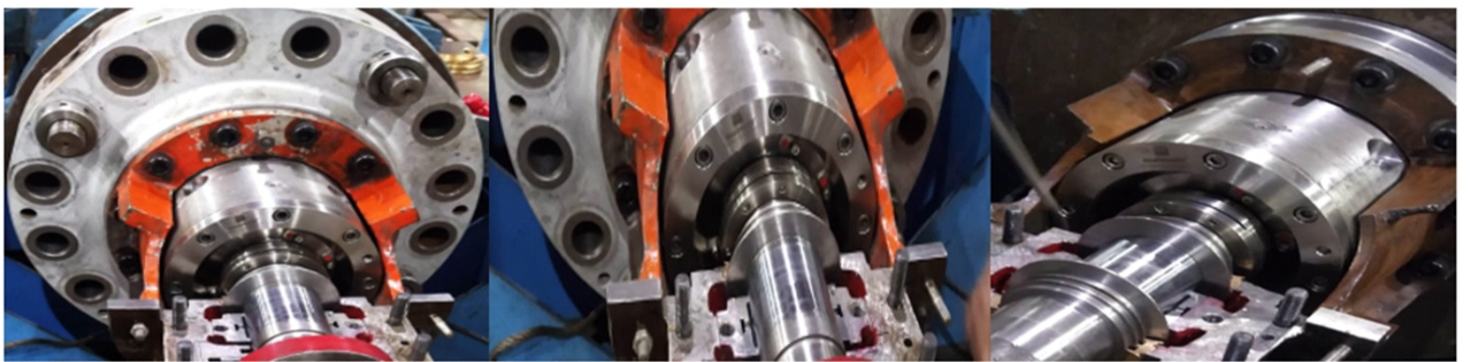




Sealmatic Successfully Installs Type SBF Single Mechanical Seal For Boiler Feed Water (BFW) Pump

A boiler feedwater pump is a critically sensitive pump basically employed to pump feedwater into a steam boiler. The water may be freshly supplied or returning condensate produced as a result of the condensation of the steam produced by the boiler. These pumps are normally high-pressure units that take suction from a condensate return system and are be of the centrifugal design. Boiler feed water pumps are also referred to as feed pumps.

To such critical application such as BFW pump, a robust and specialized Sealmatic mechanical seal is employed whereby; operating under high sliding velocities and offer trouble-free long-term operation due to heavy duty seat design.



Operating Parameter For Boiler Feed Water Pump								
Sr No	Seal Type	Speed (RPM)	API Plans	Media	Temperature (°C)	Stuffing Box Pressure (kg/cm ²)	Suction Pressure (kg/cm ²)	Discharge Pressure (kg/cm ²)
1	91-SBF200/112-G911	5300	02,23	Boiler Feed Water	180°C	27 kg/cm ²	18 kg/cm ²	Nor. – 350/ Max. – 400 kg/cm ²
2	91-SBF200/112-G912							

Sealmatic is pleased to announced that it has successfully installed drive and non-drive end type SBF mechanical seal in BFW pump, in order to meet the demanding operating conditions and stringent requirements as mentioned above, thus bringing reliable and cost-effective sealing method, operation and maintenance with a view to achieve highest safety standards.

Sealmatic Type SBF Mechanical Seal

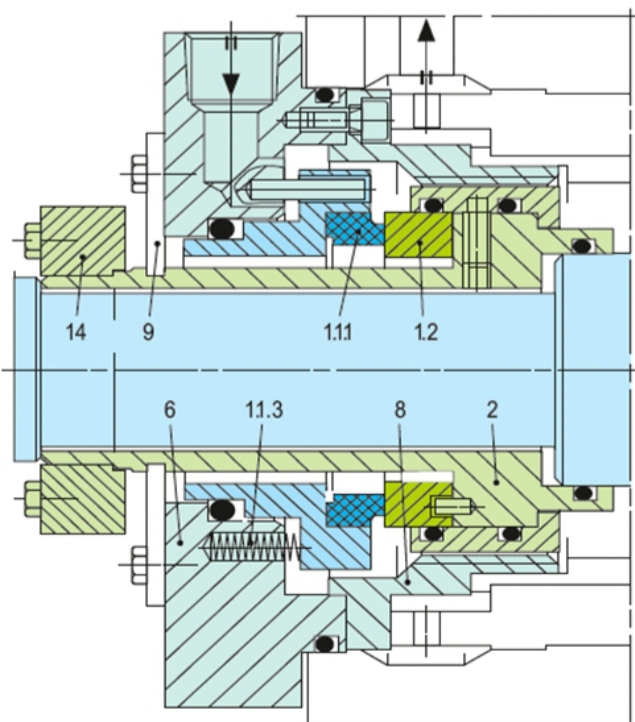
Type SBF is a balanced mechanical seal and independent of direction of rotation, it provides robust construction with the shrink-fitted seal face, and employed with the pumping screw.

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

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.



August 31st 2021

