GDMH

STANDARD STATIONARY DOUBLE SEAL SOLUTION FOR CHEMICAL PUMP



TECHNICAL FEATURES

- Stationary Pusher Cartridge Seal with Face-to-back configuration.
- Double balanced integral ring design can better resist pressure fluctuations in the sealing chamber.
- Integrated bidirectional flow design, unique pump efficiency ring design, and significant barrier liquid circulation effect.
- Higher pressure limit ,Higher temperature limit, maximum tempera ture resistance of 160 °C, no issues such as ring shedding and end face displacement caused by inlay process.

PERFORMANCE CAPABILITIES

Shaft diameter	30, 40, 50, 60, 80, 90
Pressure	⩽ 25 bar
Temperature	-20 ° C ~ +160 °C
Sliding velocity	⩽ 20 m/s

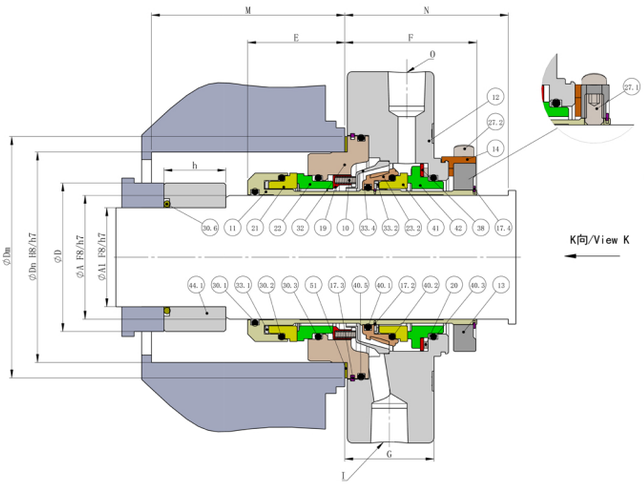
APPLICABLE CHAMBERS TYPE

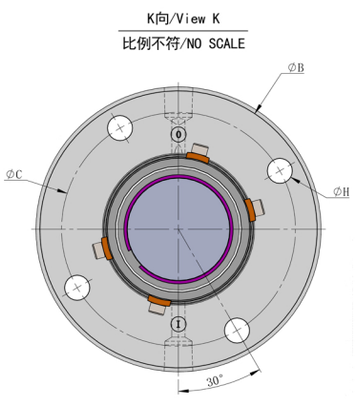
- Suitable for Sulzer® APP pump
- Modular cartridge design, provide sealing solutions for general applications
- Impeller spacer ring is provided
- Sizes available: 30, 40, 50, 60, 80, 90

TYPICAL INDUSTRIAL APPLICATIONS

- Chemical and Petrochemical Industry
- Oil, Gas and Energy Sector
- Water Treatment and Environmental Protection Engineering
- Pharmaceutical and Food & Beverage Industries
- Hazardous Chemicals and Specialized Industries
- Marine and Offshore Engineering

PRODUCT STRUCTURE DIAGRAM





RECOMMENDED PIPING PLANS

Between seals	52, 53A, 53B, 53C, 54

Please refer to the GDMH dimensional sample for detailed dimensional information.

https://www.fbuseals.com/GDMH-Double-Cartridge-Mechanical-Seal-for-Sulzer-APP-Pumps-pd554100748.html

THE COMPARISON CHART OF STANDARD MATERIAL

NO.	Name	Material
11	Sleeve	316SS
10,20	Springs	Hast.C276
33.1	Drive Ring	316SS
21	Rotary Face	SSIC/TC
22	Stat.Face	Carbon/SSIC/TC
32	Gland Insert	316SS
19	Thrust Ring	316SS
33.4	Deflector	316SS
23.2	Rotary Holder	316SS
12	Gland	316SS
41	Stat.Face	SSIC/TC
42	Rotary Face	Carbon/SSIC/TC
13	Clamp Ring	316SS

NO.	Name	Material
27.1	Drive Screws	304SS
30.1,30.2	O-Ring	EPR/Viton/Aflas/Kalrez
40.3,40.5	O-Ring	EPR/Viton/Aflas/Kalrez
17.2	Circlip	304SS
33.2,38	Drive Ring	316SS
17.3,17.4	Circlip	304SS
51	Gasket	AF1
27.2	Clip Screws	304SS
14	Setting Clips	Cu/Brass
44.1	Limit Sleeve	316SS
30.6	O-Ring	PTFE
40.1,40.2	O-Ring	EPR/Viton/Aflas/Kalrez
30.3	O-Ring	EPR/Viton/Aflas/Kalrez

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