

GDM

高效双端面静环补偿性密封系列

化工泵专用的密封解决方案

The Standard Stationary Double Seal Solution for Chemical Pumps

产品特点Key Features

- 静环补偿密封端面技术
 - 双平衡式整装环设计
 - 整合的双向导流设计，独特的泵效环设计，隔离液循环效果显著
 - 更高的温度极限，最高耐温220摄氏度，无镶装工艺的环面脱落和端面位移
 - 更高的压力极限：最高压力可达 25 bar
 - 接液部件可以采用特殊材质如双相钢 /904L/哈氏合金/钛材/锆材
 - 可用于API 52/53A/53B/54号冲洗方案
- Stationary face compensation technology.
 - Double balanced solid face design.
 - Intergrated and Bi-directional diversion, unique pump ring design, excellet barrier fluid circulation.
 - High Speed limits, up to 220 degree. No seal face drop or displacement.
 - Higher pressure limits, up to 25 bar.
 - Wet Part in Duplex steel, 904L, Alloy 276, Ti2, Zr-702 available.
 - Suitable for API Plan 52/53A/53B/54.

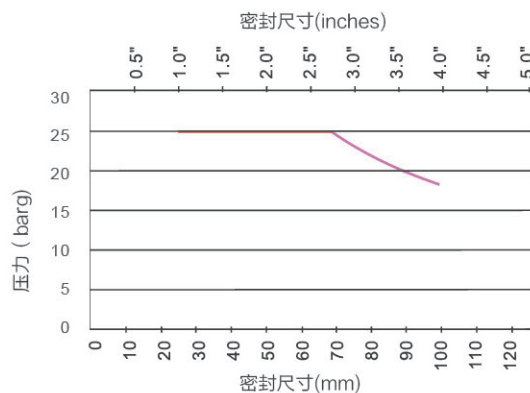
运行参数Operating Conditions

温度/Temperature	-20° C to +220° C [-68° F to +428° F]
压力/Pressure	0~25 Bar
线速度/On-wire speed	Up to 25 m/s
适用介质/Sealing product	各种酸性，碱性，低度浆液，水油等介质 Acid,alkaline, low percentage of pulp, water, oil and other similar media.

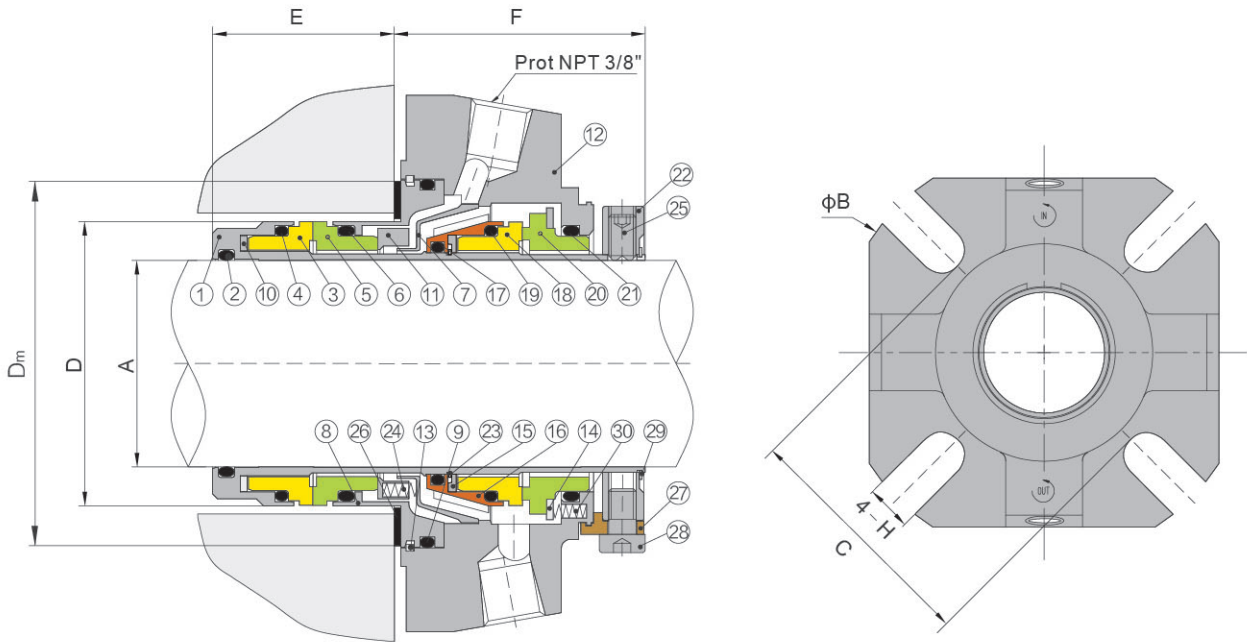
材质Material Arrangement

密封环/Seal faces	SSIC/CARBON/TC
橡胶/Rubber	EPR/Viton®/Aflas®/Kalrez®
弹簧/Springs	ALLOY 276
金属部件/Metal	316SS/DUPLEX/ALLOY 276/904L/TI2, ZR-702

