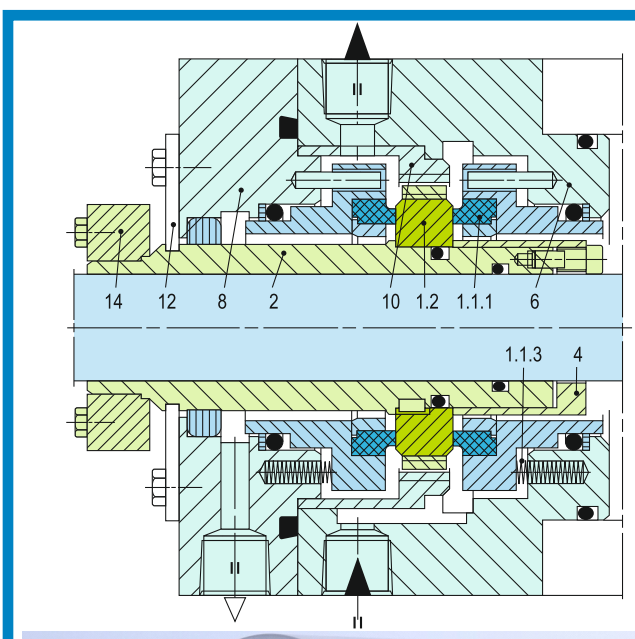
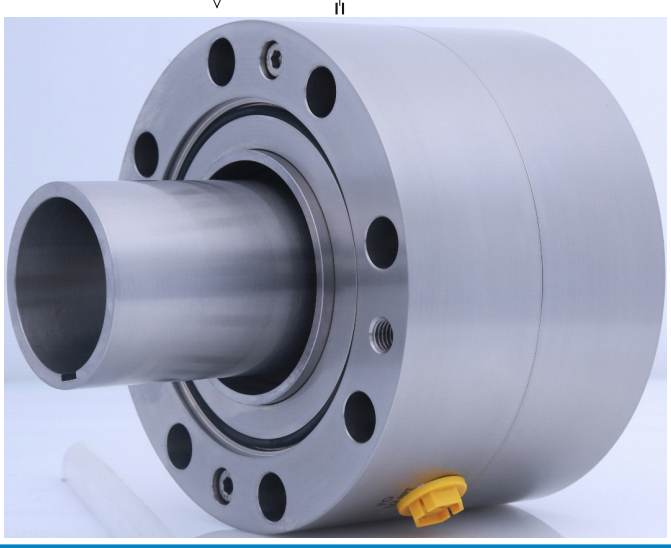
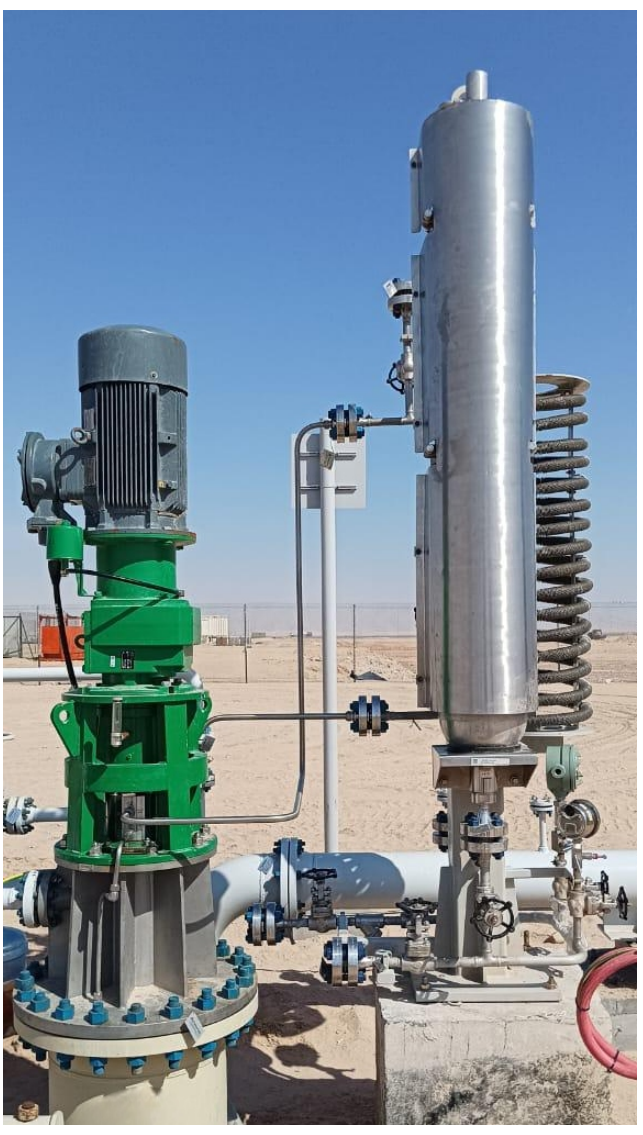
Sealmatic Successfully Delivers Type SBFV Dual Mechanical Seal For A Gas Plant







