



SUPER PROOF

Innovative Sealing Solutions



MECHANICAL SEALS

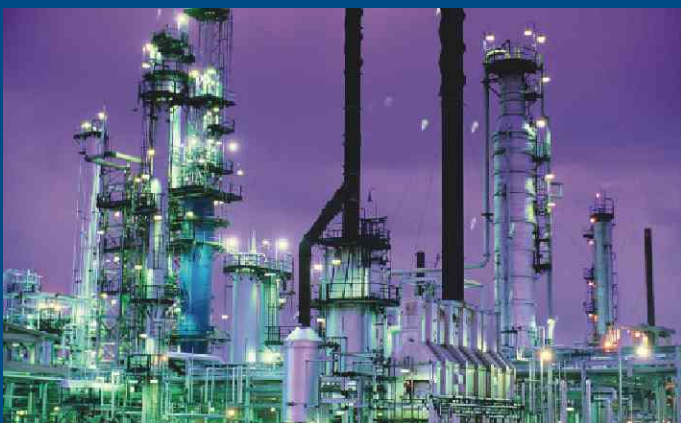
WELCOME & INTRODUCTION

Firstly, welcome and thank you for your interest in our Company.

SUPER PROOF is one of the leading designers and manufacturers of world-class Mechanical Seal for Pumps, Compressors, Agitators, Mixers and Reactors. We manufacture mechanical seal according to international standards and also conforms to EN 12756 (DIN 24960) and ISO 3069 with same design and fittings. We have computer aided design facility for designing and developing mechanical seal of interest to our customers.

SUPER PROOF feels its strength especially in fields where specific innovative solutions for sealing with mechanical seal systems are demanded.

At SUPER PROOF Engineers, "We give the Total Customer Satisfaction - High Quality Products, 24/7 Technical Support, and Rush Delivery of standard products."



QUALITY To ensure long life of product, we use the best quality raw materials coming from INDIA and different suppliers around the world. Raw materials, parts and complete assemblies are inspected by using latest instruments in all stages to prevent any lapse in quality. To conform to the strict quality control, our customized mechanical seals undergo pressure and leak testing before being sent out to our customers.

COST - SUPER PROOF products cost cheaper than other manufacturer or mechanical seal distributor. Through modular design techniques, we minimized production cost thus lowering the prices of our products.

DELIVERY - We have sufficient personnel and production facilities in order to support immediate requirements and rush deliveries of standard and special design seals according to the needs of our customers.

PERFORMANCE - Based on customer evaluations, we are able to assess that our products performed equally or even superior compared to expensive and well-known mechanical seals brand.

RESEARCH & DEVELOPMENT: The SUPER PROOF Policy for Research & Development is a simple think-tank for the analysis of local and global advanced sealing solutions, with the ultimate objective of offering comprehensive solutions to difficult applications.

WARRANTY - Due to strict quality control from start of production until shipment, our products are warranted against defects and workmanship. We at SUPER PROOF are able to guarantee our customers reliability and back-up in providing leak proof solutions.

REPAIR & SERVICE: With a group of experienced and skilled service team and appropriate machines and equipments, our clients can have all their mechanical seals repaired in one location. We are able to evaluate worn-out seals and to refurbish quickly and economically.

We will also ensure that we consider all aspects of the seal condition and operation history to determine the root cause of any problems. We offer our support in the assembly and start-up of more critical systems.

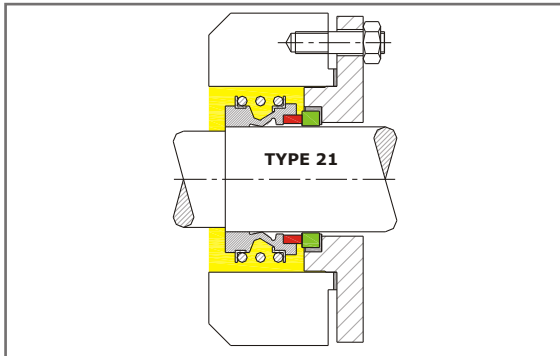
Super Proof Type 21

Features

- Unbalanced
- Long Elastomer Bellows
- Independent of direction of rotation

Operating Parameters:

