



Single Cartridge Type V5B 16D

API 682 Mechanical Seals

API 682 Category 2 & 3 ,Type A, Arrangement 1



PRODUCT DESCRIPTION

API 682 Category 2 & 3, Type A, Arrangement 1 Type V5B 16D is a reliable, high-performance, balanced single cartridge pusher-type seal with a floating or segmented throttle bushing, independent of shaft rotation direction. It is designed to seal fluids in a wide range of refinery applications, including crude oil products, aromatic fractionation products, and chemicals.

FEATURES

- API 682 Category 2 & 3, Type A, Arrangement 1
- Easy-to-install single cartridge design
- Balanced
- Multiple springs
- Independent of shaft rotating direction
- Floating or segmented spring-loaded carbon throttle bushing
- Integrated pumping ring available

APPLICATION

- Hydrocarbons (light and heavy)
- Refinery & Petrochemical industry
- Oil & gas industry
- Chemical industry
- Power plant technology
- Process pumps

MATERIALS

- Seal face: Carbon antimony impregnated, SiC
- Stationary seat: SiC, TC
- Secondary seal: NBR, EPDM, FKM, FFKM
- Spring: 1.4571 (316Ti) Hastelloy C
- Metal Parts: 1.4004(316L)
- Optional materials on request

LIMITING FACTORS

- Shaft diameter: D1= 25...120mm
- Pressure: p1= 40 bar
- Temperature: t= -40°C...+260°C
- Sliding velocity: Vg= 23 m/s