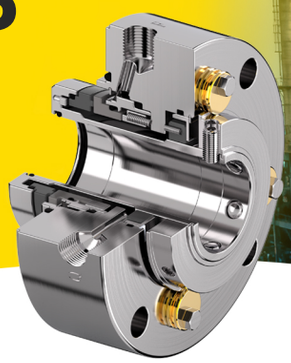
APOG-FLP

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





TECHNICAL FEATURES

01 Equipped with uniformly distributed flushing guide rings, which can evenly cool the friction surface.

02 Equipped with Quench and Drain environmental ports.

03 Adopting a floating graphite throttle bushing.

PRODUCT DESCRIPTION

- API 682 Category 2/3, 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
- Toxic and hazardous media
- Media with poor lubrication properties
- Low solids content and low abrasive media
- Vertical and horizontal ANSI chemical standard pumps

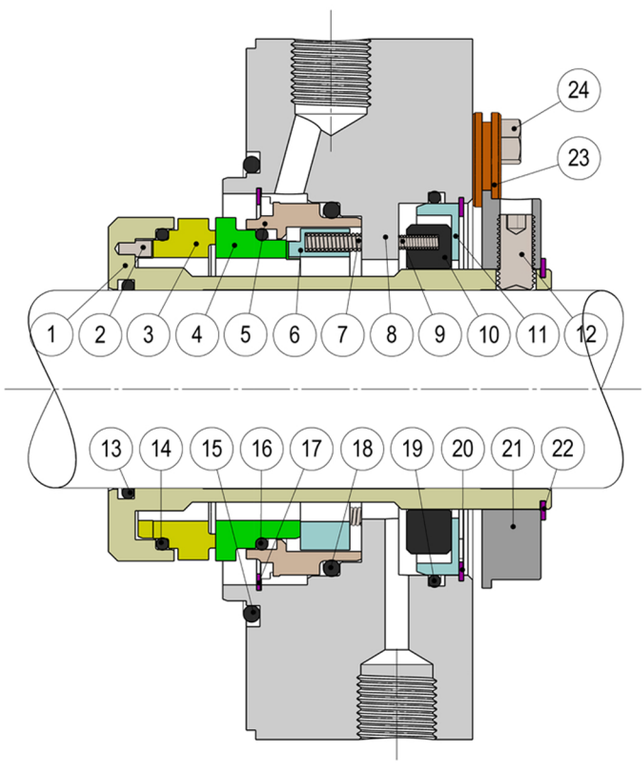
RECOMMENDED PIPING PLANS

Process side	01, 02, 03, 11, 12, 13, 14, 21, 22, 23, 31, 32, 41
Atmospheric side	51, 61, 62, 65A, 65B

PERFORMANCE CAPABILITIES

Shaft diameter	d1 = 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	Sleeve	316SS/Hast.C/D2205/D2507/904L
2	Pin	316SS
3	Rotary Face	Carbon/SIC/TC
4	Stationary Face	Carbon/SIC/TC
5	Deflector	316SS/Hast.C/D2205/D2507/904L
6	Springs Seat	316SS
7	Spring	Hast.C
8	Gland Insert	316SS/Hast.C/D2205/D2507/904L
9	Spring	Hast.C
10	Bush Ring	Carbon
11	Bush Ring Seat	316SS
12	Drive Screw	A2-70
13,14,15	O-Ring	FKM/EPDM/Aflas/Kalrez
16,18,19	O-Ring	FKM/EPDM/Aflas/Kalrez
17	Circlip	316SS
20	Circlip	316SS
21	Clamp Ring	316SS
22	Circlip	316SS
23	Setting Clips	304SS
24	Setting Screw	A2-70

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