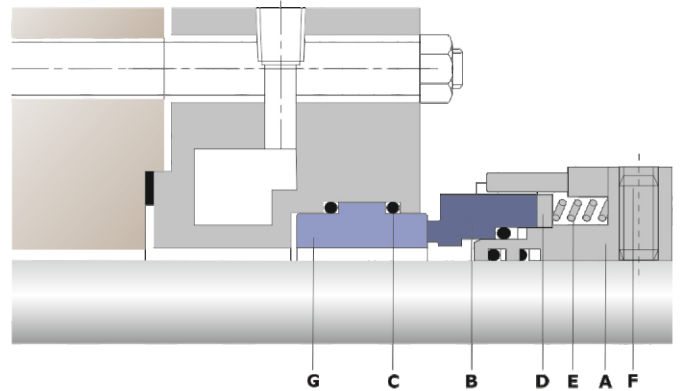




PRODUCT DETAILS

METAL BELLOW SAMI CARTRIDGE MECHANICAL SEAL



TYPE FS-39

Type FS-39 A semi-cartridge metal bellow mechanical seal is a robust, Pre-assembled sealing unit for pumps, Using flexible metal bellows instead of elastomers for high-temperature, corrosive, Or challenging fluid applications, Offering easy installation (semi-cartridge) while handling severe conditions like hot oils, Chemicals, and vacuum, Where standard seals might fail due to heat or chemical attack.

Part No. Description

A	Retainer
B	Seal Face
C	O-Ring
D	Thrust Ring
E	Spring
F	Grub Screw
G	Stationary Seat

Key Features & Benefits:

- **Metal Bellows** : Flexible, corrugated metal (like SS316L, Hastelloy) replaces rubber O-rings, eliminating elastomer failure from heat or chemicals.
- **Semi-Cartridge Design** : Pre-assembled for simpler, faster installation, reducing errors, yet more cost-effective than full cartridges.
- **High-Performance** : Handles extreme temperatures (up to 350°C) and corrosive media, preventing leaks in pumps, mixers, and agitators.
- **Self-Clearing** : Rotating bellows designs help clear debris, preventing clogging.
- **Versatile** : Used in petroleum, petrochemical, wastewater, food processing, and power generation.

Applications

- General Chemicals
- Food & Pharma
- Petrochemicals

Operating Parameters

- Shaft Sizes d1 : 19...100mm (3/4" -4.0")
- Pressure p : 18 bar (max)
- Temperature t : -50...+350 °C
- Speed v : up to 25 m/s

Materials

- Metal Bellow : AM350, Alloy-20, Hast-C
- Material : SS316, Car. 42, Alloy 20, Hastelloy-C
- Elastomer : FKM, NBR, EPDM, Silicon, FEP, Graphoil, Karlez.