APOG-BR3FL

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



TECHNICAL FEATURES

- Primarily utilized to suit the requirements of the Oil and gas industry application defined by API682.
- The sealing configuration is 1CW-FL, Contacting single wet seal with a floating throttle bushing.
- Rotary metal bellows design.
- The sealing adopts distributed flushing, which can evenly cool the friction surface.
- Equipped with Quench and Drain environmental ports.

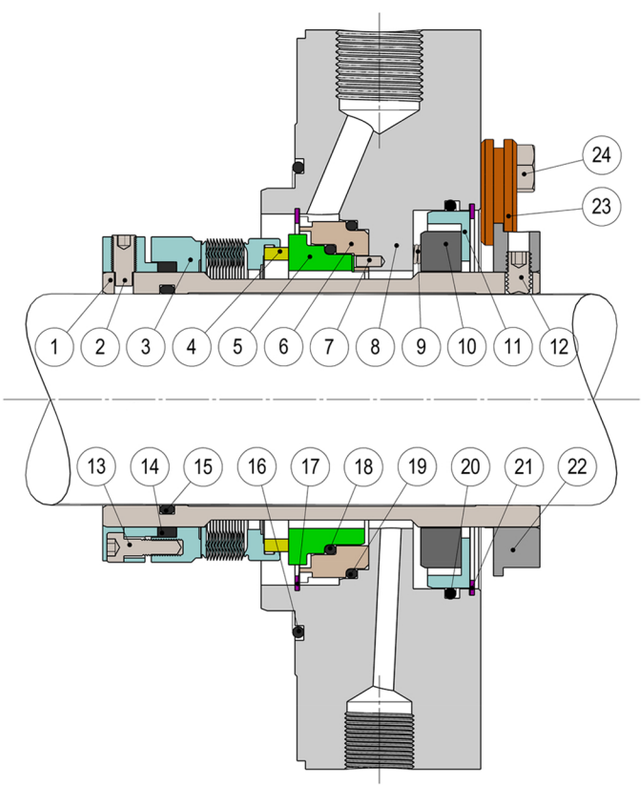
RECOMMENDED PIPING PLANS

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	20 ~110 mm (0.79" ~ 4.33")
Pressure	⩽ 16 bar
Temperature	-40 ° C ~+ 260 °C
Sliding velocity	⩽ 20 m/s

PRODUCT STRUCTURE DIAGRAM



PRODUCT DESCRIPTION

- API 682 Category 2/3, Type B, Arrangement 1
- Single seal configuration
- Balanced design
- Independent of direction of rotation
- Cartridge unit
- Stationary metal bellows

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/Hast.C/D2205/D2507/904L
9	Spring	Hast.C
10	Bush Ring	Carbon
11	Bush Ring Seat	316SS
12	Drive Screw	A2-70
13	Clip Screws	A2-70
14	Graphite Gasket	Graphite
15,16,18	O-Ring	FKM/EPDM/Aflas/Kalrez
17	Circlip	316SS
19,20	O-Ring	FKM/EPDM/Aflas/Kalrez
21	Circlip	316SS
22	Clamp Ring	316SS
23	Setting Clips	304SS
24	Setting Screw	A2-70

FBU SEALING TECHNOLOGY（SUZHOU）CO.,LTD

No.183, Yinhe Road, High Tech Industrial Development Zone Changshu Suzhou, Jiangsu, 215533

+86-512-57011188

sale@fbuseals.com

www.fbuseals.com

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