



Type V5B 17D

API 682 Mechanical Seals

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



PRODUCT DESCRIPTION

API 682 Category 2 & 3, Type A, Arrangement 2 or 3 Type V5B 17D is a reliable, high-performance, balanced double cartridge pusher-type tandem seal, independent of shaft rotation direction. It is designed to seal hazardous fluids in applications where the sealing environment must be strictly controlled. Commonly used in processes involving volatile organic compounds, hydrocarbons, benzene, toluene, solvents, fuel oil, gasoline, chemicals, and caustics.

FEATURES

- API 682 Category 2 & 3, Type A, Arrangement 2 or 3
- Easy-to-install double cartridge design
- Balanced
- Multiple springs
- Independent of shaft rotating direction
- Integrated pumping ring available
- Extended selection of materials

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