APOG-FX

SINGLE CARTRIDGE SEAL
CATEGORY 1
TYPE A
1CW-FX



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 fixed 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
- Toxic and hazardous media
- Media with poor lubrication properties
- Low solids content and low abrasive media
- Vertical and horizontal ANSI chemical standard pumps

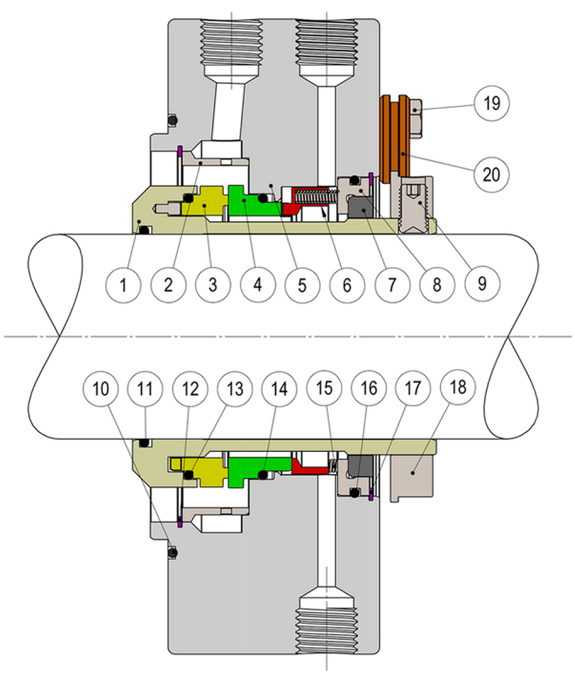
RECOMMENDED PIPING PLANS

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	Deflector	316SS
3	Rotary Face	Carbon/SIC/TC
4	Stationary Face	Carbon/SIC/TC
5	Gland	316SS/Hast.C/D2205/D2507/904L
6	Spring Plate	Hast.C
7	Bush Ring	Carbon
8	Bushing Seat	316SS
9	Drive Screw	304SS
10	O-Ring	Viton/PTFE/Aflas/Kalrez
11	O-Ring	Viton/PTFE/Aflas/Kalrez
12	Circlip	304SS
13	O-Ring	Viton/PTFE/Aflas/Kalrez
14	O-Ring	Viton/PTFE/Aflas/Kalrez
15	Spring	Hast.C
16	O-Ring	Viton/PTFE/Aflas/Kalrez
17	Circlip	304SS
18	Clamp Ring	316SS
19	Clip Screw	304SS
20	Setting Clip	304SS

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