



sealmatic®

Sealmatic Successfully Delivers Type BJ977GN For Molten Sulphur In A Chemical Plant

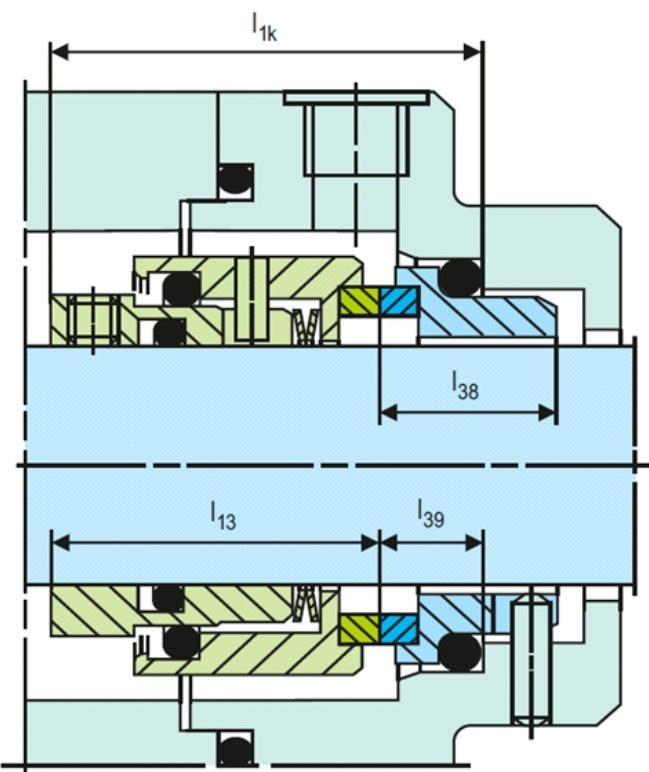
The sealing materials employed in the chemical industry need to be capable of coping with the large array of media, many of them explosive or toxic and others which could become when mixed. An increased awareness of environmental risks calls for a maximum reliability and operational safety, especially from sealing systems. Against this background, the sealing systems employed in applications involving what are in many cases explosive, toxic or aggressive media have to ensure optimum tightness.

We are pleased to inform that Sealmatic Type BJ977GN mechanical seal has been successfully installed in a chemical plant as per the mentioned operating parameters. The mechanical seal type BJ977GN has been designed in a cartridge construction in order to meet demanding conditions, whereby offering tailor made solutions, safety in operation and maintenance with a view to achieve highest efficiency.

Operating Parameters						sealmatic®	
Sr No.	Seal Type	Media	Temperature (°C)	Density (Kg/m³)	Pump Type	Differential Pressure (kg/cm²)	RPM
1	BJ977GN (In Cartridge Construction)	Molten Sulphur	125-145°C	1800 Kg/m³	Internal Gear Pump	6 kg/cm²	480

Sealmatic Type BJ977GN

Type BJ977GN is a single seal configuration and balanced design mechanical seal which is mainly for the plain shafts, the rotary unit is with encapsulated spring design. Type BJ977GN is capable of withstanding high pressure, the O-ring is dynamically loaded to prevent shaft damage. It can handle media with solid content as well as the viscous media in the equipment. In this mechanical seal type the springs are product protected to avoid contamination.



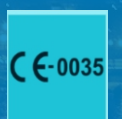
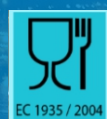
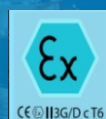
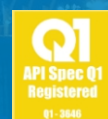
Performance Capabilities

- Sizes: d1 = Upto 100 mm (Upto 4.000")
- Pressure: p *) = 0.8 abs... 25 bar 1 (12 abs.... 363 PSI)
- Temperature: t = -20 °C ... +180 °C (-4 °F ... +356 °F)
- Speed = 10 m/s (33 ft/s)
- Permissible axial movement: ±0.5 mm

March 10th 2022

API SPEC Q1 . API . ISO 9001:2015 . EU 1935:2004 . ATEX - 2014/34/EU . ISO 9001:2015 . ISO 14001:2015 . BS-OHSAS 18001:2007 . PED-CE

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