

Pulace



Operating range

Pressure: $p = 10$ bar (145 PSI)

Temperature:

$t = -20$ °C ... $+200$ °C (-4 °F ... 392 °F)

Sliding velocity: $vg = 20$ m/s (66 ft/s)

Viscosity: ... 100 Pa·s

Solids content: ... 20 %

Materials

Seal face and seat: Silicon carbide (Q1),

Tungsten carbide (U7)

Secondary seals: EPDM (E)

Metal parts: CrNiMo steel (G)

Recommended applications

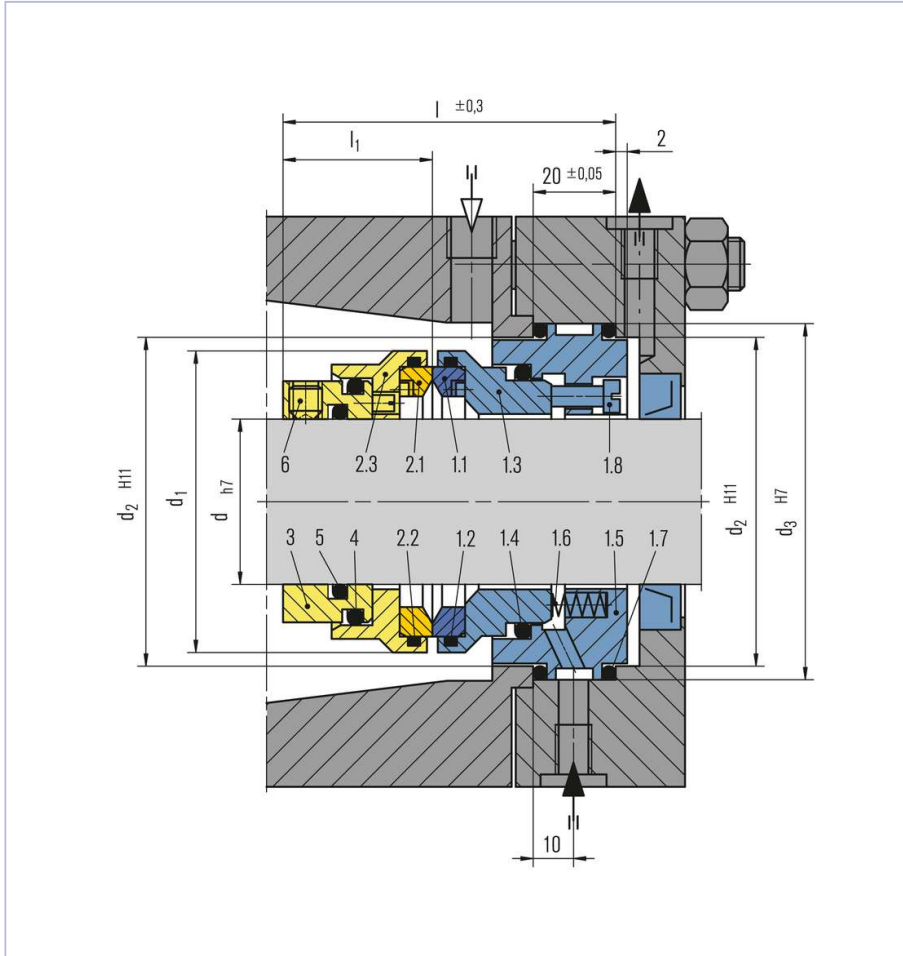
- Sugar industry
- Pulp and paper industry
- Highly concentrated black water
- Green water
- White water
- Pulp suspensions
- Chemical solutions
- Alkaline solutions
- Slurries
- Highly viscous liquids
- Raw sludge pumps
- Thick juice pumps
- Conveying and bottling of dairy products

Features

- Single seal
- Balanced
- Independent of direction of rotation
- Stationary multiple springs
- Springs and pins not in contact with the medium

Advantages

- Stationary seat and/or seal face replaceable
- Can be adopted under positive pressure or under back pressure
- Operation in vacuum without additional seat locking possible



Item Description

- 1.1 Seal face
- 1.2 O-Ring
- 1.3 Retainer
- 1.4 O-Ring
- 1.5 Adapter
- 1.6 Spring
- 1.7 O-Ring
- 1.8 Drive screw
- 2.1 Seat
- 2.2 O-Ring
- 2.3 Retainer
- 3 Drive collar
- 4 O-Ring
- 5 O-Ring
- 6 Set screw

Dimensions

| d | d ₁ | d ₂ | d ₃ | l | l ₁ |
|-----|----------------|----------------|----------------|----|----------------|
| 20 | 46 | 51 | 57 | 71 | 34 |
| 25 | 51 | 58 | 64 | 71 | 34 |
| 30 | 56 | 63 | 69 | 71 | 34 |
| 35 | 62 | 68 | 74 | 75 | 37 |
| 40 | 69 | 76 | 82 | 80 | 38 |
| 45 | 78 | 83 | 89 | 80 | 38 |
| 50 | 78 | 86 | 92 | 80 | 38 |
| 55 | 86 | 92 | 98 | 80 | 38 |
| 60 | 91 | 98 | 104 | 78 | 37 |
| 65 | 97 | 102 | 108 | 81 | 38 |
| 70 | 102 | 109 | 115 | 80 | 38 |
| 75 | 107 | 114 | 120 | 82 | 39 |
| 80 | 112 | 119 | 125 | 82 | 40 |
| 85 | 118 | 124 | 130 | 85 | 40 |
| 90 | 128 | 137 | 143 | 85 | 42 |
| 95 | 128 | 137 | 143 | 85 | 42 |
| 100 | 135 | 144 | 150 | 85 | 42 |

Dimensions in millimeter