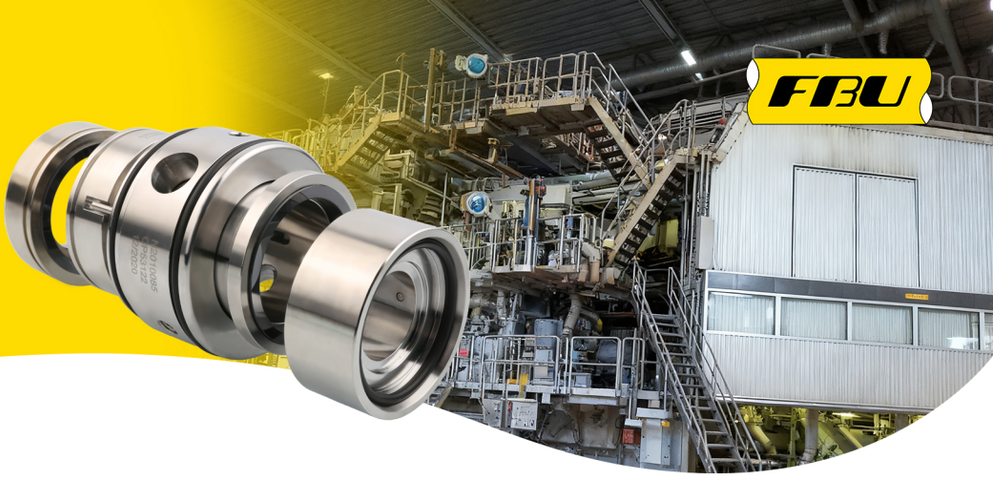
2240

DOUBLE MECHANICAL SEALS FOR SULZER PROCESS PUMPS SPECIAL SOLUTION FOR AHLSTARUP PUMPS



TECHNICAL FEATURES

- Stationary compensating seal end face with double-balanced design, ensuring stable operation even under pressure fluctuations.
- Wave spring compensation structure, delivering stable spring compensation performance.
- Double mechanical seal with single-set spring configuration and piston-type sliding O-ring design, featuring large axial runout that does not affect spring load.
- Modular design with standardized universal components, facilitating reduced maintenance costs.
- The spring is not in contact with the medium, ensuring a long service life of the mechanical seal.
- Positioned by the shaft shoulder for easy installation, which reduces the risk of human error. No measurement is required during installation.
- Inlaid ring surface structure: the seal ring has no drive pin, avoiding seal face rupture during startup.

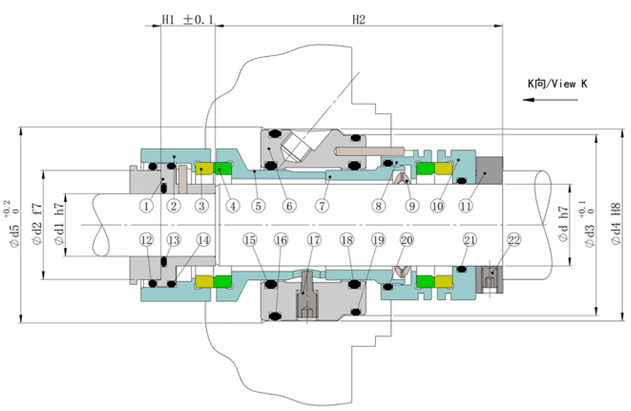
APPLICABLE CHAMBERS TYPE

Dimensions Compliant with Sulzer AUP Pumps, Covering Shaft Diameters Including 30, 40, 50, 60, 80, 90.

TYPICAL INDUSTRIAL APPLICATIONS

The 2240 Series features a double-balanced design, ensuring reliable and long-lasting operation of pumps under harsh conditions. Specifically engineered for demanding applications in the pulp and paper industry as well as stock applications, this seal is typically used in pumps handling abrasive and environmentally hazardous liquids in digesters, evaporation, and causticizing facilities of pulp mills. Designed as a pressurized double mechanical seal, its double-balanced function allows it to be utilized as an unpressurized double-ended unit. The Type 2240 seal is exclusively tailored for Sulzer's AUP Series pumps.

PRODUCT STRUCTURE DIAGRAM



RECOMMENDED PIPING PLANS

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

PERFORMANCE CAPABILITIES

Seal Chamber Pressure	⩽ 25 bar
Buffer Chamber Seal Water Pressure	⩽ 15 bar
Temperature	-20 ° C ~+ 180 °C
Sliding velocity	⩽ 20 m/s
Material Options	316SS, Duplex Steel, etc.
Suitable Media	Water, various types of oils, solvents, pulp, and other media

THE COMPARISON CHART OF STANDARD MATERIAL

NO.	Name	Material
1	Intermediate Sleeve	316SS
2	Rotary Seat	316SS
3	Rotary Face	SSIC
4	Stationary Face	SSIC
5	Stationary Seat	316SS
6	Gland	316SS
7	Spring Plate	316SS
8	External Stationary Seat	316SS
9	Sping	316SS
10	External Rotary Seat	316SS
11	Clamp Ring	316SS
12	O-Ring	FKM/EPDM/Aflas
13	O-Ring	PTFE
14	O-Ring	FKM/EPDM/Aflas
15	O-Ring	FKM/EPDM/Aflas
16	O-Ring	FKM/EPDM/Aflas
17	Clip Screw	316SS
18	O-Ring	FKM/EPDM/Aflas
19	O-Ring	FKM/EPDM/Aflas
20	O-Ring	FKM/EPDM/Aflas
21	O-Ring	FKM/EPDM/Aflas
22	Drive Screw	316SS

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