

# VTX Dual Seals

# For Eccentric Screw Pumps - Standard Cartridge Seals

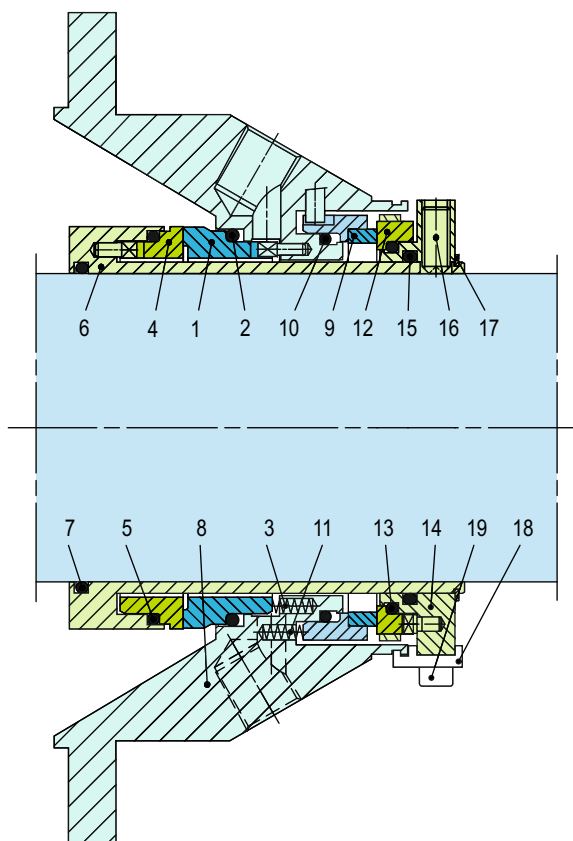


### Product Description

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 downtime
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

- Foodstuffs and animal feed industries
- Sweet cider pressing and beverage production
- Viticulture and wineries
- Spirit production and alcohol industry
- Breweries and malt houses
- Sugar industry
- Pharmaceuticals and cosmetics industry
- Oil and gas industry
- Pulp and paper production
- Paint and lacquer industry
- Chemicals industry
- Automobile industry
- Water and wastewater industry

### 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

Sizes: Upto 140mm (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:  $\pm 1.0$  mm,

$d_1 \geq 75$  mm  $\pm 1.5$  mm