压力图Pressure Chart



卧式安装
Horizontal



GDM-各部件信息

NO	描述/Description	材质/Material	NO	描述/Description	材质/Material
1	轴套/Shaft Sleeve	316SS不锈钢/Stainless Steel	16	泵效环/Pump Ring	316SS不锈钢/Stainless Steel
2	O型圈/O-Ring	EPR/Viton®/Aflas®/Kalrez®	17	O型圈/O-Ring	EPR/Viton®/Aflas®/Kalrez®
3	一级动环/Inboard Rotary Face	SSIC/TC	18	二级动环/Outboard Rotary Face	SSIC/TC
4	O型圈/O-Ring	EPR/Viton®/Aflas®/Kalrez®	19	O型圈/O-Ring	EPR/Viton®/Aflas®/Kalrez®
5	一级静环/Inboard Stationary Face	Carbon/SSIC/TC	20	二级静环/Outboard Stationary Face	Carbon/SSIC/TC
6	O型圈/O-Ring	EPR/Viton®/Aflas®/Kalrez®	21	O型圈/O-Ring	EPR/Viton®/Aflas®/Kalrez®
7	导流环/Deflector	316SS不锈钢/Stainless Steel	22	定位环/Clamp Ring	316SS 不锈钢/Stainless Steel
8	副压盖/Gland Insert	316SS不锈钢/Stainless Steel	23	卡簧/Circlip	316SS 不锈钢/Stainless Steel
9	O型圈/O-Ring	EPR/Viton®/Aflas®/Kalrez®	24	弹簧/Spring	Alloy 276
10	传动环/Drive Ring	316SS不锈钢/Stainless Steel	25	驱动螺钉/Drive Screw	316SS 不锈钢/Stainless Steel
11	弹簧座/Spring Plate	316SS不锈钢/Stainless Steel	26	垫片/Gasket	非石棉/AF1
12	压盖/Gland	316SS不锈钢/Stainless Steel	27	定位块/Setting Clip	铜/Brass
13	卡簧/Snap Ring	316SS不锈钢/Stainless Steel	28	定位块螺钉/Clip Screw	316SS 不锈钢/Stainless Steel
14	弹簧座/Spring Plate	316SS不锈钢/Stainless Steel	29	卡簧/Circlip	316SS不锈钢/Stainless Steel
15	销钉/Pin	316SS不锈钢/Stainless Steel	30	弹簧/Spring	Alloy 276

GDM-尺寸信息(mm)

ØA	ØB	C	ØD	ØDm	E	F	H
25	105	66.5	42.0	55.0	38.9	54.2	14
28	105	66.5	45.5	60.0	38.9	54.2	14
30	105	66.5	47.0	60.0	38.9	54.2	14
32	105	66.5	50.0	63.0	38.9	54.2	14
33	105	66.5	50.0	63.0	38.9	54.2	14
35	120	68.5	52.0	65.0	38.9	54.2	14
38	135	80	55.0	75.5	40.1	54.2	15
40	135	80	57.0	75.5	40.1	54.2	15
43	135	80	60.0	75.5	40.1	54.2	15
45	139	84.5	62.0	80.0	40.1	54.2	14
48	139	84.5	65.0	80.0	40.1	54.2	14
50	150	87.5	68.0	83.0	40.1	54.2	17.5
53	150	97	72.0	93.0	40.1	54.2	17.5
55	150	97	72.0	93.0	40.1	54.2	17.5
60	165	102	77.9	98.5	40.1	54.2	17.5
63	171	108	81.0	104.5	40.1	54.2	17.5
65	171	108	84.2	104.5	40.1	54.2	17.5
70	180	112	87.5	107.0	40.1	54.2	17.5

GDM-尺寸信息 (Inches)

ØA	ØB	C	ØD	ØDm	E	F	H
1.000	4.134	2.618	1.654	2.165	2.106	0.393	0.551
1.125	4.134	2.618	1.791	2.362	2.106	0.393	0.551
1.250	4.134	2.618	1.968	2.480	2.106	0.393	0.551
1.375	4.725	2.697	2.047	2.559	2.106	0.393	0.551
1.500	5.315	3.150	2.165	2.972	2.106	0.393	0.591
1.625	5.315	3.150	2.362	2.972	2.106	0.393	0.591
1.750	5.475	3.326	2.441	3.150	2.106	0.393	0.551
1.875	5.475	3.326	2.559	3.150	2.106	0.393	0.551
2.000	5.906	3.450	2.677	3.268	2.106	0.393	0.689
2.125	5.906	3.819	2.835	3.661	2.106	0.393	0.689
2.250	6.500	3.327	2.937	3.878	2.106	0.393	0.689
2.375	6.500	4.015	3.067	3.878	2.106	0.393	0.689
2.500	6.725	4.251	3.189	4.114	2.106	0.393	0.689
2.625	6.725	4.251	3.315	4.114	2.106	0.393	0.689
2.750	7.100	4.409	3.445	4.213	2.106	0.393	0.689

© 如设备轴径大于100mm (4英寸) 的特定需求, 请与FBU的技术部门联系确认相关尺寸和设计可能性
If seal sizes bigger than 100mm (4") is required for specified equipment, please contact FBU technical department for dimensional information and availability.