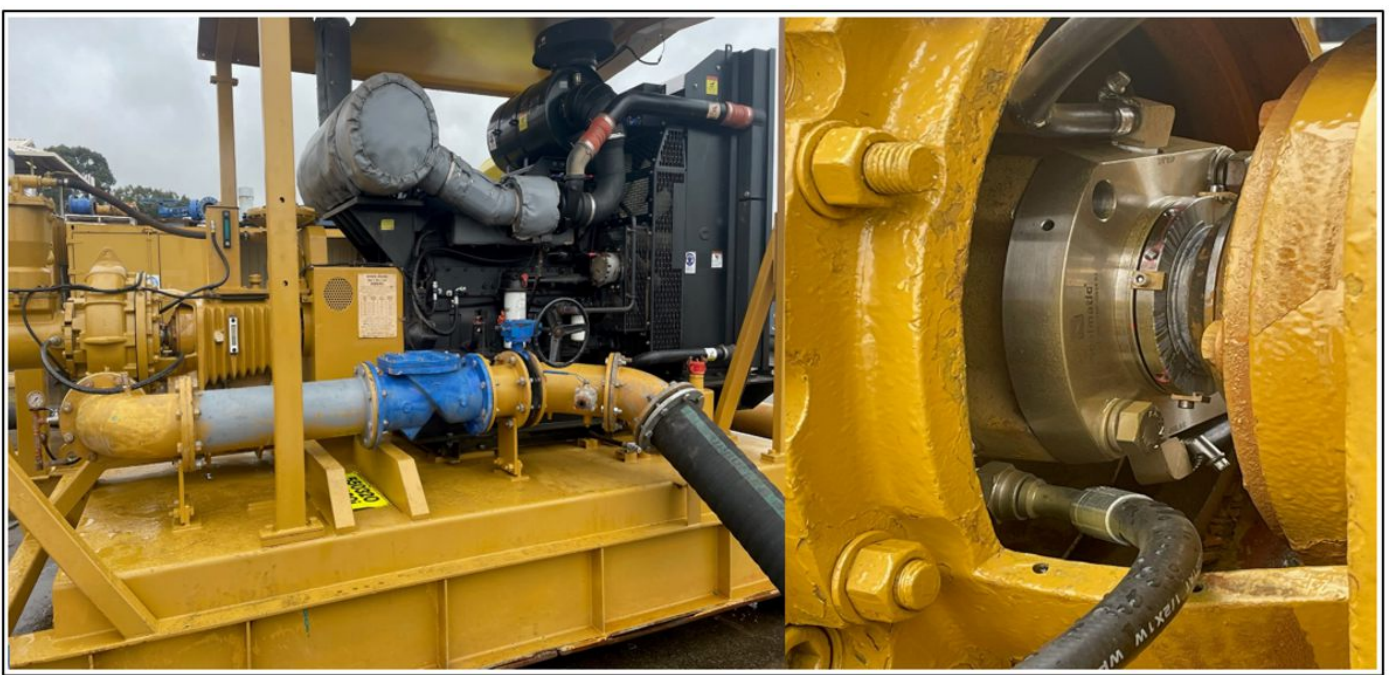




## Sealmatic CTX Double Seals For Mining Application

The application involved in mining industries are the extraction of precious minerals and other geological materials. The extracted materials are transformed into a mineralized form that serves an economic benefit to the prospector or miner. Typical activities in the mining industry include metals production, metals investing, and metals trading. In the mining application, the equipment undergoes high stress and thus require a further degree of reliability until they carry out their function in maximum safety and productivity.

The sealing systems for such application are specially designed for mining sector. Sealmatic mechanical seals are designed for higher capacities and performance, improvements to the structure design for increasing the stress resistance so that they can adapt more severe conditions. Hence increasing the productive life, growing the continuity of safety in the productive phase and guaranteeing the perfect functionality of the equipment.

