text{ m/s } (0 \dots 16 \text{ ft/s}) \text{ g}$

Materials

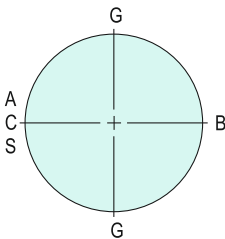
According to application and customer's specification

Notes

- Options:
- Cooling or heating flange
 - Leakage drain, flush or heating flange
 - Leakage drain or flush

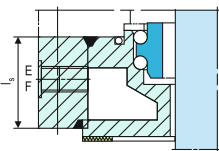
Item	Description
1	Seal face, atmosphere side
2	Seal face, product side
4, 5, 13, 14	O-ring
11	Seat, product side
12	Seat, atmosphere side
30	Throttle ring

Installation, Details, Options



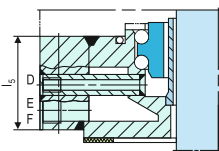
Supply connections

- A Barrier fluid IN
- B Barrier fluid OUT
- C Drainage
- G Grease
- S Flush



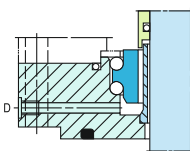
Option

Cooling flange, can be used alternatively as a heating flange ($t_{max} = 350^\circ\text{C} (662^\circ\text{F})$).



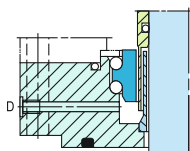
Option

Leakage drain, can be used alternatively as a flush or as a heating flange.



Option

Leakage drain, can be used alternatively as a flush.



Option

Polymerization barrier, can be used alternatively as a leakage drain or a flush.

The specifications, drawings, images etc included in this catalogue are intended to be generic and must be interpreted as equivalent or functionally equivalent, more specifically the performance capabilities mentioned in this catalogue is based on optimum values, however the performance of the product is dependent on size, material of construction, media, pressure, temperature, sliding velocity etc and it shall vary from size to size or application to application. Customers are requested to consult with Sealmatic before employing the product from this catalogue for any application.