

VTX Single Seals

For Eccentric Screw Pumps - Standard Cartridge Seals

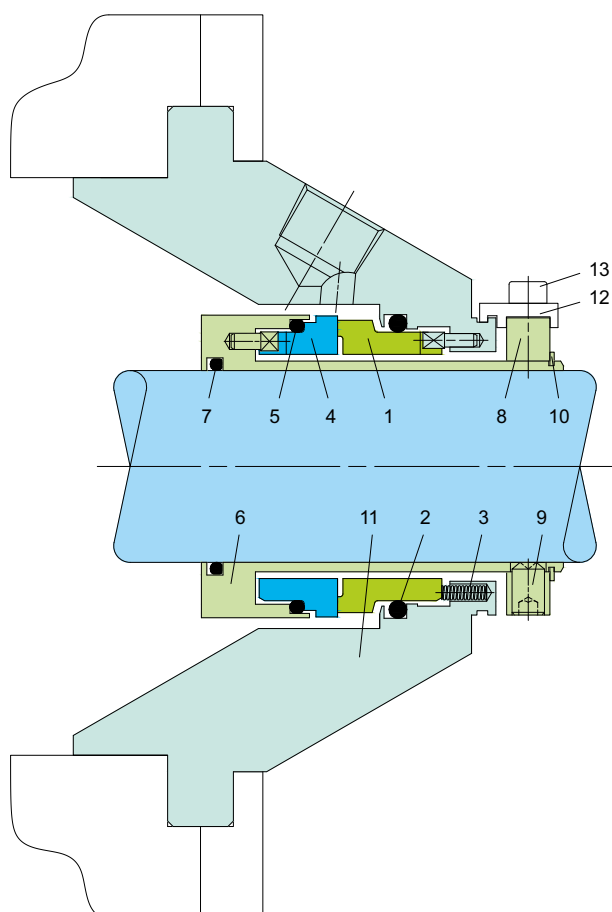


Product Description

1. Single seal configuration
2. Balanced design
3. Independent of direction of rotation
4. Cartridge construction

Technical Features

1. Ideal for use in process pump standardization
2. O-ring is dynamically loaded to prevent shaft damage.
3. Dimensional modification of the stuffing box chamber is not required due to short radial installation height
4. Ideal to convert and retrofit pumps with packings and large volume OEM production
5. Cartridge unit factory assembled for easy installation, which reduces down-time
6. Rugged design for long operating life



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.

Item	Description
1	Seal face
2, 5, 7	O-ring
3	Spring
4	Seat
6	Shaft sleeve
8	Drive collar
9	Set screw

Item	Description
10	Snap ring
11	Cover
12	Assembly fixture
13	HSH Cap Screw

VTX

CTX seals with modified cover for eccentric screw pumps.

Example Pumps: Seepex BN, Netzsch NM...S, NM...B, NE (P), Allweiler AE, AEB, AED, Robbins & Myers / Moyno 2000 CC, and Mono E-Range.

Typical Industrial Applications

Breweries	Sugar production
Chemical	Water & waste water
Cosmetic	
Fertiliser	
Food & beverage	
Oil & gas	
Paint	
Pharmaceutical	
Pulp & paper	

Materials

Seal face:	Silicon carbide (Q1), Carbon graphite resin impregnated (B), Tungsten carbide (U2)
Seat:	Silicon carbide (Q1)
Secondary seals:	FKM (V), EPDM (E), FFKM (K), Perfluorocarbon rubber/PTFE (U1)
Springs:	Hastelloy® C-4 (M)
Metal parts:	CrNiMo steel (G), CrNiMo cast steel (G)

Performance Capabilities

VTX-SN, -SNO, -QN, -TN	
Sizes:	Upto 100 mm (Upto 4.000")
Other sizes on request	
Temperature:	t = -40 °C...+220 °C (-40°F...+428 °F) (Check O-ring resistance)
Sliding face material combination Bq1	
Pressure:	p _i = 25 bar (363 PSI)
Speed:	= 16 m/s (52 ft/s)
Sliding face material combination Q1Q1 or U2Q1	
Pressure:	p _i = 12 bar (175 PSI)
Speed:	= 10 m/s (33 ft/s)

Permissible Axial Movement

± 1.0 mm, d_i ≥ 75 mm ± 1.5 mm

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.