



Sampling Valve



Mechanical Seal



Rotary Joint



SEALWELL was Estd. in 1979 for manufacture of import substitution product “Mechanical Seal”. SEALWELL seals are designed to withstand stringent industrial application in any type of industry, let it be Chemical, Refining and Petrochemical, Pharmaceutical, Fertilizers and Oil extraction plant, Sugar industries, Power plant, Steel Industries and Shipping.

We are very much quality oriented and we maintain high quality standards of each and every product manufactured by us. We have done many advancements & developments in the field of Mechanical Seals, Rotary Joints and Sampling Valves and have catered to new and existing clients pan India.

Our clients rely on us not only for quality products but we are also known to them as solution providers in the field of Sealing and Sampling. We are currently catering to all the reputed OEM and End Users for all their needs in the SEALING & SAMPLING areas.

Our major focus is on the growing Chemical and Pharmaceutical industries to whom we are continuously catering to. However, we also provide advance SEALING & SAMPLING solutions to other industries like Shipping, Food Industry, Agrochemical, Dyes & Paints, Petrochemicals, etc.

We have provided engineered sealing and sampling solutions for advanced equipment's like ANFD, RCVD, Sigma Mixers, RVPD, PSMD, Conical Dryers, Spherical Dryers, Tri-Shaft Mixers, Nauta Dryers, Funda Filters, RMG, etc.

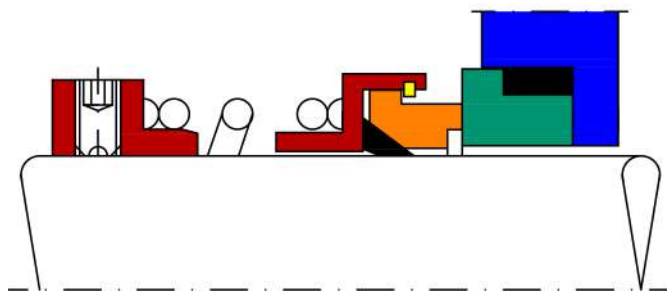
With the growing industry requirement we also have developed solutions for Pilot Plants equipments which are designed for stringent applications and our products have given excellent results.

We always strive towards product advancement and carry out in house test and trials to make our product a success and become a reliable solution provider to our valued clients.

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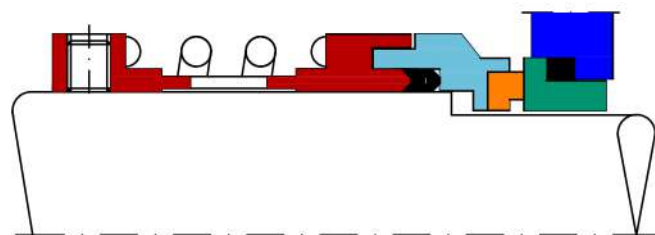
Seal Type: 11USC, 10USC, 11BSC, 10BSC



Single Spring Mechanical seals are a result of more than three decades of experience in design, manufacture and operation of seals. These seal are best suitable for application involving abrasive, corrosive and viscous fluids.

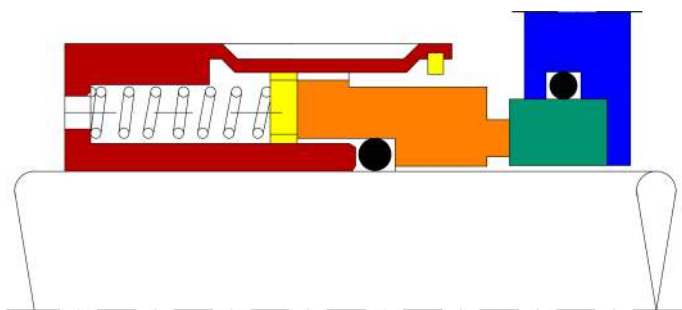
Specifications:

Shaft Dia: 25.00 to 80.00 MM
Pressure: Up to 20 Kg/Cm2
Temp.: -20 to 150 Deg. C.
Speed in RPM: 2900
Contact Parts: SS 304, SS 316, HC-276, HC-22, Inconel, Alloy-20
Seal Ring: Carbon, SIC, T.C.
Mating Ring: SIC, T.C.
Secondary Sealing: FKM, FFKM, PTFE