- Size Range : 10 to 100mm
- Pressure : 10 kg/cm²
- Temperature : -20°C to +120°C
- Speed : Up to 10 m/s



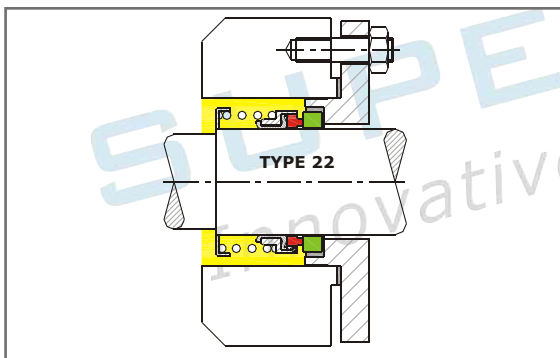
Super Proof Type 22

Features

- Unbalanced
- Short Elastomer Bellows
- Independent of direction of rotation

Operating Parameters:

- Size Range : 10 to 100mm
- Pressure : 10 kg/cm²
- Temperature : -20°C to +120°C
- Speed : Up to 10 m/s



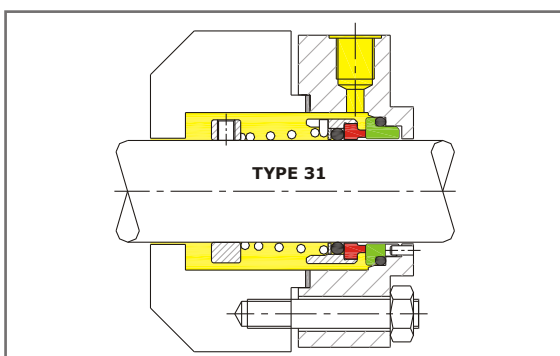
Super Proof Type 31

Features

- Unbalanced
- Conical spring
- Dependent of direction of rotation
- O-Ring as a Secondary Seal

Operating Parameters:

- Size Range : 12 to 80mm
- Pressure : 10 kg/cm²
- Temperature : -20°C to +180°C
- Speed : Up to 10 m/s



Super Proof Type 41

Features

- Unbalanced
- Parallel spring
- Independent of direction of rotation
- O-Ring as a Secondary Seal

Operating Parameters:

- Size Range : 12 to 80mm
- Pressure : 10 kg/cm²
- Temperature : -20°C to +180°C
- Speed : Up to 10 m/s

Super Proof Type 42

Features

- Unbalanced
- Parallel spring
- Independent of direction of rotation
- PTFE Packing as a Secondary Seal

Operating Parameters:

- Size Range : 12 to 80mm
- Pressure : 10 kg/cm²
- Temperature : -20°C to +180°C
- Speed : Up to 10 m/s

Super Proof Type 51U

Features

- Unbalanced
- Multiple springs
- Independent of direction of rotation
- O-Ring as a Secondary Seal

Operating Parameters

- Size Range : 14 to 200mm
- Pressure : 12 kg/cm²
- Temperature : -25°C to +250°C
- Speed : Up to 20 m/s

Super Proof Type 51B

Features

- Balanced
- Multiple springs
- Independent of direction of rotation
- O-Ring as a Secondary Seal

Operating Parameters:

- Size Range : 18 to 200mm
- Pressure : 25 kg/cm²
- Temperature : -25°C to +250°C
- Speed : 20 m/s

Super Proof Type 51BC

Features

- Balanced Seal
- Cartridge Construction
- Multiple springs
- Independent of direction of rotation
- O-Ring as a Secondary Seal

Operating Parameters:

- Size Range : 18 to 200mm
- Pressure : 25 kg/cm²
- Temperature : -25°C to +250°C
- Speed : 20 m/s

Super Proof Type 52U

Features

- Unbalanced Single Seal
- Multiple springs
- Independent of direction of rotation
- PTFE Wedge as a Secondary Seal

Operating Parameters:

- Size Range : 14 to 200mm
- Pressure : 12 kg/cm²
- Temperature : -25°C to +250°C
- Speed : Up to 20 m/s

