

# SPI-M255

Metal Bellow Cartridge seal  
Technical Data Sheet



## Features

**High-Temperature Resistance:** Operates reliably within a temperature range of -117°C to 426°C, with select models enduring up to 400°C continuously.

**Corrosion Resistance:** Compatible with aggressive media, including acids, alkalis, and hydrocarbons, through material customization (e.g., Hastelloy, stainless steel, or nickel-based alloys).

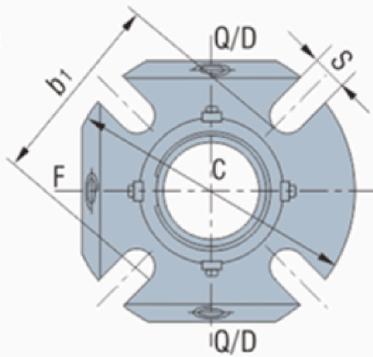
**Axial Compliance:** Compensates for shaft misalignment, vibration, and thermal expansion without compromising seal integrity.

Metal bellows cartridge SPI-M255 represent an advanced sealing solution designed for high-performance applications in demanding industrial environments. This integrated assembly combines a metal bellows element with precision-engineered sealing components, offering exceptional reliability under extreme temperature, pressure, and corrosive conditions.

## Product Structure

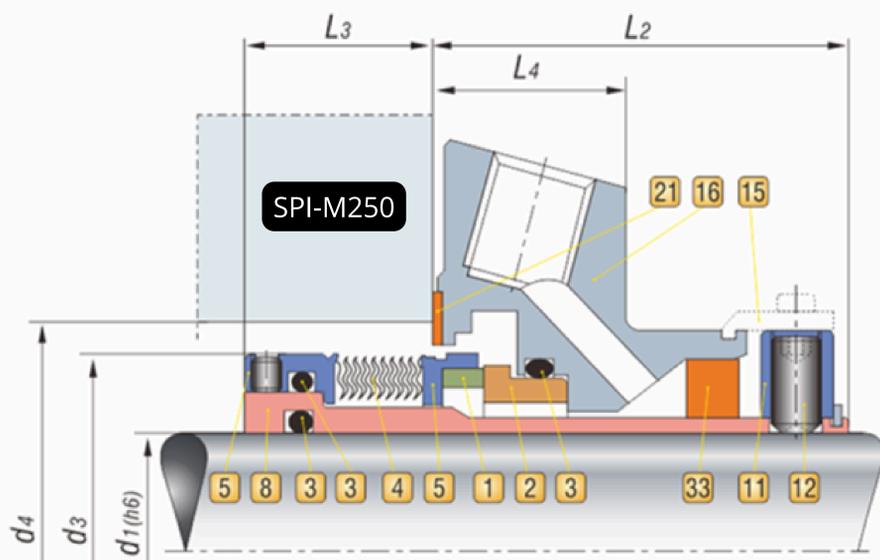
### Connections

1/4"NPT  
3/8"NPT



### PARTS NAME

- |                   |                      |
|-------------------|----------------------|
| 1 Rotary Face     | 11 Drive Collar      |
| 2 Stationary Seta | 12 Set Screw         |
| 3 O-Ring          | 15 Assembly fixture  |
| 4 Bellows unit    | 16 Flange Seat Cover |
| 5 Metal Patrts    | 21 Flange Gasket     |
| 8 Shaft Sleeve    | 33 Shaft seal        |



## Combination Materials

### Seal Face

- Reaction Bonded Sic RBSIC O
- Sintered Silicon Carbide SSIC O<sub>1</sub>
- Tungsten Carbide W
- Carbon graphite, resin impreg A<sub>k</sub>
- Carbon graphite,antimony impreg A<sub>b</sub>

### Auxiliary Seal

- EPDM E
- FKM V
- NBR P
- FFKM K

### Spring

- Hastelloy C-276 M5

### Metal Parts

- GrNiMo-Steel (AIS1316) G
- Hastelloy C-276 M5

### Metal Bellows

- GrNiMo-Steel (AIS1316) G
- Inconel 718 M6
- AM350 T6