Special Note: These seals are also available in cartridge Construction

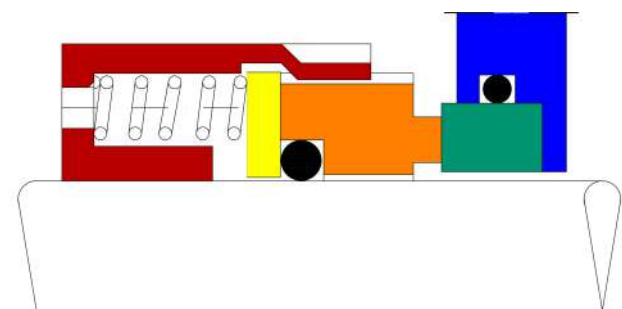
Seal Type: 11UMS, 10UMS, 11BMS, 10BMS



Multi spring Mechanical seals are pusher type seals in unbalanced and balanced configurations. Most of the components are interchangeable between unbalanced and balanced seal. These seals are having cartridge type rotary head, which is compact and easy to install.

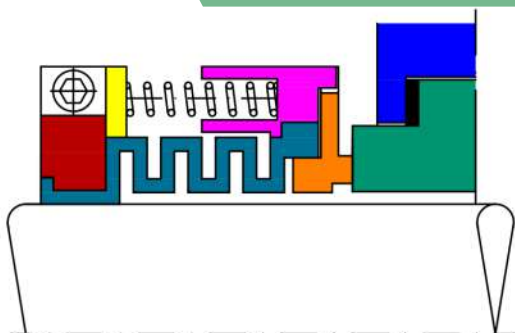
Specifications:

Shaft Dia: 25.00 to 120.00 MM
Pressure: Up to 25 Kg/Cm2
Temp.: -20 to 200 Deg. C.
Speed in RPM: 2900
Contact Parts: SS 304, SS 316, HC-276, HC-22, Inconel, Alloy-20
Seal Ring: Carbon, SIC, T.C.
Mating Ring: SIC, T.C.
Secondary Sealing: FKM, FFKM, PTFE



Special Note: These seals are also available in cartridge Construction

Seal Type: GTB,STB

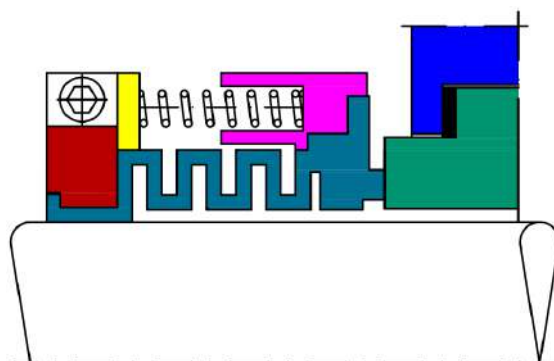


PTFE Bellow seals are suitable for handling most of the corrosive media. This is an externally mounted Mechanical seal so no metal parts are in contact with the media. This seal has no dynamic elastomers, hence no fretting on the shaft.

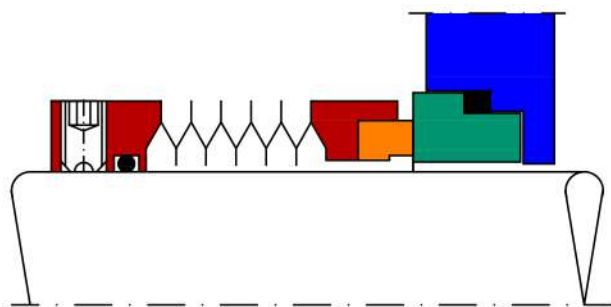
PTFE bellow Seals with replaceable SIC face are suitable for media with some solid contents. The flexible bellow accommodates shaft run out without causing any damage to the whole seal.

Specifications:

Shaft Dia: 20.00 to 120.00 MM
Pressure: Up to 5 Kg/Cm2
Temp.: 120 Deg. C.
Speed in RPM: 1440/2900
Contact Parts: Metal free
Seal Ring: GFT, CFT, SIC
Mating Ring: Ceramic, SIC
Secondary Sealing: PTFE



Seal Type: MB-1, MB-2

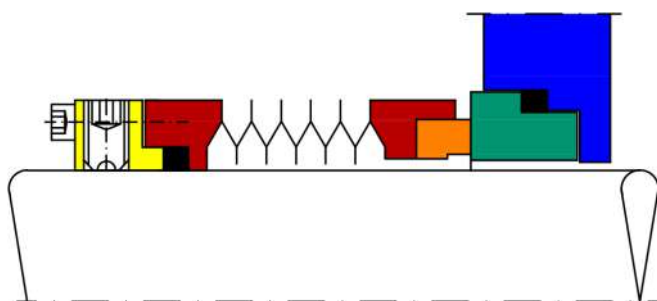


Std. Metal bellow seals are internally mounted seals used in pumps and are ideal for high temp. applications. Since Metal bellow require no secondary sealing devices like O-ring or wedges, shaft grooving or fretting is avoided.

