APOG23-FLP

SINGLE CARTRIDGE SEAL
CATEGORY 2/3
TYPE A
1CW-FL



TECHNICAL FEATURES

- The sealing configuration is 1CW-FX, Contacting single wet seal with a fixed throttle bushing.
- Balanced integral ring design can better resist pressure fluctuations in the sealing chamber.
- Stationary pusher cartridge seal design.
- Efficient pump efficiency ring design for better circulation effect.
- Maze shaped throttling design provides better isolation from high-temperature media.
- Combined with the 23 scheme heat exchanger, the maximum medium temperature can reach 260 °C.
- Equipped with Quench and Drain environmental ports.
- Robust sealing rings, shaft sleeves, and other components.
- Adopting a floating graphite throttle bushing.

PRODUCT DESCRIPTION

- API 682 Category 1, Type A, Arrangement 1
- Single seal configuration
- Balanced design
- Independent of direction of rotation
- Cartridge construction
- Robust construction with shrink-fitted seal face
- Heavy duty solid seat design

TYPICAL INDUSTRIAL APPLICATIONS

- Chemical industry
- Petrochemical industry
- Oil and gas industry
- Highly volatile hydrocarbons
- Media with poor lubrication properties
- Low solids content and low abrasive media
- Vertical and horizontal ANSI chemical standard pumps

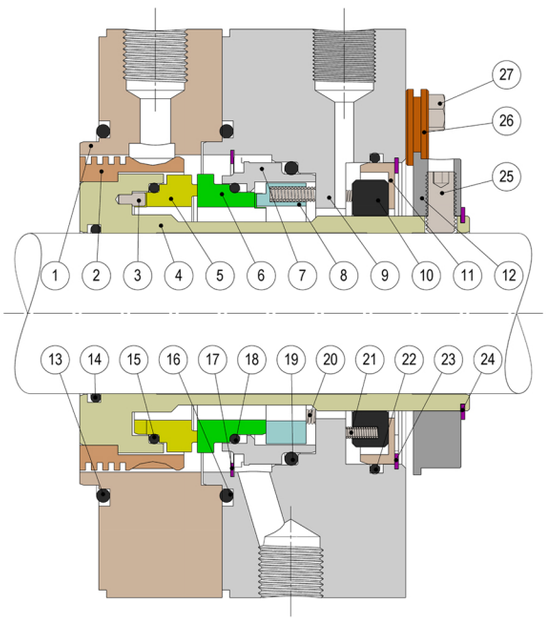
RECOMMENDED PIPING PLANS

Process side	23
Atmospheric side	61, 62, 65A, 65B

PERFORMANCE CAPABILITIES

Shaft diameter	20 ~110 mm (0.79" ~ 4.33")
Pressure	⩽ 40 bar
Temperature	-40 ° C ~+ 260 °C
Sliding velocity	⩽ 30 m/s

PRODUCT STRUCTURE DIAGRAM



THE COMPARISON CHART OF STANDARD MATERIAL

NO.	Name	Material
1	Gland Insert	316SS/Hast.C/D2205/D2507/904L
2	Rotary Holder	316SS/Hast.C/D2205/D2507/904L
3	Pin	316SS
4	Sleeve	316SS/Hast.C/D2205/D2507/904L
5	Rotary Face	Carbon/SIC/TC
6	Stationary Face	Carbon/SIC/TC
7	Deflector	316SS
8	Springs Seat	316SS
9	Gland	316SS
10	Bush Ring	Carbon
11	Bush Ring Seat	316SS
12	Clamp Ring	316SS
13,14,15	O-Ring	FKM/EPDM/Aflas/Kalrez
16,18,19	O-Ring	FKM/EPDM/Aflas/Kalrez
17,23,24	Circlip	316SS
20,21	Spring	Hast.C
22	O-Ring	FKM/EPDM/Aflas/Kalrez
25	Drive Screw	A2-70
26	Setting Clips	304SS
27	Clip Screws	A2-70

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