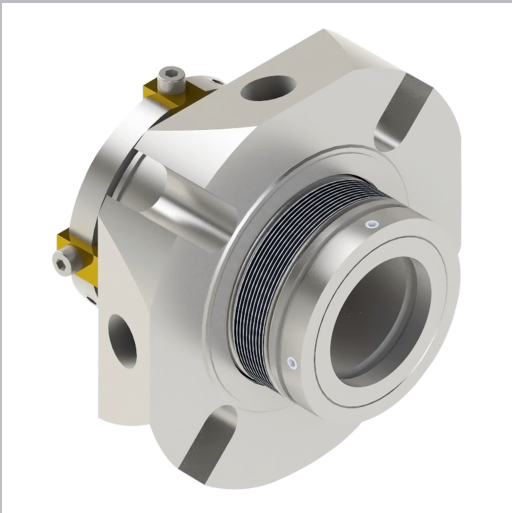


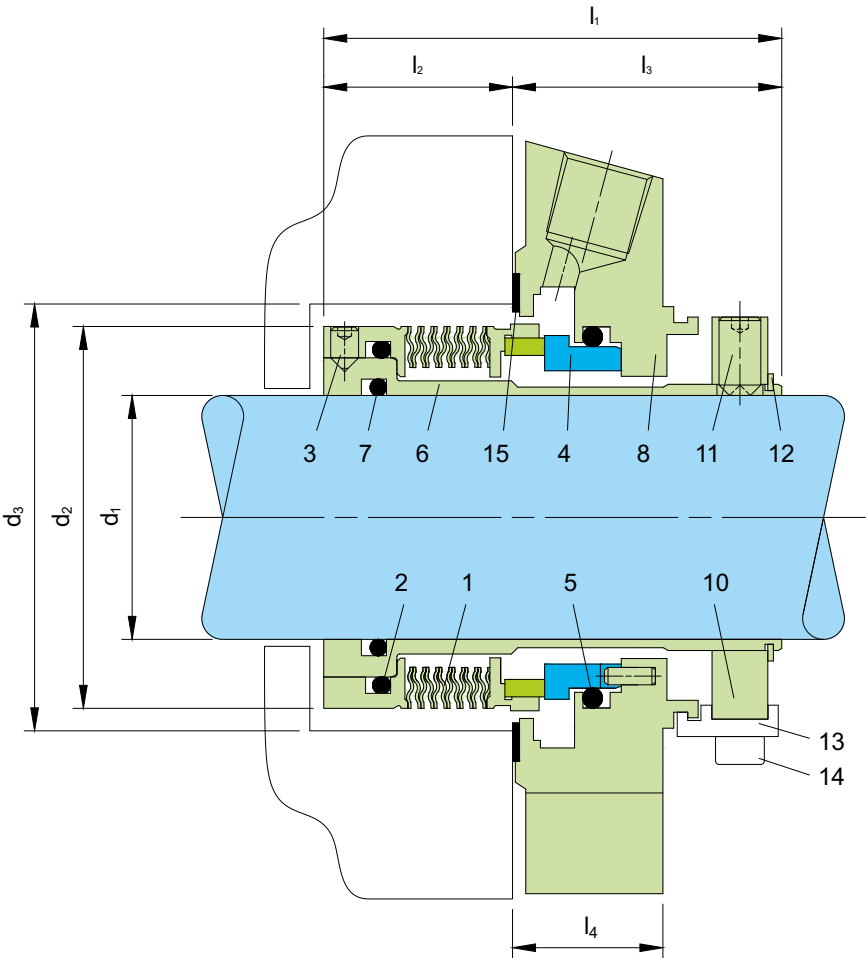


Product Description

- 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 down-time
- 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

API & ISO Pumps	Fertiliser
Acids (some)	Fuel oil, lubricating oil, gasoline, etc
Aqueous solutions	Heat transfer fluids
Aromatic fractionation products	Highly viscous media
Benzene, toluene, solvents, etc	Hydrocarbons
Caustics & chemicals	Lubricating liquids
Crude oil fractionation products	Oil & gas
	Petrochemical
	Refining technology

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)