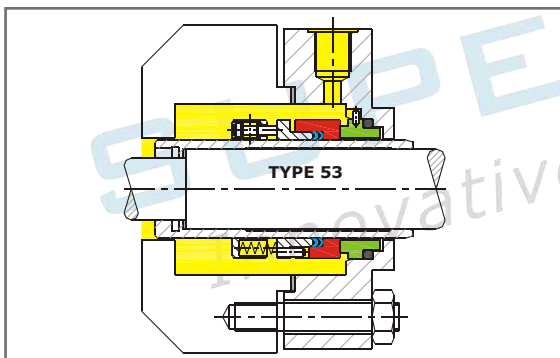
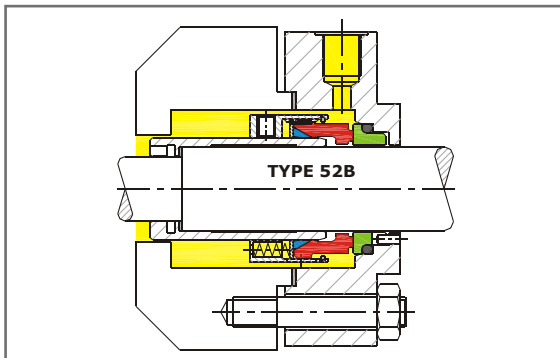
Super Proof Type 52B

Features

- Balanced
- Multiple springs
- Independent of direction of rotation
- PTFE Wedge as a Secondary Seal

Operating Parameters

- Size Range : 18 to 200mm
- Pressure : 25 kg/cm²
- Temperature : -25°C to +250°C
- Speed : 20 m/s



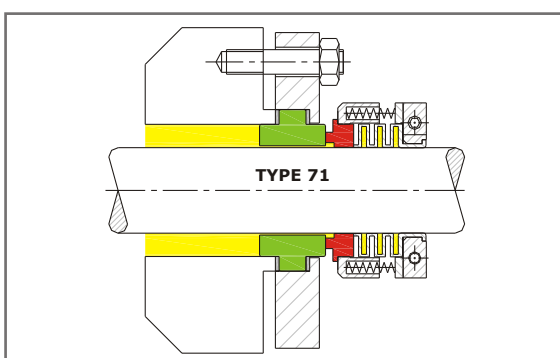
Super Proof Type 53

Features

- Unbalanced Single Seal
- Multiple springs
- Interchangeable Seal face
- Independent of direction of rotation
- PTFE Packings as a Secondary Seal

Operating Parameters:

- Size Range : 14 to 200mm
- Pressure : 12 kg/cm²
- Temperature : -25°C to +250°C
- Speed : Up to 20 m/s



Super Proof Type 71

Features

- Unbalanced
- Outside mounted
- Teflon Bellow with GFT face
- Product protected Springs
- Independent of direction of rotation

Operating Parameters

- Size Range : 19 to 80mm
- Pressure : 5 kg/cm²
- Temperature : -30°C to +120°C
- Speed : Up to 10 m/s

Super Proof Type 72

Features

- Unbalanced
- Outside mounted
- Teflon Bellow with replaceable SiC face
- Product protected Springs
- Independent of direction of rotation

Operating Parameters:

- Size Range : 19 to 80mm
- Pressure : 5 kg/cm²
- Temperature : -30°C to +120°C
- Speed : Up to 10 m/s

Super Proof Type 73

Features

- Reverse balanced
- Outside mounted
- Product protected Springs
- Independent of direction of rotation

Operating Parameters:

- Size Range : 19 to 100mm
- Pressure : 8 kg/cm²
- Temperature : -30°C to +120°C
- Speed : Up to 10 m/s

Super Proof Type 74

Features

- Outside mounted
- Product protected Springs
- Independent of direction of rotation
- Suitable for non metallic pump

Operating Parameters:

- Size Range : 19 to 100mm
- Pressure : 8 kg/cm²
- Temperature : -30°C to +120°C
- Speed : Up to 10 m/s

Super Proof Type 81

Features

- Balanced
- Metal Bellow
- Independent of direction of rotation
- O-Ring as a Secondary Seal

