Sealmatic Successfully Installs Type BRKS Double Mechanical Seal Size 140mm In A Chemical Plant For Sodium Metabisulphite

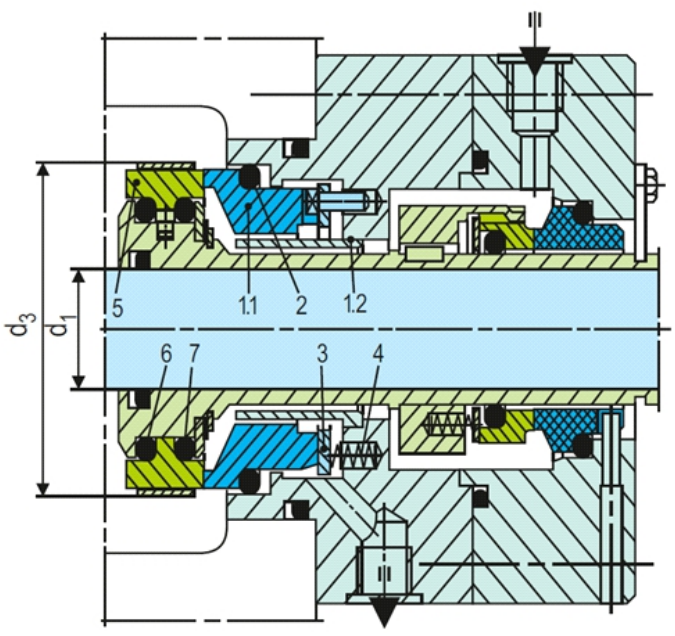
The materials employed in the chemical industry need to be capable of coping with the large array of media, many of them are explosive or toxic and others which could become when mixed. An increased awareness of environmental risks calls for a maximum reliability and operational safety, especially from 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. On the other hand, they should also help optimize processes and thus be of advantage where the economic aspects are concerned as well. From non-critical sealing points – for which standard solutions are deployed – right through to highly complex system solutions required where particularly difficult operating conditions are concerned.

We are pleased to announce that Sealmatic Type BRKS double mechanical seal has been successfully installed in a chemical plant for sodium metabisulphite, as per the below mentioned operating parameters. Thus, offering tailor made solutions, safety in operation and maintenance with a view to achieve highest efficiency.

Operating Parameters							
Sr No	Seal Type & Size	Pump Type	Speed (RPM)	API Plans	Media	Temperature (°C)	Stuffing Box Pressure (kg/cm²)
1	91-BRKS-SP-D/140-G911	Axial Flow Pump	465	53A	Sodium Metabisulphite	95°C	1.19 kg/cm²

Sealmatic Type BRKS Double Mechanical Seal For Axial Flow Pump

Type BRKS is a double mechanical seal configuration and balanced designed seal which is specifically constructed to protect the springs from contamination, the seat arrangement is designed behind the impeller. Type BRKS is intricately designed to handle media containing solids and can also operate under vacuum without locking the seat.



Performance Capabilities

- Sizes: dN = Upto 270 mm (Upto 10.625")
- Pressure: p1*) = 16 bar (230 PSI)
- Temperature: t = -20°C ...+160°C (-4°F ...+320°F)
- Speed = 10 m/s (33 ft/s)

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