



sealmatic®

Sealmatic Successfully Delivers Type B750VK & SBV Double Mechanical Seal FOR A Pipeline PROJECT

Oil and gas resources need to be transported over long distances from their point of extraction. From offshore platforms and onshore extraction fields, to refineries and storage tanks, and later to the final consumer, pipelines are the most cost-efficient method to transfer large quantities of hydrocarbons. Pipeline applications are extremely important applications, liquid is pumped from one station to other station which are at a considerably long distance. These are generally isolated areas, and are of great importance and any break down of equipment will have a lot of implications.

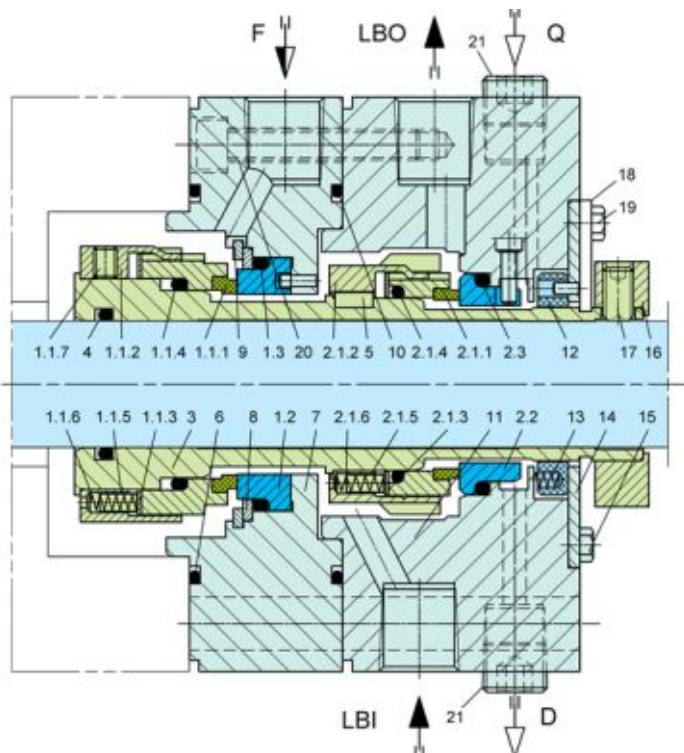
The mechanical seal arrangement in pipeline applications have to be sturdy to meet requirements of extremely high working pressure, to work in extreme severe conditions, handling different media with varying properties etc. Sealmatic has proven itself with its heavy-duty mechanical seals with innovative and tailor-made seal components with high-strength seal faces, guaranteeing longer service life even in highly stressed pumps.

Operating Parameters of Type B750VK & SBV Double Mechanical Seal									
Sr No	Seal Type	API Plan	Media	RPM	Temperature (°C)	Vapor Pressure (kg/cm ² A)	Suction Pressure (kg/cm ²)	Discharge Pressure (kg/cm ²)	Viscosity (cP)
1	91-B750VK/70-PTa*-G911	13,52	HSD	2960	45°C	0.6 kg/cm ² A	12 kg/cm ² A	95 kg/cm ² A	6 cP
2	91-B750VK/90-PTa*-G911 (DE)	11,52,61	HSD	2975	45°C	0.1 kg/cm ² A	5.44 kg/cm ² A	40.98 kg/cm ² A	6.0 cP
3	91-B750VK/90-PTa*-G912 (NDE)	11,52,61	HSD	2975	45°C	0.1 kg/cm ² A	5.44 kg/cm ² A	40.98 kg/cm ² A	6.0 cP
4	91-B750VK/90-Fta*-G911	13,52	HSD	2980	45°C	0.7 kg/cm ² A	1.03 kg/cm ² A	6.85 kg/cm ² A	6 cP
5	91-B750VK/120-PTa*-G911	11,52	HSD	3241	45°C	0.7 kg/cm ² A	10.3 kg/cm ² A	42.54 kg/cm ² A	7.1 cP
6	91-B750VK/115-PTa*-G911 (DE)	11,52,61	HSD	2981	45°C	0.1 kg/cm ² A	5.38 kg/cm ² A	67.25 kg/cm ² A	6.0 cP
7	91-B750VK/115-PTa*-G912 (NDE)	11,52,6	HSD	2981	45°C	0.1 kg/cm ² A	5.38 kg/cm ² A	67.25 kg/cm ² A	6.0 cP
8	91-SBV/115-Fta*-G911 (DE)	11,52,65	HSD	2900	25°C	0.61 kg/cm ² A	1.723 kg/cm ² A	100.02 kg/cm ² A	0.517 cP Norm / 7.1 cP Max
9	91-SBV/115-Fta*-G912 (NDE)	11,52,65	HSD	2900	25°C	0.61 kg/cm ² A	1.723 kg/cm ² A	100.02 kg/cm ² A	0.517 cP Norm / 7.1 cP Max

We are pleased to announce that Sealmatic has executed an order for a reputed Pipeline Project to meet extreme environment, challenging applications as mentioned above, thus bringing areas of design, operation and maintenance with a view to achieve highest safety standards and to meet severe demanding conditions in a cost-effective manner.