Operating Parameters:

- Size Range : 16 to 100mm
- Pressure : 25 kg/cm²
- Temperature : -40°C to +250°C
- Speed : Up to 20 m/s

Super Proof Type 82

Features

- Balanced
- Metal Bellow
- Independent of direction of rotation
- Grafoil as a Secondary Seal

Operating Parameters

- Size Range : 25 to 150mm
- Pressure : 25 kg/cm²
- Temperature : -20°C to +400°C
- Speed : Up to 20 m/s

Super Proof Type ZR 100D

Features

- Balanced Double Seal
- Product protected Springs
- Stationary spring design
- Independent of direction of rotation
- Suitable for liquids containing 20% Slurry
- O-Ring as a Secondary Seal

Operating Parameters

- Size Range : 25 to 100mm
- Pressure : 25 kg/cm²
- Temperature : -25°C to +250°C
- Speed : 20 m/s

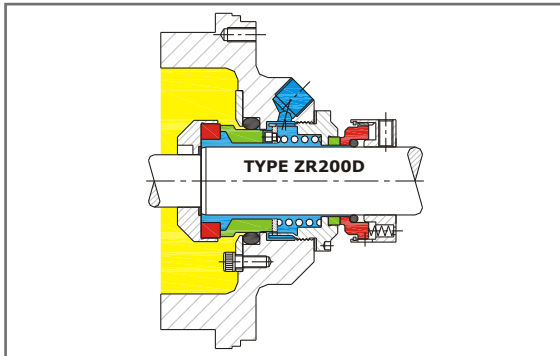
Super Proof Type ZR 200D

Features

- Balanced Double Seal
- Product protected Springs
- Stationary spring design
- Independent of direction of rotation
- Supplied with Conical Stuffing box
- Suitable for liquids containing 30-40% Slurry
- O-Ring as a Secondary Seal
- To be used as a replacement of Double Seal (back to back arrangement)
- No need for costlier Thermosyphon system

Operating Parameters

- Size Range : 25 to 100mm
- Pressure : 25 kg/cm²
- Temperature : -25°C to +250°C
- Speed : 20 m/s



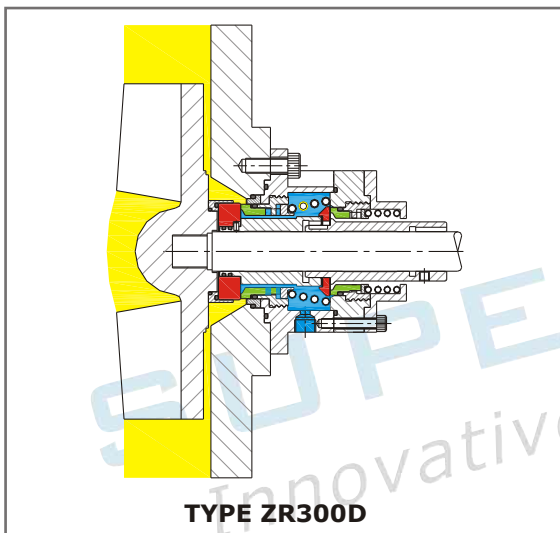
Super Proof Type ZR 300D

Features

- Balanced Double Seal
- Metal free contact seal
- Product protected Springs
- Stationary spring design
- Independent of direction of rotation
- Suitable for highly aggressive/corrosive media containing 30% Slurry
- O-Ring as a Secondary Seal

Operating Parameters

- Size Range : 25 to 100mm
- Pressure : 25 kg/cm²
- Temperature : -25°C to +250°C
- Speed : 20 m/s

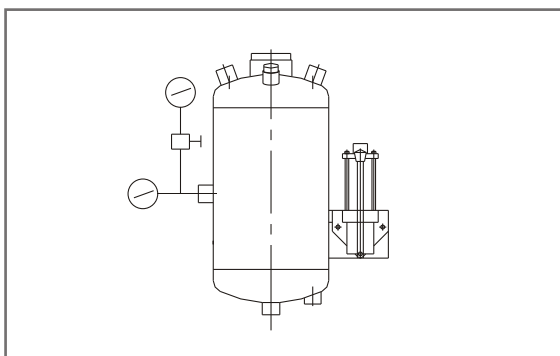


Thermosyphon System

Technical data

- Contents of tank : 9 litres
- Operating Volume : 2 litres
- Operating Pressure : 20 kg/cm²- **Type ST- 20LP**
- Operating Pressure : 40 kg/cm²- **Type ST- 20HP**

