EagleBurgmann
a member of EKK and FREUDENBERG

RELY ON EXCELLENCE

STD1

Mechanical Seals | Agitator seals | Shut down seals

Features

If a STD is employed, it is possible to change seals with the vessel loaded and under pressure (shaft must be stationary!). Installation dimensions according to DIN 28138 Part 1 are possible. Material properties have to be taken into account.

Notes

This seal can only be used if the product does not harden or congeal during the shut down period or for sterile operation (fermenting vessels). Not available in PTFE.

Advantages

Can be installed in each position.

Operating range

Shaft diameter:
d3 = 40 ... 200 mm (1.57" ... 7.87")
Pressure: p1 = 16 bar (232 PSI)
Temperature: t = +100 °C (+212 °F)

Elastomer sealing element (Item no. 1) with pneumatic or hydraulic actuation
(closing pressure p4 > p1).

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

Standards and approvals

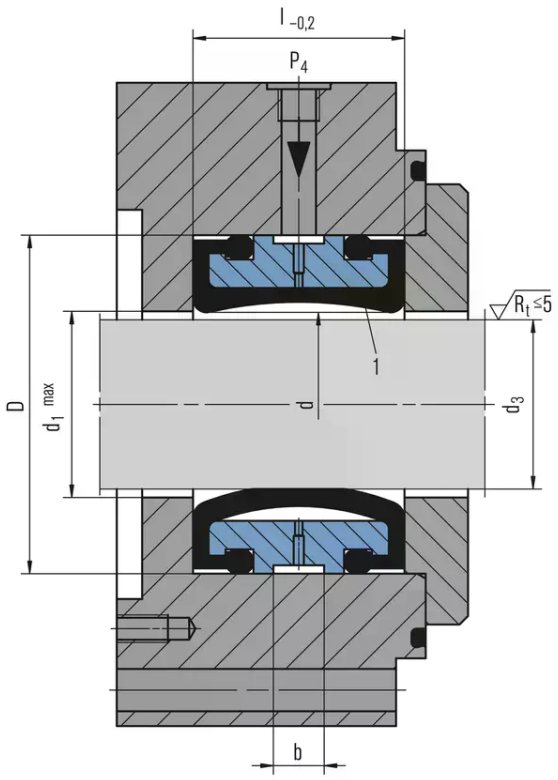
- Compliant to TA Luft (German Clean Air Act)*

(*) Shut-down seals are not specifically mentioned in the TA Luft but may be a solution in certain applications. Their use must be verirfied with the approval authorities.

Recommended applications

- Chemical industry
- Pharmaceutical industry
- Agitators

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.



Dimensions

d_3	d	d	d_1	l	b
40	76	42.5	42	38.0	8
50	84	52.5	52	38.0	8
60	95	62.5	62	44.5	10
80	118	82.5	82	45.0	10
100	138	102.5	102	45.0	10
125	160	127.5	127	45.0	10
140	180	143.5	143	50.0	12
160	200	163.5	163	50.0	12
180	215	183.5	183	50.0	12
200	240	203.5	203	50.0	12

Dimensions in millimeter

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