

VTX Single Seals

For Eccentric Screw Pumps - Standard Cartridge Seals

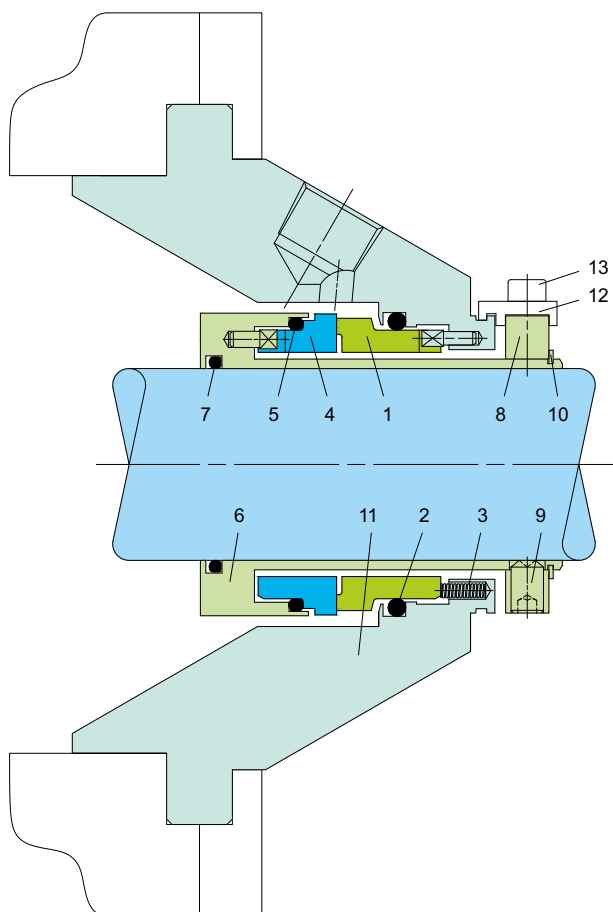


Product Description

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 BQ 1

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

d_i < 75mm = ± 1.0mm, d_i > 75mm = ± 1.5mm