- Operating Temperature : -60°C to +200°C
- Cooling capacity normal circulation: 1.5kW
- Cooling capacity forced circulation : 4 kW



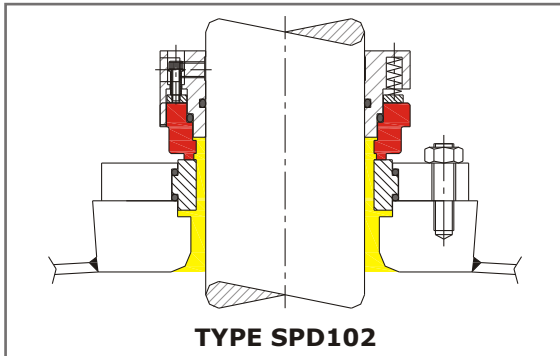
Super Proof Type SPD 102

Features:

- Single Seal
- Balanced
- Dry Running Seal
- Positive Drive thru drive lugs
- Independent of direction of rotation
- O-Ring as a Secondary Seal

Operating Parameters:

- Size Range : 25 to 150mm
- Pressure : Full Vacuum to 6 kg/cm²
- Temperature : -40°C to +150°C
- Speed : Up to 2 m/s



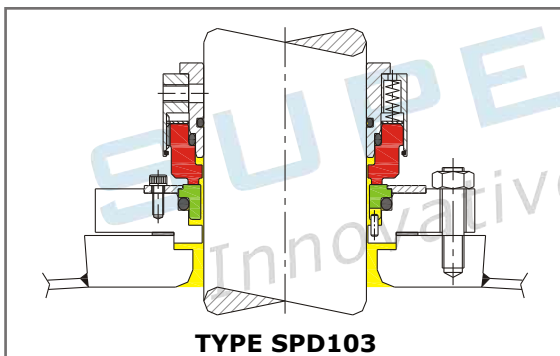
Super Proof Type SPD 103

Features

- Balanced
- Dry Running Seal
- Economic version
- Independent of direction of rotation
- O-Ring as a Secondary Seal

Operating Parameters:

- Size Range : 25 to 150mm
- Pressure : Full Vacuum to 6 kg/cm²
- Temperature : -40°C to +150°C
- Speed : Up to 2 m/s



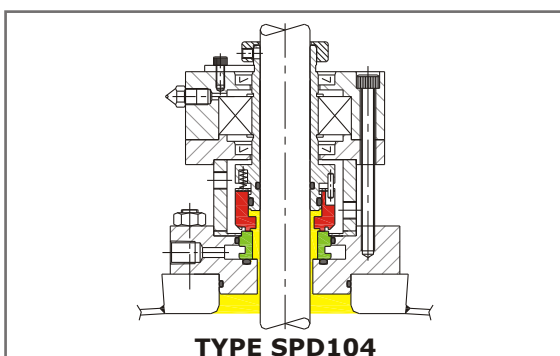
Super Proof Type SPD 104

Features

- Balanced
- Dry Running Seal
- Specially for High Speed applications
- Independent of direction of rotation
- O-Ring as a Secondary Seal

Operating Parameters:

- Size Range : 25 to 150mm
- Pressure : Full Vacuum to 6 kg/cm²
- Temperature : -40°C to +150°C
- Speed : Up to 5 m/s



