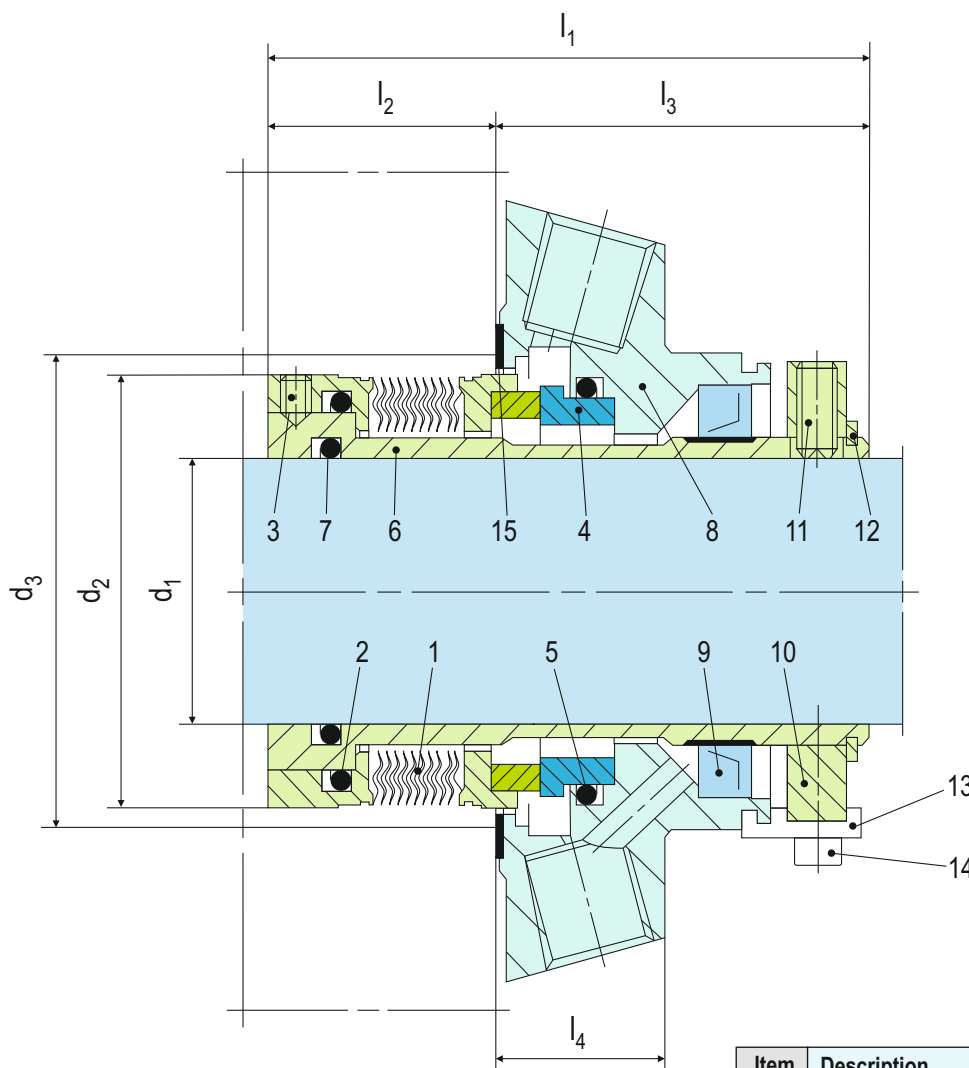


Product Description

1. Single seal configuration
2. Balanced design
3. Independent of direction of rotation
4. Cartridge construction
5. Metal bellows design
6. Single seal with quench and lip seal (-QN) or throttle ring (-TN)
7. Connections for flush and quench available
8. Multipoint injection ring design for (-QNM, -TNM)

Technical Features

1. Ideal for use in process pump standardization
2. Dimensional modification of the stuffing box chamber is not required due to short radial installation height
3. Ideal to convert and retrofit pumps with packings and large volume OEM production
4. Cartridge unit factory assembled for easy installation, which reduces downtime
5. Rugged design for long operating life
6. Bellows design efficiently ensure self-cleaning
7. Suitable for high temperature applications



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

- Refining technology
- Petrochemical industry
- Hot media
- Cold media
- Highly viscous media
- Pumps
- Special rotating equipment

Materials

- Seal face: Carbon graphite antimony impregnated (A), Silicon carbide (Q1)
- Seat: Silicon carbide (Q1)
- Secondary seals: FKM (V), EPDM (E), FFKM (K)
- Bellows: Inconel® 718 (M6)
- Metal parts: CrNiMo steel (G), Duplex (G1)
- Throttle ring: PTFE carbon graphite reinforced (T12)
- Lip seal: NBR (P), PTFE carbon reinforced (T3)

