



Sealmatic Delivers Its Type SBF Single Mechanical Seals (DE & NDE) For Boiler Feed Water Pump In A Critical Thermal Power Plant

Critical Thermal power plants operate under extreme conditions, with boiler feed water pumps handling high temperatures and pressures. Mechanical seals are one of the most vital components in these pumps, preventing leakage while ensuring efficient performance. With advancements in technology, increasing capacities of power generation equipment, and higher demands for operational efficiency, mechanical seals have undergone significant improvements.

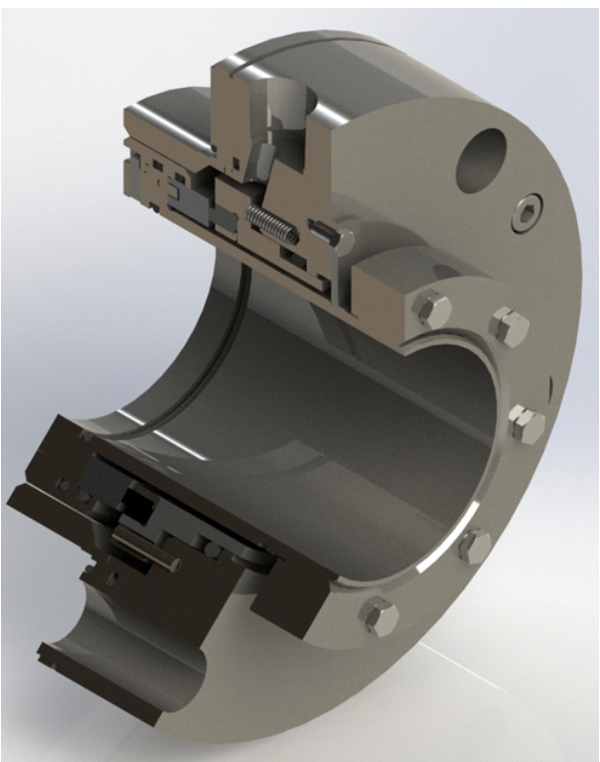
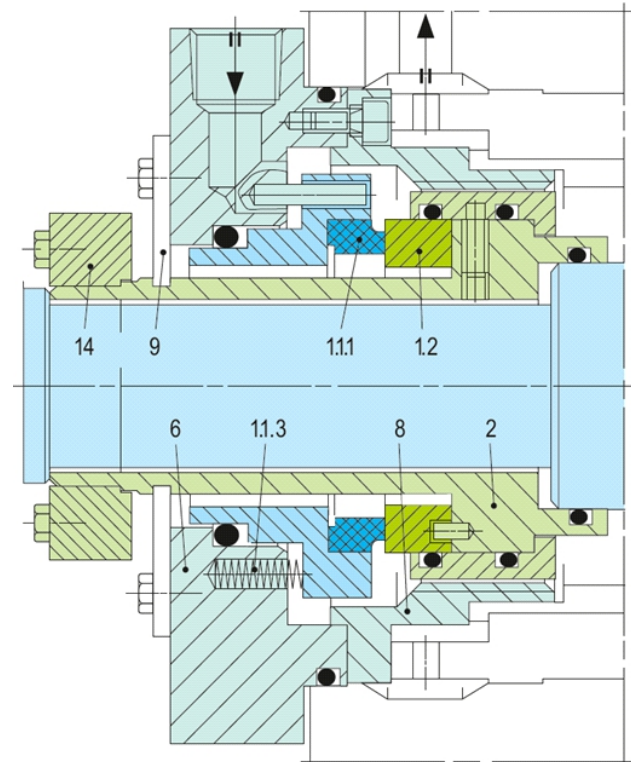
Sealing systems featuring maximum operational reliability, convenient maintenance and low leakage rates with necessary environmental protective measures are standard requirements in modern power stations. The product range includes mechanical seals and supply systems for auxiliary and secondary pumps, boiler circulation pumps and feedwater pumps as well as mechanical seals and carbon floating ring seals for turbines, compressors and fans.

Operating Parameters Of Type SBF Single Mechanical Seals							 sealmatic®
Sr. No.	Seal Type	RPM	Temperature (°C)	Media	Stuffing Box Pressure (kg/cm ²)	Suction Pressure (kg/cm ²)	API Plan
1	91-SBF200/112-G911 (DE)	5300	180 °C	BOILER FEED WATER	27 kg/cm ²	18 kg/cm ²	02, 23
2	91-SBF200/112-G912 (NDE)	5300	180 °C	BOILER FEED WATER	27 kg/cm ²	18 kg/cm ²	02, 23
3	91-SBF300/162-G917 (DE)	6300	200 °C	BOILER FEED WATER	35 kg/cm ²	-	23
4	91-SBF200/135-G912 (NDE)	6300	200 °C	BOILER FEED WATER	35 kg/cm ²	-	23

Sealmatic is pleased to announce that it has successfully delivered its type SBF Single Mechanical Seals for a Boiler Feed Water Pump in a critical thermal power plant, in order to meet the demanding operating conditions and stringent requirements as mentioned above, thus bringing consistent and cost – effective sealing method with a view to achieve highest safety standards.

Sealmatic Type SBF Mechanical Seal For Boiler Feed Water Pump

Type SBF is a balanced mechanical seal and independent of direction of rotation, it provides robust construction with the shrink-fitted seal face, and is employed with the pumping screw in order to create more efficiency and reliability.



Technical Features:

- Accommodates shaft deflections due to stationary design.
- Can be designed for individual pump application with corresponding connection parts to be adapted to the pump seal chamber.
- Optimum heat dissipation due to integrated pumping device available for increased efficiency in circulation and optimized seat design.
- Cartridge unit factory assembled for easy installation, which reduces downtime.
- Trouble-free long-term operation due to heavy duty single seat design with bandage.
- Can operate under high sliding velocities and medium pressures.

Performance Capabilities:

- Sizes: d1 = Upto 250 mm (Upto 10.000")
- Pressure: p1 = 50 bar (725 PSI)
- Temperature: t = 300 °C (572 °F)
- Speed = 60 m/s (197 ft/s)
- Permissible axial movement: ±3 mm

13th January 2025