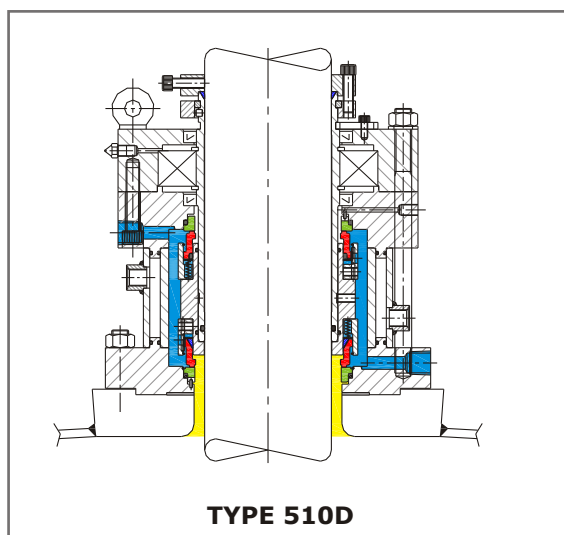
Super Proof Type 510D

Features

- For Stainless Steel Vessels and Agitators
- Double Seal
- Independent of direction of rotation
- Cartridge unit
- O-Ring as a Secondary Seal

Operating Parameters:

- Size Range: 25 to 200mm
- Pressure: Full Vacuum to 16 kg/cm²
- Temperature: -30°C to +200°C
- Speed: Up to 2 m/s



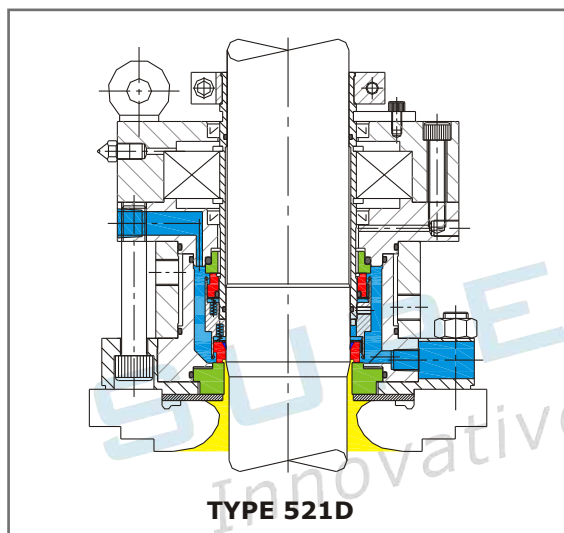
Super Proof Type 521D

Features

- For Glass-lined Vessels
- Double Seal
- Independent of direction of rotation
- Cartridge unit
- PTFE packing as a Secondary Seal

Operating Parameters:

- Size Range: 40 to 150mm
- Pressure: Full Vacuum to 16 kg/cm²
- Temperature: -30°C to +180°C
- Speed: Up to 2 m/s



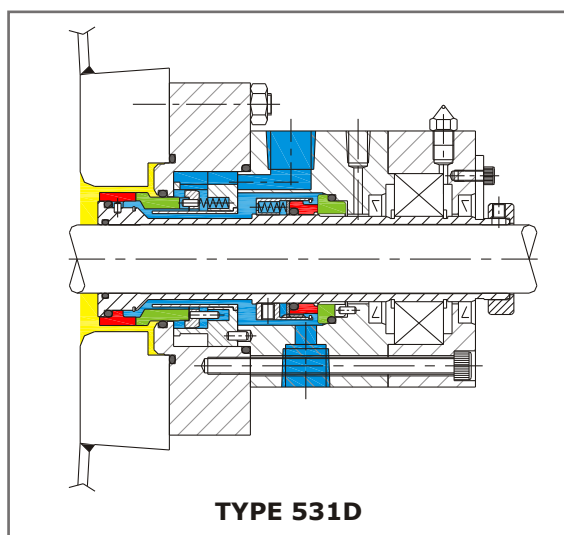
Super Proof Type 531D

Features

- For Bottom & Side Entry Vessels
- Double Seal
- Independent of direction of rotation
- Cartridge unit
- O-Ring as a Secondary Seal

Operating Parameters:

- Size Range: 25 to 150mm
- Pressure: Full Vacuum to 16 kg/cm²
- Temperature: -30°C to +200°C
- Speed: Up to 5 m/s



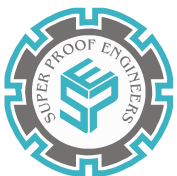


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