RELY ON EXCELLENCE

# HSH(L)U-D

## Mechanical Seals | Agitator seals | Liquid lubricated seals

### Features

- For bottom entry drives
- Double seal
- Balanced
- Independent of direction of rotation
- Multiple springs rotating
- Liquid-lubricated
- Cartridge unit

### Notes

Options:

- Cooling resp. heating flange
- Flush
- Shut-down seal

### Advantages

- Ready-to-fit and factory-tested unit
- With or without bearing available
- Patented hydrodynamic grooves
- High pressure seal for customer-specific solutions
- Floating throttle on product side for protection of the seal or for flush
- Connection dimensions to customers' requirements
- Self-closing on product side
- ATEX certification on request

### Operating range

Shaft diameter:
d1 = ... 500 mm ( ... 19.69")
Pressure: p1 = vacuum ... 60 bar (870 PSI)
Temperature:
t1 = -40 °C ... +200 °C (-40 °F ... +392 °F)
Sliding velocity:
vg = 0 ... 5 m/s (0 ... 16 ft/s)

For applications beyond this range, please inquire.

! It should be noted that the extremal values of each operating parameter cannot be applied at the same time because of their interaction.

### Materials

Seal faces: Carbon graphite
Seats: Silicon carbide, FDA conform
Secondary seals and metallic parts acc. to application and customers' requirement.

### Standards and approvals

- FDA

### Recommended applications

- Refining technology
- Petrochemical industry
- Chemical industry
- Pharmaceutical industry
- Agitators
- Reactors
- Dryers
- Mixers
- Filters
- Special rotating equipment with bottom entry drive

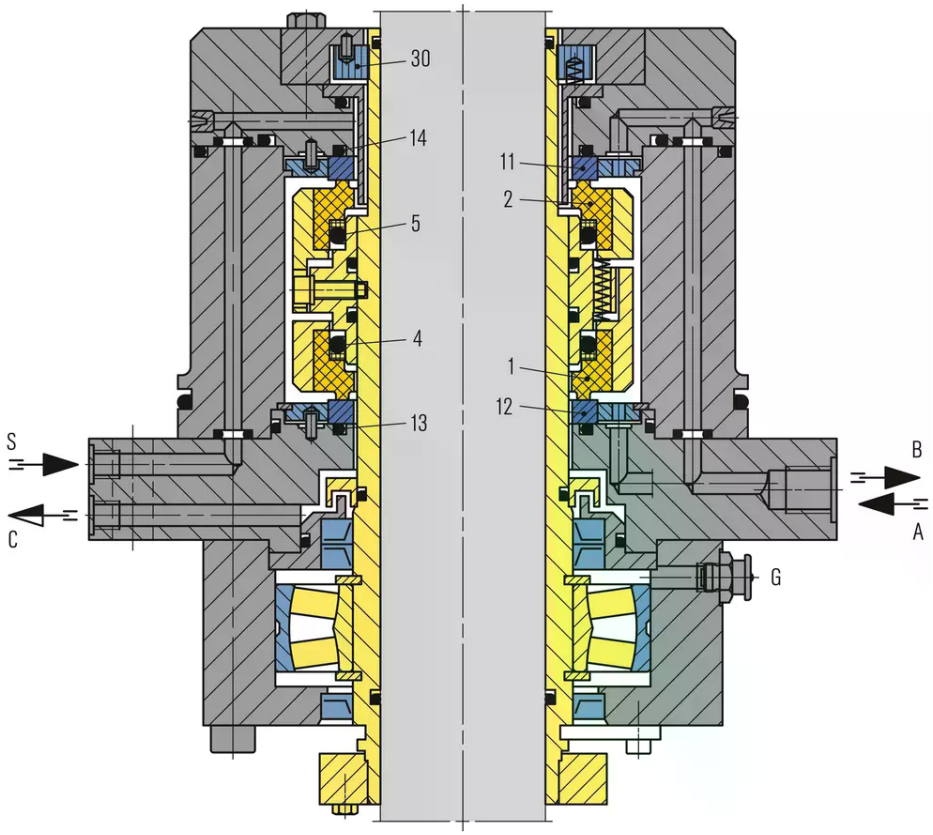
### Recommended piping plans

Open circuit
e.g. EagleBurgmann SPA, EagleBurgmann SPN

Product links:
EagleBurgmann SPA
EagleBurgmann SPN manual
EagleBurgmann SPN automatic

eagleburgmann.com
info@eagleburgmann.com

All technical specifications are based on extensive tests and our many years of experience. The diversity of possible applications means, however, that they can serve only as guide values.
We must be notified of the exact conditions of application before we can provide any guarantee for a specific case. Subject to change.

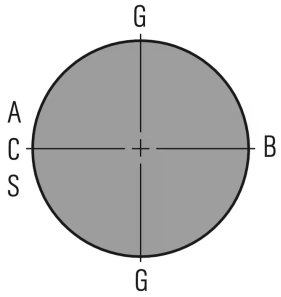



| Item no. | Description |
|---|---|
| 1 | Seal face, atmosphere side |
| 2 | Seal face, product side |
| 4, 5, 13, 14 | O-Ring |
| 11 | Seat, product side |
| 12 | Seat, atmosphere side |
| 30 | Throttle ring |



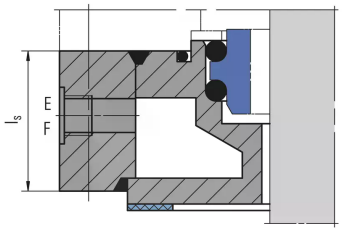
All technical specifications are based on extensive tests and our many years of experience. The diversity of possible applications means, however, that they can serve only as guide values.
We must be notified of the exact conditions of application before we can provide any guarantee for a specific case. Subject to change.

## Installation, details, options

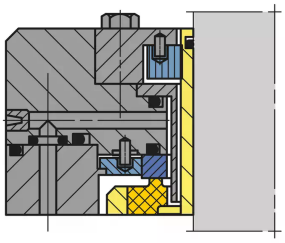



**Supply connections**
A Barrier fluid IN
B Barrier fluid OUT
C Drainage
G Grease
S Flush

**Cooling flange**
Can be used alternatively as a heating flange.




**Flush**





All technical specifications are based on extensive tests and our many years of experience. The diversity of possible applications means, however, that they can serve only as guide values.
We must be notified of the exact conditions of application before we can provide any guarantee for a specific case. Subject to change.