APOG23-CR3FX

SINGLE CARTRIDGE SEAL
CATEGORY 1
TYPE C
1CW-FX



TECHNICAL FEATURES

- Primarily utilized to suit the requirements of the Oil and gas industry application defined by API682.
- The sealing configuration is 1CW-FX, Contacting single wet seal with a fixed throttle bushing.
- Efficient pump efficiency ring design for better circulation effect.
- The combination of rotating bellows and flexible graphite can effectively cope with various high-temperature or low-temperature working conditions.
- The sealing adopts distributed flushing, which can evenly cool the friction surface.
- Equipped with Quench and Drain environmental ports.

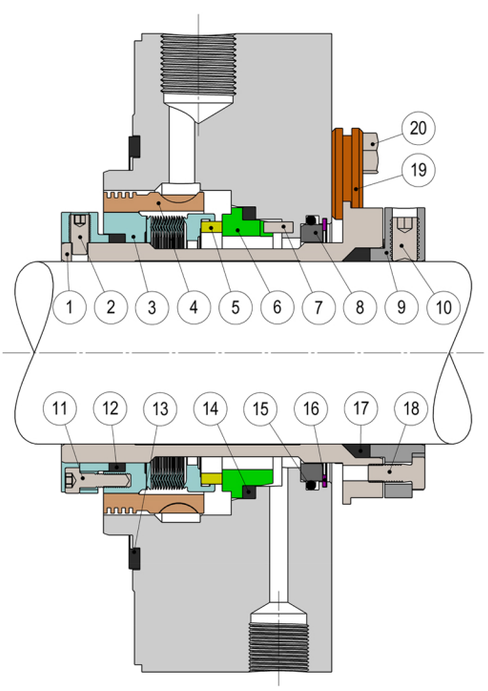
RECOMMENDED PIPING PLANS

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

PERFORMANCE CAPABILITIES

Shaft diameter	20 ~110 mm (0.79" ~ 4.33")
Pressure	⩽ 16 bar
Temperature	-40 ° C ~+ 400 °C
Sliding velocity	⩽ 20 m/s

PRODUCT STRUCTURE DIAGRAM



PRODUCT DESCRIPTION

- API 682 Category 2 and 3, Type C, Arrangement 1 seal
- Single seal configuration
- Balanced design
- Independent of direction of rotation
- Cartridge Construction
- For plain shafts
- Rotary metal bellows design
- Shrink fitted seal ring and solid stationary ring

TYPICAL INDUSTRIAL APPLICATIONS

- API 610 pumps
- Refining technology
- Oil and gas industry
- Petrochemical industry
- Chemical industry
- Power plant technology
- LPG plants
- Process pumps

THE COMPARISON CHART OF STANDARD MATERIAL

NO.	Name	Material
1	Sleeve	316SS/Hast.C/D2205/D2507/904L
2	Drive Screw	A2-70
3	Metallic Bellows	AM350/Hast.276.Hast.718
4	Rotary Face	Carbon/SIC/TC
5	Stationary Face	Carbon/SIC/TC
6	Deflector	316SS/Hast.C/D2205/D2507/904L
7	Pin	316SS
8	Gland	316SS
9	Bush Ring	Carbon
10	Drive Screw	A2-70
11	O-Ring	FKM/EPDM/Aflas/Kalrez
12	O-Ring	FKM/EPDM/Aflas/Kalrez
13	O-Ring	FKM/EPDM/Aflas/Kalrez
14	Circlip	316SS
15	O-Ring	FKM/EPDM/Aflas/Kalrez
16	O-Ring	FKM/EPDM/Aflas/Kalrez
17	Circlip	316SS
18	Clamp Ring	316SS
19	Setting Clips	304SS
20	Setting Screw	A2-70

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FBU is certified to API Q1, ISO 9001, ISO 14001