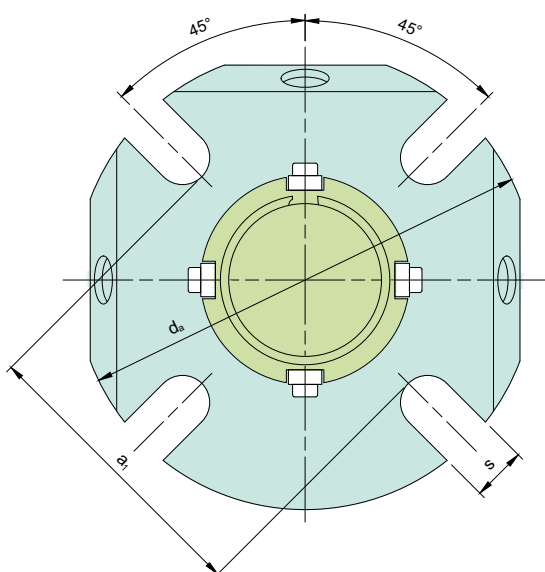
Performance Capabilities

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

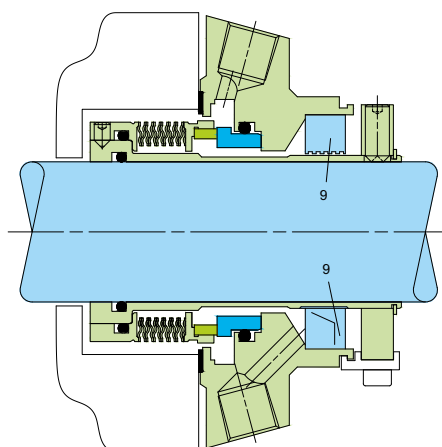
Item	Description
1	Bellows unit
2, 5, 7	O-ring
3, 11	Set screw
4	Seat
6	Shaft sleeve
8	Cover

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

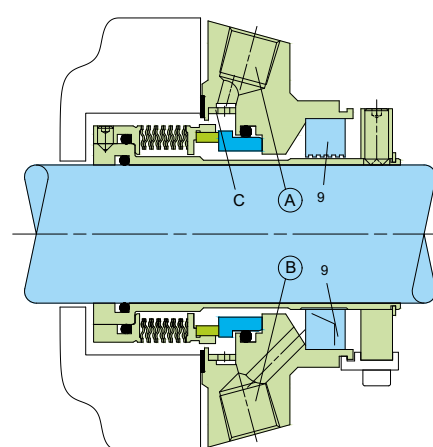


Product Variants



MTX-TN / QN

Single seal, as MTX-TN / QN



MTX-TNM / QNM

Single seal, as MTX-TN / QN 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	Connection
25	45.0	47.0	51.0	79.5	26.1	53.4	25.4	105.0	62.0	13.2	1/4 NPT
30	49.4	52.0	56.0	78.4	25.0	53.4	25.4	105.0	67.0	13.2	1/4 NPT
32	52.3	54.5	57.0	78.4	25.0	53.4	25.4	108.0	70.0	13.2	1/4 NPT
33	52.3	54.5	57.0	78.4	25.0	53.4	25.4	108.0	70.0	13.2	1/4 NPT
35	54.8	58.0	61.5	78.4	25.0	53.4	25.4	113.0	72.0	13.2	1/4 NPT
38	57.5	60.0	66.0	78.4	25.0	53.4	25.4	123.0	75.0	13.2	3/8 NPT
40	58.8	62.0	68.0	78.2	24.8	53.4	25.4	123.0	77.0	14.2	3/8 NPT
43	61.9	64.5	70.5	78.4	25.0	53.4	25.4	133.0	80.0	14.2	3/8 NPT
45	65.0	68.5	73.0	78.4	25.0	53.4	25.4	138.0	82.0	14.2	3/8 NPT
48	68.4	71.0	75.0	78.7	25.3	53.4	25.4	138.0	85.0	14.2	3/8 NPT
50	70.0	73.0	78.0	79.1	25.7	53.4	25.4	148.0	87.0	14.2	3/8 NPT
53	71.9	75.0	87.0	77.8	24.4	53.4	25.4	148.0	97.0	18.0	3/8 NPT
55	74.6	77.0	83.0	78.9	25.5	53.4	25.4	148.0	92.0	18.0	3/8 NPT
60	83.9	87.0	91.0	80.1	26.7	53.4	25.4	157.0	102.0	18.0	3/8 NPT
65	87.5	90.0	98.5	80.0	26.6	53.4	25.4	163.0	109.3	18.0	3/8 NPT
70	93.0	98.0	108.0	81.5	28.1	53.4	25.4	178.0	118.3	18.0	3/8 NPT
75	96.8	101.6	118.0	94.4	30.5	63.9	28.0	190.0	129.0	18.0	3/8 NPT
80	104.7	108.0	124.0	94.4	30.4	64.0	28.0	195.0	135.0	18.0	3/8 NPT

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

The specifications, drawings, images etc included in this catalogue are intended to be generic and must be interpreted as equivalent or functionally equivalent, more specifically the performance capabilities mentioned in this catalogue is based on optimum values, however the performance of the product is dependent on size, material of construction, media, pressure, temperature, sliding velocity etc and it shall vary from size to size or application to application. Customers are requested to consult with Sealmatic before employing the product from this catalogue for any application.