

SINGLE CARTRIDGE SEAL **CATEGORY 2/3 TYPE C** 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.
- 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.
- Narrow seal face width leads to low heat genera on and power consump on.
- Extended seal life.

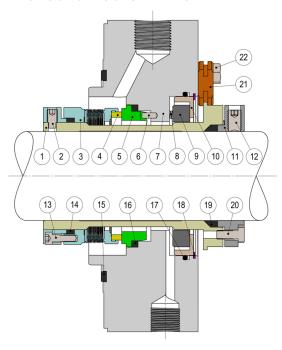
#### RECOMMENDED PIPING PLANS

Process side	01, 02, 03, 11, 12, 13, 14, 21, 22, 23, 31, 32, 41
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	≤ 25 m/s

## PRODUCT STRUCTURE DIAGRAM



#### PRODUCT DESCRIPTION

- API 682 Category 2/3, Type C, Arrangement 1
- Single seal configuration
- Balanced design
- Independent of direction of rotation
- Cartridge Construction
- Rotary metal bellows design

## TYPICAL INDUSTRIAL APPLICATIONS

- API 610/ISO 13709 pumps
- Refining technology
- Oil and gas industry
- Petrochemical industry
- Chemical industry
- Power plant technology
- LPG plants
- Process pumps

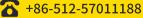
# THE COMPARISON CHART OF STANDARD MATERIAL

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

FBU SEALING TECHNOLOGY (SUZHOU) CO.,LTD











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





