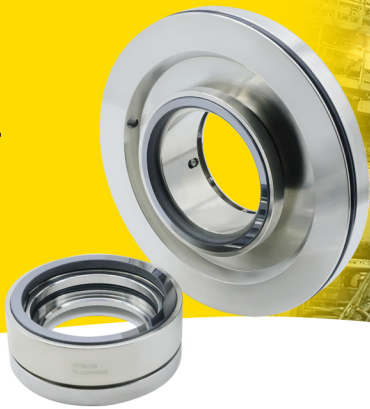


2233

SINGLE MECHANICAL SEALS FOR ANDRITZ ACP PUMPS



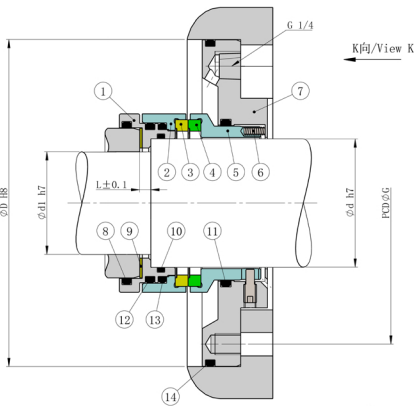
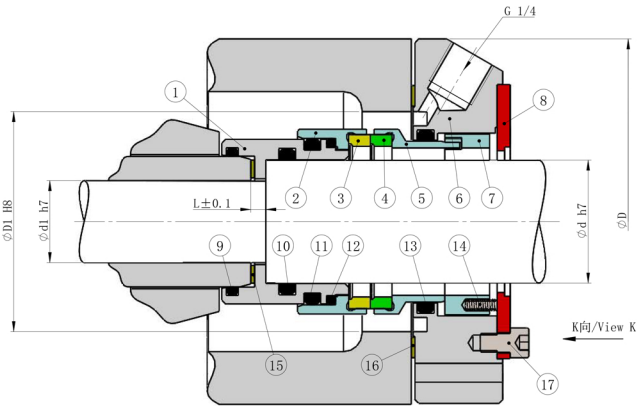
TECHNICAL FEATURES

- Stationary compensating seal end face with balanced design, ensuring stable operation even under pressure fluctuations.
- Multi-spring compensation structure: the spring is not used for stationary ring positioning, delivering stable spring compensation performance.
- 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.
- Seal installation does not require removing the backplate; the seal is fixed with a single bolt to ensure fast and trouble-free installation.

RECOMMENDED PIPING PLANS

Process side	01, 02, 03, 11, 12, 13, 21, 22
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PRODUCT STRUCTURE DIAGRAM



THE COMPARISON CHART OF STANDARD MATERIAL

NO.	Name	Material
1	Limit Sleeve	316SS
2	Rotating Seat	316SS
3	Rotary Face	SSIC/RBSIC
4	Stationary Face	SSIC/RBSIC
5	Stationary Seat	316SS
6	Gland	316SS
7	Spring Plate	316SS
8	Spring Plate	316SS
9,10,11	O-Ring	EPR/Viton/Aflas/Kalrez
12,13	O-Ring	EPR/Viton/Aflas/Kalrez
14	Spring	316SS
15	Gasket	PTFE
16	Gasket	AF1
17	Clip Screw	316SS

APPLICABLE CHAMBERS TYPE

Dimensions Compliant with Andritz ACP Pumps, Covering Shaft Diameters Including 33,43,53,60,70,85,115.

TYPICAL INDUSTRIAL APPLICATIONS

The 2233 Series is a mechanical seal specifically designed for clean and lubricating fluids, such as water, various types of oils, solvents, and raw materials [consistency < 2%]. It is typically used in pumps of paper mills, cardboard mills, and power plants. This seal is exclusively engineered for Andritz's ACP Series pumps.

PERFORMANCE CAPABILITIES

Pressure	≤ 15 bar
Temperature	$-20^{\circ}\text{C} \sim +120^{\circ}\text{C}$
Sliding velocity	≤ 20 m/s
Material Options	316SS, Duplex Steel, etc.
Suitable Media	Water, various types of oils, solvents, pulp, and other media