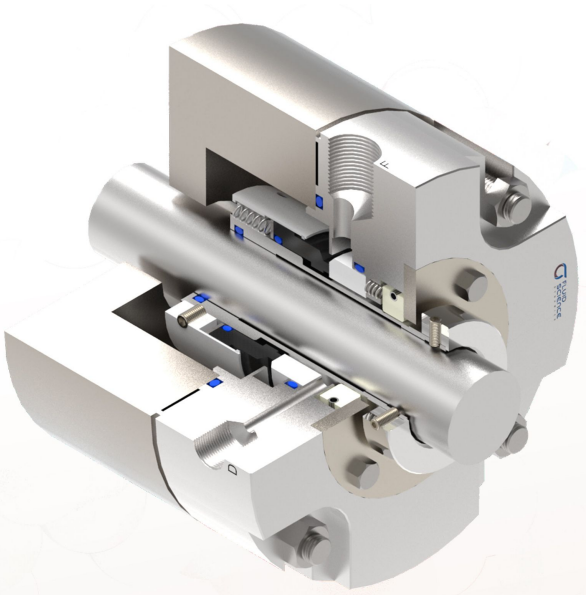
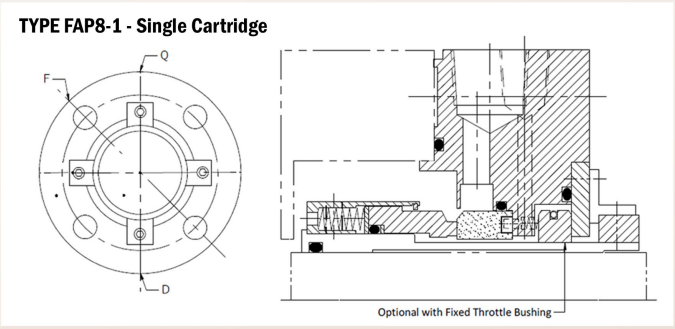


CARTRIDGE SEAL TYPE FAP8-1



PERFORMANCE

- Pressure : up to 1000 PSIG
- Temperature : -40°C to 260°C
- Speed : up to 25 m/s
- Size range : 1.000" to 4.500" (25mm to 120mm)

MATERIALS

- Rotary face : Antimony Carbon, SiC, TC
- Stationary face : SiC, TC
- Spring : Alloy C-276, SS 316L
- O-ring : EPDM, FKM, Aflas, FFKM

PRODUCT DETAILED DESCRIPTION

Type FAP8-1 multiple spring pusher seal (API 682 Categories 2 and 3, Type A, Arrangement 1) is specified within API 682 for sealing low temperature flashing hydrocarbons. Type FAP8-1 seal is designed to minimize the pressure distortion and flashing potential of light hydrocarbon fluids to provide long seal life and low fugitive emissions.
Typically, a Plan 11 flush or a Plan 23 is applied depending on the pumping temperature. If the pumping temperature is above 140°F/60°C, a circulating device should be added. Dual unpressurized (FAP8-2) and dual pressurized (FAP8-3) seals may also be considered for these services, especially LPGs.
Type FAP8-1 single seals typically control emissions to less than 500 ppm.

Design Features:

- API 682 qualification tested.
- Easy-to-install cartridge design with registered fit.
- Segmented spring-loaded carbon throttle bushing for effective containment.
- Distributed flush optimizes circulation of liquid at faces and prevents trapped vapor.
- Available with pumping ring when utilizing an API Flush Plan 23.
- Dual seals equipped with pumping ring for optimized flow.

Scopes of Application:

- Fully meets the needs of the oil and gas industry for hydrocarbon and other services as defined by API 682 for Type A seal duties. This includes: heavy and light hydrocarbons, lubricating liquids, aqueous solutions, chemicals, and some acids.
- Industrial applications involved in the processing of VOCs and similar hazardous products.

Customization:

customization of design is possible to suit your operating parameters. Please contact us with your requirements.