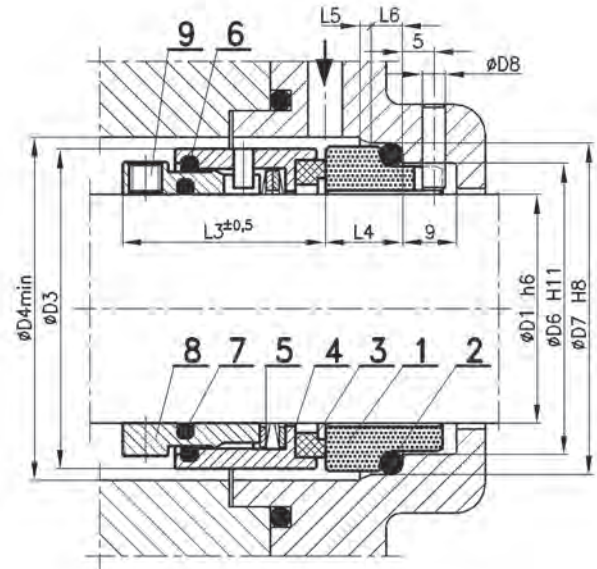


| Operating limits* | | |
|-------------------|-----------|-------------------|
| Pressure | p_{max} | 2.0 MPa |
| Temperature | t_{max} | 200 °C |
| Speed | v_{max} | 20 m/s (4000 rpm) |

* - see note on page 3.

- Single mechanical seal
- Balanced
- Wave spring
- Dual directional
- Spring isolated from medium



Dimensions (mm)

| D1 | D3 | D4 | D6 | D7 | D8 | L3* | L4 | L5 | L6 |
|-----|-----|-----|-----|-----|----|------|------|-----|----|
| 18 | 32 | 34 | 27 | 33 | 3 | 26,0 | 11,5 | 2,0 | 5 |
| 20 | 34 | 36 | 29 | 35 | 3 | 26,0 | 11,5 | 2,0 | 5 |
| 22 | 36 | 38 | 31 | 37 | 3 | 26,0 | 11,5 | 2,0 | 5 |
| 24 | 38 | 40 | 33 | 39 | 3 | 28,5 | 11,5 | 2,0 | 5 |
| 25 | 39 | 41 | 34 | 40 | 3 | 28,5 | 11,5 | 2,0 | 5 |
| 26 | 40 | 42 | 34 | 40 | 3 | 28,5 | 11,5 | 2,0 | 5 |
| 28 | 42 | 44 | 37 | 43 | 3 | 31,0 | 11,5 | 2,0 | 5 |
| 30 | 44 | 46 | 39 | 45 | 3 | 31,0 | 11,5 | 2,0 | 5 |
| 32 | 46 | 48 | 42 | 48 | 3 | 31,0 | 11,5 | 2,0 | 5 |
| 33 | 47 | 49 | 42 | 48 | 3 | 31,0 | 11,5 | 2,0 | 5 |
| 35 | 49 | 51 | 44 | 50 | 3 | 31,0 | 11,5 | 2,0 | 5 |
| 38 | 54 | 58 | 49 | 56 | 4 | 31,0 | 14,0 | 2,0 | 6 |
| 40 | 56 | 60 | 51 | 58 | 4 | 31,0 | 14,0 | 2,0 | 6 |
| 43 | 59 | 63 | 54 | 61 | 4 | 31,0 | 14,0 | 2,0 | 6 |
| 45 | 61 | 65 | 56 | 63 | 4 | 31,0 | 14,0 | 2,0 | 6 |
| 48 | 64 | 68 | 59 | 66 | 4 | 31,0 | 14,0 | 2,0 | 6 |
| 50 | 66 | 70 | 62 | 70 | 4 | 32,5 | 15,0 | 2,5 | 6 |
| 53 | 69 | 73 | 65 | 73 | 4 | 32,5 | 15,0 | 2,5 | 6 |
| 55 | 71 | 75 | 67 | 75 | 4 | 32,5 | 15,0 | 2,5 | 6 |
| 58 | 78 | 83 | 70 | 78 | 4 | 37,5 | 15,0 | 2,5 | 6 |
| 60 | 80 | 85 | 72 | 80 | 4 | 37,5 | 15,0 | 2,5 | 6 |
| 63 | 83 | 88 | 75 | 83 | 4 | 37,5 | 15,0 | 2,5 | 6 |
| 65 | 85 | 90 | 77 | 85 | 4 | 37,5 | 15,0 | 2,5 | 6 |
| 68 | 88 | 93 | 81 | 90 | 4 | 37,5 | 15,0 | 2,5 | 7 |
| 70 | 90 | 95 | 83 | 92 | 4 | 43,0 | 17,0 | 2,5 | 7 |
| 75 | 99 | 104 | 88 | 97 | 4 | 43,0 | 17,0 | 2,5 | 7 |
| 80 | 104 | 109 | 95 | 105 | 4 | 43,0 | 17,0 | 3,0 | 7 |
| 85 | 109 | 114 | 100 | 110 | 4 | 43,0 | 17,0 | 3,0 | 7 |
| 90 | 114 | 119 | 105 | 115 | 4 | 48,0 | 17,0 | 3,0 | 7 |
| 95 | 119 | 124 | 110 | 120 | 4 | 48,0 | 17,0 | 3,0 | 7 |
| 100 | 124 | 129 | 115 | 125 | 4 | 48,0 | 17,0 | 3,0 | 7 |

* tolerance of L_3 dimension is ± 0.5 mm
Other dimensions are available as an option. Please contact ANGA.

Legend

- | | |
|--------------------------|-----------------|
| 1. Stationary ring | 6. O-ring |
| 2. O-ring | 7. O-ring |
| 3. Rotating ring | 8. Seal housing |
| 4. Rotating ring housing | 9. Set screw |
| 5. Wave spring | |

Application

US is a universal mechanical seal with a wide range of applications. It is designed for operation with cold and hot water, oils, fuels, poorly aggressive chemicals and other liquids containing solid particles. Used mainly in centrifugal pumps in sewage treatment plants, pulp & paper, chemical, petrochemical, food processing and sugar industries.

Materials

| Part | Code |
|---------------------------|------------|
| Rotating ring | A, B, U, Q |
| Stationary ring | U2, Q |
| Secondary, flexible seals | E, K, V |
| Spring | G, M |
| Other metal parts | G, M |