Sealmatic Type B750VK Double Mechanical Seal

Mechanical Seal type B750VK is a double balanced mechanical seal and independent of direction of rotation, having the configuration of 3CW-FB (Contacting Wet- Face-to-Back), Type B750VK can handle extensive applications in various temperature and pressure. The pumping device is available for increased efficiency in circulation, it can also accommodate reverse pressure.

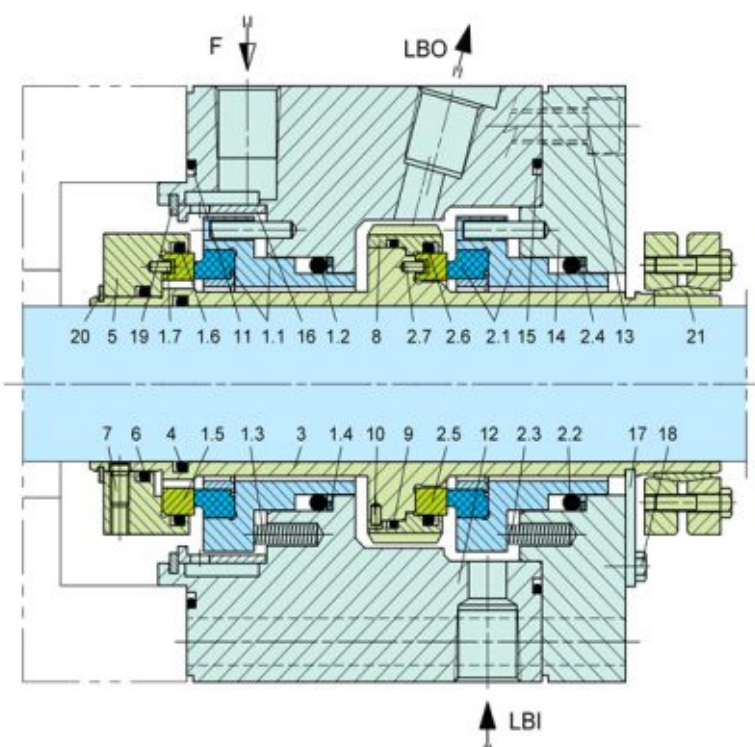


Performance Capabilities

- Shaft diameter: d = 20 ... 110 mm (0.79" ... 4.33")
- Pressure: p₁ = ... 42 bar (609 PSI)
- Temperature: t = -40 °C ... +176 °C (+220 °C) (-40 °F ... +349 °F (+428 °F) *
- Sliding velocity: v_g = 23 m/s (76 ft/s)
- Axial movement:
 - d ≤ 40 mm ± 1.0 mm
 - d > 40 mm ± 1.5 mm

Sealmatic Type SBV Double Mechanical Seal

Mechanical Seal Type SBV is a double balanced mechanical seal mainly employed for pipeline pump, it offers independent direction of rotation and design in cartridge construction. The stationary is intricately design with multiple springs and integrated pumping device for increased efficiency in circulation. Type SBV mechanical seal has the configuration 3CW-FB (Contacting Wet - Face-to-Back).



Performance Capabilities

- Shaft diameter: d₁ = 20 ... 110 mm (0.79" ... 4.33")
- Pressure: p = 60 bar (870 PSI)
- Temperature: -40 °C ... +176 °C (-40 °F ... +349 °F)*
- Sliding velocity: v_g = 50 m/s (164 ft/s)

API SPEC Q1. ISO 9001:2015. ISO 14001:2015. ISO 45001:2018. EU 1935:2004. ATEX - 2014/ 34/EU. REACH & RoHS. PED-CE. GMP



October 20th 2021

www.sealmaticindia.com

Mira Road (E), Thane - 401104, India.
T: +91 22 50502700 | +91 9820261376
E: info@sealmaticindia.com