

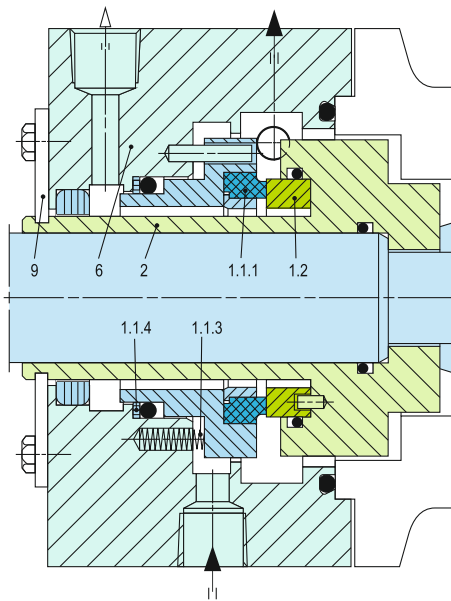
sealmatic®

Sealmatic Delivers BSH200/261-00 Mechanical Seal For Carbon Monoxide Application At Essar Steel

Carbon monoxide (CO) is a colorless, odorless, and tasteless flammable gas that is slightly less dense than air. It is toxic to animals that use hemoglobin as an oxygen carrier (both invertebrate and vertebrate) when encountered in concentrations above about 35 ppm.

Process gas blowers from Aerzen function reliably at Essar Steel Plant in India. The demanding background and technical design underlying process gas and coolant facilities demand a high level of sealing equipment. After all, mechanical seals are expected to function in the most demanding applications in a steel plant, often for highly critical applications. The Sealmatic BSH200 mechanical seals are installed in Essar Steel Plant for the compression of process, cooling, and seal gas. These blowers are often used as 2-stage assemblies and capable of handling extreme challenges.

- Volume flow: 15,000 to 100,000 m³/h
- Negative pressure: -500 mbar; positive pressure: 5,000 mbar (g)
- Differential pressure up to 1,500 mbar max
- Conveying direction: horizontal
- Media: air, as well as neutral, toxic, flammable, or corrosive gases or gas mixtures.



Performance Capabilities

Sizes: d_1^* = Upto 250 mm (Upto 10.000")

Pressure: p_1 = 150 bar (2,175 PSI)

Temperature: t = 300 °C (572 °F)

Speed = 60 m/s (197 ft/s)

Permissible axial movement: \pm 3 mm

* Other sizes on request

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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