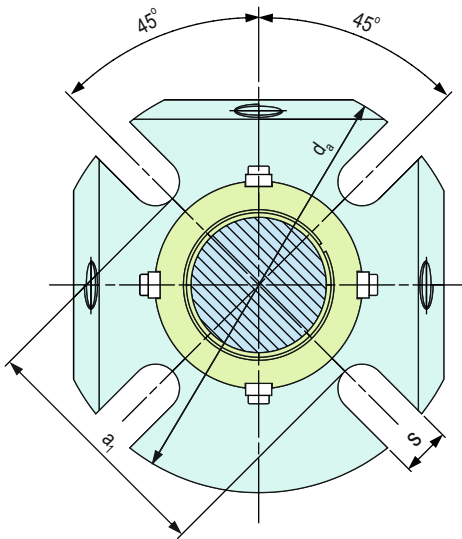
Performance Capabilities

- Shaft diameter: $d_1 = 25 \dots 80 \text{ mm}$ (1" ... 3.15")
- Temperature: $t^1 = -40 \text{ °C} \dots +220 \text{ °C}$ (-40 °F ... +428 °F)
- Pressure: $p = 25 \text{ bar}$ (363 PSI)
- ¹Operating limits of O-rings to be observed

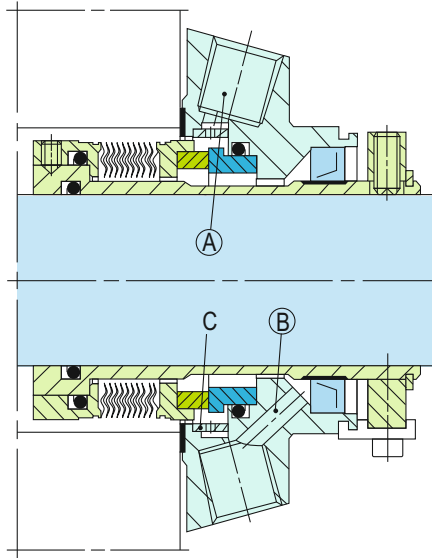
Item	Description
1	Bellows unit
2, 5, 7	O-ring
3, 11	Set screw
4	Seat
6	Shaft sleeve
8	Cover

Item	Description
9	Lip seal (-QN) or throttle ring (-TN)
10	Drive collar
12	Retaining ring
13	Assembly fixture
14	HSH Cap Screw
15	Gasket

Installation, Details, Options

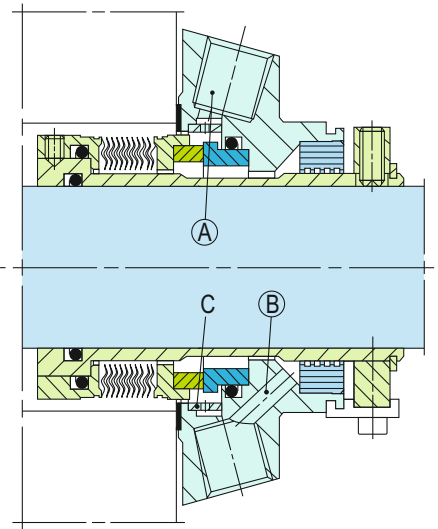


Product Variants



MTX-QNM

Single seal, as MTX-QN with additional multipoint injection ring (item C).



MTX-TNM

Single seal, as MTX-TN with additional multipoint injection ring (item C).

Dimensional Data

Dimensions in millimeter

d_1	d_2	d_3 min.	d_3 max.	l_1	l_2	l_3	l_4	d_a	a_1	s
25	45.0	47.0	51.0	79.5	26.1	53.4	25.4	105.0	62.0	13.2
30	49.4	52.0	56.0	78.4	25.0	53.4	25.4	105.0	67.0	13.2
32	52.3	54.5	57.0	78.4	25.0	53.4	25.4	108.0	70.0	13.2
33	52.3	54.5	57.0	78.4	25.0	53.4	25.4	108.0	70.0	13.2
35	54.8	58.0	61.5	78.4	25.0	53.4	25.4	113.0	72.0	13.2
38	57.5	60.0	66.0	78.4	25.0	53.4	25.4	123.0	75.0	13.2
40	58.8	62.0	68.0	78.2	24.8	53.4	25.4	123.0	77.0	14.2
43	61.9	64.5	70.5	78.4	25.0	53.4	25.4	133.0	80.0	14.2
45	65.0	68.5	73.0	78.4	25.0	53.4	25.4	138.0	82.0	14.2
48	68.4	71.0	75.0	78.7	25.3	53.4	25.4	138.0	85.0	14.2
50	70.0	73.0	78.0	79.1	25.7	53.4	25.4	148.0	87.0	14.2
53	71.9	75.0	87.0	77.8	24.4	53.4	25.4	148.0	97.0	18.0
55	74.6	77.0	83.0	78.9	25.5	53.4	25.4	148.0	92.0	18.0
60	83.9	87.0	91.0	80.1	26.7	53.4	25.4	157.0	102.0	18.0
65	87.5	90.0	98.5	80.0	26.6	53.4	25.4	163.0	109.3	18.0
70	93.0	98.0	108.0	81.5	28.1	53.4	25.4	178.0	118.3	18.0
75	96.8	101.6	118.0	94.4	30.5	63.9	28.0	190.0	129.0	18.0
80	104.7	108.0	124.0	94.4	30.4	64.0	28.0	195.0	135.0	18.0

Note: Additional technical & dimensional information will be provided on request.