Gas processing plants operate under some of the most challenging conditions, requiring mechanical seals that can perform reliably under extreme pressures, varying temperatures and exposure to hazardous gases and liquids. The key challenges include such as gas liquid interface issues, high pressure handling, hazardous gas containment, thermal variability and so on and so forth.

With a comprehensive range of API-compliant quality mechanical seals and supply systems, Sealmatic continues to play a pivotal role in enhancing the reliability and safety of gas processing operations worldwide. Our ability to provide customized sealing solutions tailored to specific industrial challenges reaffirms our position as a trusted partner for the oil & gas sector.

Operating Parameter Of Type SBFV Dual Mechanical Seal For Gas Plant											sealmatic
Sr. No.	**Seal Type**	**RPM**	**Temperature (°C)**	**Media**	**Service**	**Stuffing Box Pressure (kg/cm2)**	**Suction Pressure (kg/cm2)**	**Discharge Pressure (kg/cm2)**	**Viscosity**	**Specific Gravity**	**API Plan**
01	91-SBFVI-D/60-G911 R1	316	70°C	HC + Water	WELLPAD-02 Flare KOD Pump	55 kg/cm^2	2 kg/cm^2	55 kg/cm^2	0.2–100 Cp	1.05	13/53B

Sealmatic is pleased to announce that it has successfully installed and commissioned its mechanical seal type SBFV Dual Mechanical Seals for a gas plant, specifically for the WELLPAD-02 Flare KOD Pump, 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.

WELLPAD-02 Flare KOD Pump is a critical component in oil and gas operations, specifically located at wellpad-02, designed to remove separated liquids from the flare knockout drum (KOD). This pump ensures the safe and efficient operation of the flare system by transferring collected liquids away from the KOD, preventing environmental contamination and maintaining proper flare function by allowing only gas to be burned, which is essential for safety and operational efficiency at the wellpad.

Sealmatic Mechanical Seal Type SBFV Dual Mechanical Seal For WELLPAD-02 Flare KOD Pump

Type SBFV is API complaint balanced double mechanical seal having the configuration of 3CW – FF. Type SBFV can operate under high sliding velocities and high pressures and designed with robust construction with shrink-fitted seal face. The said mechanical seal can be employed for versatile application for various kinds of heavy duty application.

Technical Features

- Accommodates shaft deflections due to stationary design
- Can be designed for individual pump application with corresponding connection parts to be adopted 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

Performance Capabilities

- Shaft diameter: d1 = 40 … 110 (250) mm (1.57"… 4.33 (9.84)"
- Pressure: p1 = 42 (150) bar (609 (2,175) PSI)
- Temperature: t = –40 °C … +176 (+200) °C (–40 °F … +350 (+394) °F)
- Sliding velocity: vg = 23 (60) m/s (76 (197) ft/s)
- Axial movement: ±3.0 mm

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