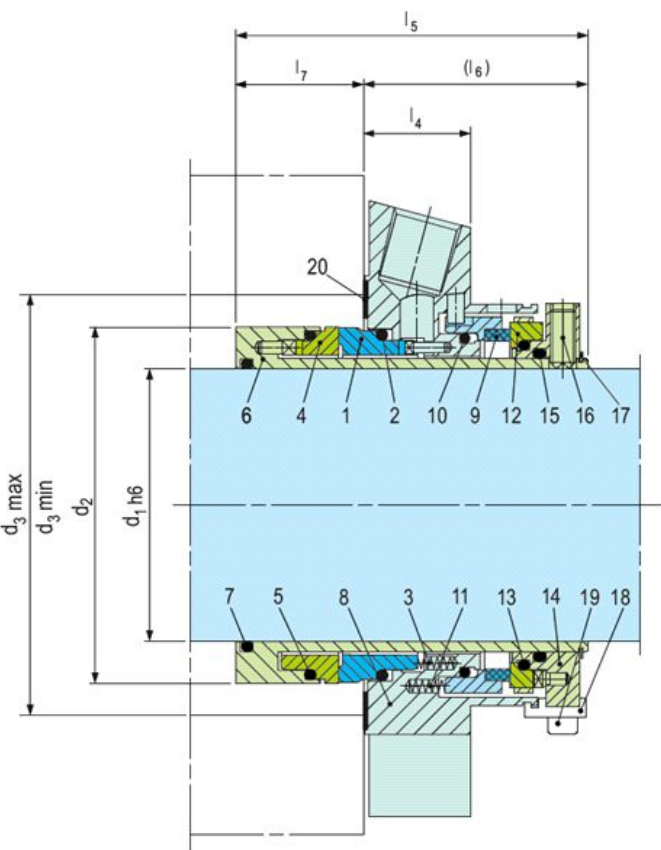


Operating Parameters								sealmatic®	
Sr. No	Seal Type & Size	Pump	Media	Temperature	Speed (RPM)	Stuffing Box Pressure (kg/cm <sup>2</sup> )	Suction Pressure (kg/cm <sup>2</sup> )	Discharge Pressure (kg/cm <sup>2</sup> )	API Plan
1	91-CTX-DN/2.750"-G914 R1	SYKES	Mining Slurry	Ambient	2200	2.4 kg/cm <sup>2</sup>	14.5 kg/cm <sup>2</sup>	14.5 kg/cm <sup>2</sup>	52

As per the below mentioned operating parameters. We are pleased to announce that Sealmatic type CTX double mechanical seal has been successfully installed for a mining application for a project in Australia. Thus, offering tailor made solutions, safety in operation and maintenance with a view to achieve highest efficiency.

### Sealmatic CTX Double Mechanical Seal For Mining Application

Type CTX-DN is a balanced mechanical seal mainly designed for process pumps. The seal is designed with the integrate pumping device for increasing the efficiency in circulation. The O-ring of CTX double seal is dynamically loaded to prevent the shaft damage, it also offers the benefit of independent of direction of rotation.



#### Performance Capabilities

- Sizes: d1 = Upto 100 mm (Upto 4.000")
- Temperature: t= -40 °C ... +220 °C (-40 °F ... +428 °F)

#### Sliding Face Material Combination Bq1

- Pressure: p1 = 25 bar (363 PSI)
- Speed = 16 m/s (52 ft/s)

#### Sliding Face Material Combination Q1Q1 or U2Q1

- Pressure: p1 = 20 bar (290 PSI)
- Speed = 10 m/s (33 ft/s)

#### Barrier Fluid Circulation System:

- p3max = 25 bar (363 PSI)

#### Permissible Axial Movement:

± 1.0 mm, d1 > 75 mm ± 1.5 mm

### Technical Features

- Ideal for use in process pump standardization
- O-ring is dynamically loaded to prevent shaft damage.
- Dimensional modification of the stuffing box chamber is not required due to short radial installation height
- Ideal to convert and retrofit pumps with packings and large volume OEM production
- Cartridge unit factory assembled for easy installation, which reduces downtime
- Rugged design for long operating life

July 10th 2022

