VTX Dual Seals

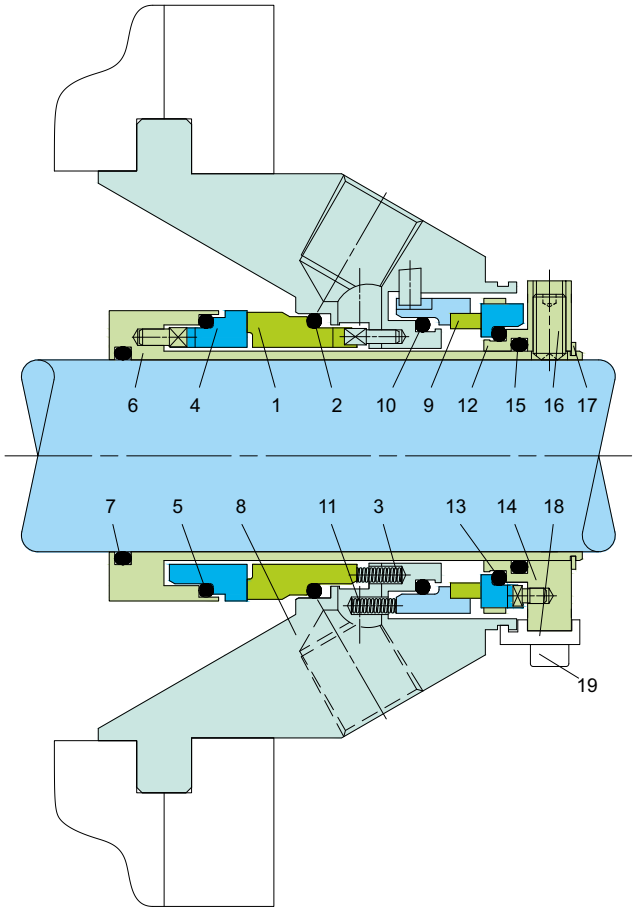
For Eccentric Screw Pumps - Standard Cartridge Seals

Product Description

1. Dual seal configuration
2. Balanced design
3. Independent of direction of rotation
4. Cartridge construction
5. Double pressure balanced
6. Designed with integrated pumping device for increased efficiency in circulation
7. Suitable for eccentric screw pumps

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 10,13,15	O-ring
3	Spring
4,12	Seat
6	Shaft sleeve
8	Cover

Item	Description
9	Seal Face
11	Spring
14	Driver
16	Set screw
17	Retaining Ring
18	Assembly Fixture
19	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), Perflourocarbon rubber/PTFE (U1)
Springs	Hastelloy® C-4 (M)
Metal parts	CrNiMo steel (G), CrNiMo cast steel (G)

Performance Capabilities

Sizes	Upto 140 mm (Upto 5.500") 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_1 = 25 bar (363 PSI)
Speed	16 m/s (52 ft/s)
Sliding face material combination Q1Q1 or U2Q1	
Pressure	p_1 = 12 bar (175 PSI)
Speed	10 m/s (33 ft/s)

Permissible Axial Movement

d_1< 75mm = ± 1.0mm, d_1 >75mm = ± 1.5mm

wafaseal