



# sealmatic®

## API 682 4th Edition Mechanical Seals

The Petroleum Ministry entrusted the well renowned OISD (OIL INDUSTRY SAFETY DIRECTORATE) with the task to undertake measures aimed at enhancing the safety in the Oil & Gas industry in India. Under this mandate various refineries in India undertook the projects of converting single mechanical seals to double mechanical seals in compliance with API standards.

We are extremely pleased to mention that under the OISD norms Sealmatic has successfully bagged orders for various refineries such as BPCL, IOCL, NRL etc, thus bringing areas of design, operation and maintenance with a view to achieve the highest safety standards in a cost-effective manner.

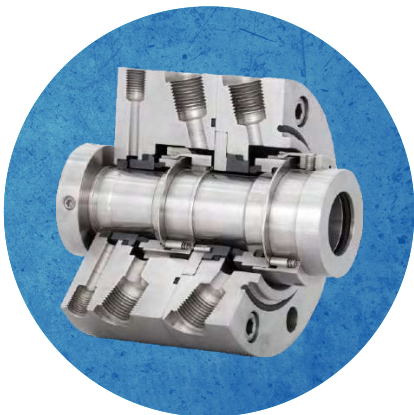
Sealmatic offers the widest portfolio of seals and seal supply systems in accordance with API 682 4th edition.

Sealmatic's API-compliant mechanical seals offer technically competent, practical solutions that provide significantly greater safety and process reliability in refining technology, petrochemical, oil & gas and chemical industries.

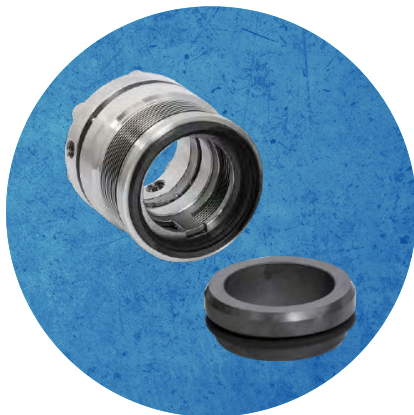
## Experience of converting more than 150 pumps from single to double mechanical seals under the OISD Project

Refineries were provided with full research and development, consulting and engineering, layout and calculation, design and production and a wide range of services under the OISD project by Sealmatic.

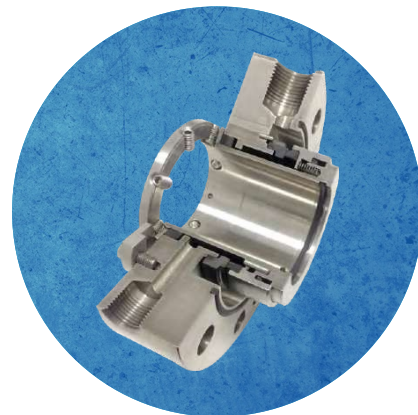
No matter how demanding the requirements were, we know how these factors affect functionality and economic viability, and we translated this expertise into outstanding long-term, reliable sealing solutions. Sealmatic has stationed their experts to manage and support the entire installation & commissioning of the mechanical seals alongwith seal support systems, thus guaranteeing life and service cycle of its sealing solutions.



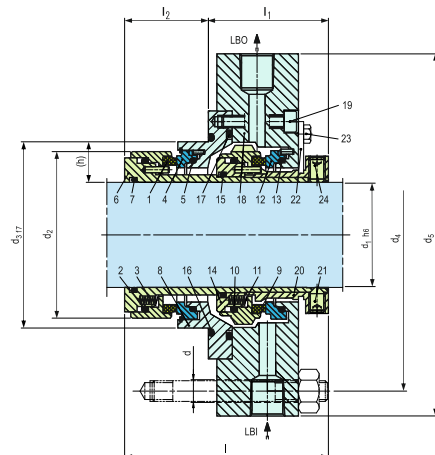
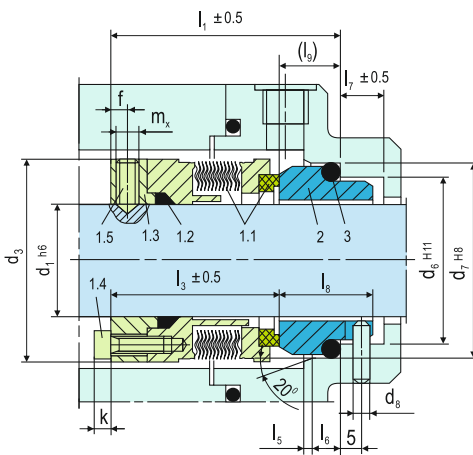
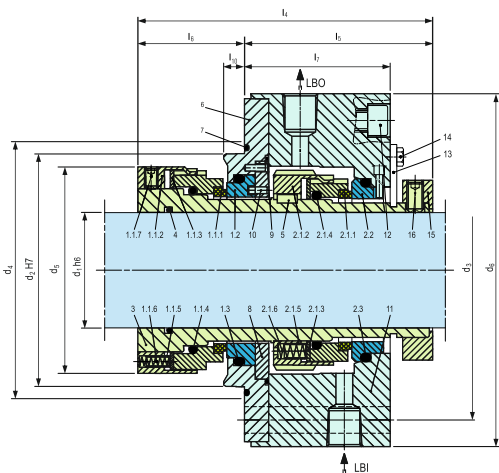
### B750VK Dual Seals



### UFLWT Single Seals



### CTXAPI Single & Dual Seals



### Performance Capabilities

Sizes:  $d_1$  = Upto 110 mm (Upto 4.250")\*  
Pressure:  $p_1$  = 40 bar (580 PSI)  
Temperature:  $t$  = -40 °C...+220 °C (-40 °F...+428 °F)  
Speed = 23 m/s (75 ft/s)  
Permissible axial movement: ± 2.0 ... 4.0 mm depending on diameter and installation situation  
\* Other sizes on request

### Performance Capabilities

Sizes:  $d_1$  = Upto 150 mm (Upto 6.000")  
Externally pressurized:  
 $p_1$  = ... 25 bar (363 PSI)  
Internally pressurized:  
 $p_1$  <120 °C (248 °F) 10 bar (145 PSI)  
 $p_1$  <220 °C (428 °F) 5 bar (73 PSI)  
 $p_1$  <400 °C (752 °F) 3 bar (44 PSI)  
Stationary seat lock necessary  
Temperature:  $t$  = -20 °C...+400 °C (-4 °F...+752 °F)  
Speed = 20 m/s (66 ft/s)

### Performance Capabilities

Sizes:  $d_1$  = Upto 110 mm (Upto 4.250")  
other sizes on request  
Pressure:  $p_1$  = 22 bar (319 PSI)  
Temperature:  $t$  = -40 °C...+260 °C (-40 °F...+500 °F)  
Speed = 23 m/s (75 ft/s)

