



BOILER FEED WATER PUMP SEAL

SSFWB



MATERIALS

Hardware : 316 SS, Alloy C-276 & Alloy 20

Rotating face : SiC

Stationary face : Antimony Carbon

Elastomers : FKM, FFKM

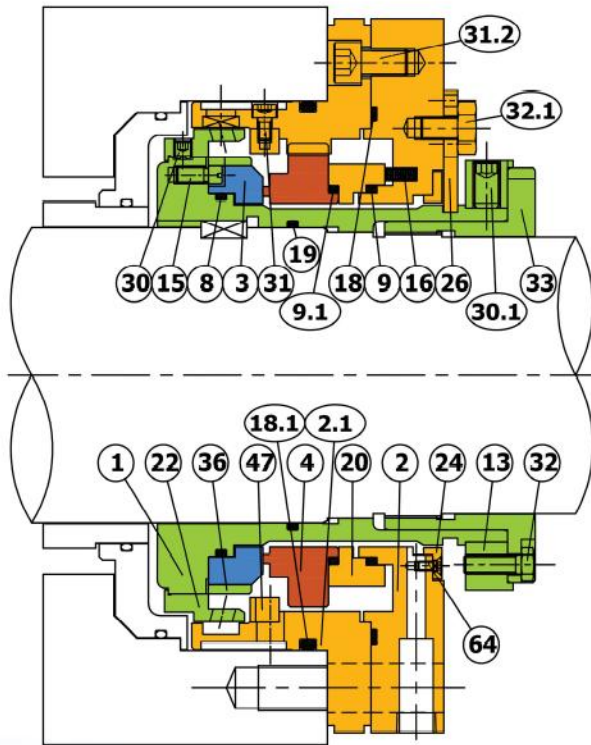
OPERATING CONDITIONS

Shaft : 120 - 200 mm

Pressure : 40 - 140 Bar Max.

Temperature * : -20 ~ 300 °C

Speed : Upto 6500 rpm



PN	PART
1	--- SLEEVE
2	--- OUTER GLAND RING
2.1	--- INNER GLAND RING
3	--- ROTATING FACE
4	--- STATIONARY FACE
8	--- ROTATING FACE O-RING
9	--- STATIONARY FACE O-RING
9.1	--- STATIONARY FACE O-RING
13	--- DRIVE COLLAR
15	--- LOCK PIN
16	--- SPRING
18	--- GLAND O-RING
18.1	--- GLAND O-RING
19	--- SLEEVE O-RING
20	--- COMPRESSION RING
22	--- PUMPING RING
24	--- THROTTLE BUSH
26	--- SETTING PLATE
30	--- SET SCREW
30.1	--- SET SCREW
31	--- CAP SCREW
31.1	--- CAP SCREW
31.2	--- CAP SCREW
32	--- HEX. BOLT
32.1	--- HEX. BOLT
33	--- SEAL DRIVE
36	--- ROTATING FACE BODY
47	--- CLAMPING PLATE
64	--- COUNTER SUNK SCREW

One such application involved the sealing of large boiler feed and steam generator pumps in power plants. Consequently, the mechanical seal faces are highly loaded in a fluid with far less than ideal lubricating qualities. It is evident, therefore, that these applications are technologically challenging for mechanical seal manufacturers not only from a tribological perspective, but also from a corrosion viewpoint when the feed water has a low electrical conductivity or is free of impurities.

For the sealing of feed pumps in power plants, mechanical seals have proven to be a reliable and cost effective sealing method compared to alternatives such as packing and throttle bushing seals with an injection of cold condensate. Mechanical seals achieve lifetimes of 40,000 hours or more in older power plants that historically use the All Volatile Water Treatment.

* Depending on material selected

All specifications, instrumentation and capabilities subject to change without notice

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POWER PLANT SEALS