



## PRODUCT DETAILS

## METAL BELLOW MECHANICAL SEAL

### TYPE FS-28 & FS -29

Type **FS-28** seals specially designed for high temperature application and suitable for high start- up torque since the bellow unit is independent of torque transmission. Grafoil is used as a secondary member having excellent temperature range up to 400C. Shrunk fit seal face design minimize face distortion restricting leakage and wear rate to very low level under a wide range of condition.

### TYPE FS-29

Type **FS-29** seals are widely used in refinery, petrochemicals and chemical industries. Static o-ring is used as a secondary member. The absence of dynamic o-ring prevents possibility of seal hang-up.

### Materials

- Seal Faces : Carbon / SIC / Tung. Carbide
- Metal Parts : SS316 / AM 350 / Carpenter 20 /  
Carpenter 42 / Hastelloy-C / Alloy
- Secondary Sealing : FKM / EPDM / NBR / GRAFOIL / SILOCONE



FS-28

FS-29

### Operating Parameters

- Shaft Sizes d1 : 18...100mm
- Pressure p : 10 bar (max)
- Temperature t : -20...+400 °C  
-20...+200 °C
- Speed v : up to 23 m/s