The seals with secondary Graphoil pakings can be used for extreme temp. range for Thermic fluid application.

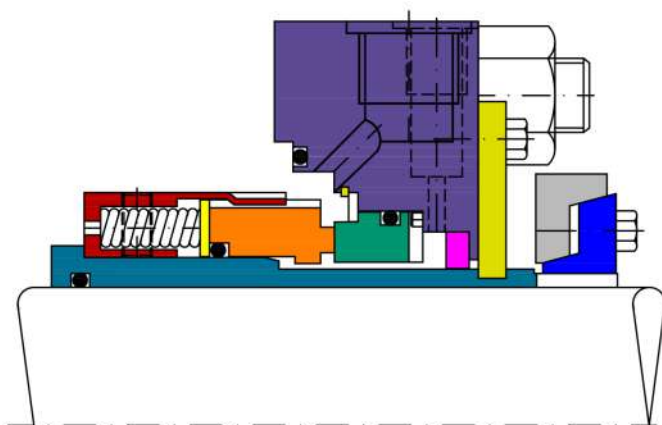
Specifications:

Shaft Dia: 18.00 to 100.00 MM
Pressure: Up to 15 Kg/Cm2
Temp.: -50 to 350 Deg. C.
Speed in RPM: 2900
Contact Parts: SS 316, AM350, Alloy-20, HC-276, HC-22
Seal Ring: Carbon, SIC
Mating Ring: SIC, T.C.
Secondary Sealing: FFKM, PTFE, Graphoil



Special Note: These seals are also available in cartridge Construction

Seal Type: 77CRT

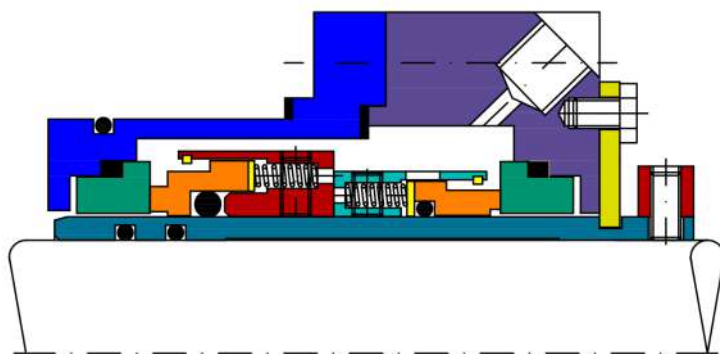


Single cartridge seals are pre-assembled units which can be directly installed on pumps. This has an integral sleeve with gland plate. The seal does not require any dimensional adjustment during the time of installation. They are best suited for slurry or viscous applications. Cartridge seals can be supplied with variety of designs depending upon the application.

Specifications:

Shaft Dia: 25.00 to 150.00 MM
Pressure: Up to 15 Kg/Cm²
Temp.: -20 to 180 Deg. C.
Speed in RPM: 2900
Contact Parts: SS 316, HC-276, HC-22
Seal Ring: Carbon, SIC, T.C.
Mating Ring: SIC, T.C.
Secondary Sealing: FKM, FFKM, FEP, PTFE

Seal Type: D77CRT

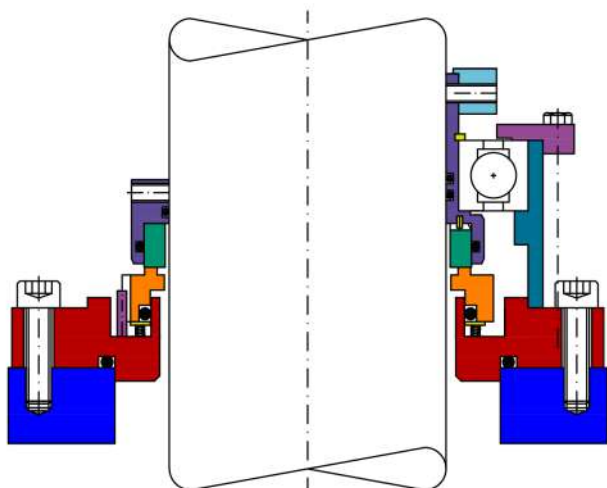


Double cartridge seals are pre-assembled units which can be directly installed on pumps. These seals have a housing in which external barrier fluid can be circulated to counters the process pressure and temperature. These seals do not require any dimensional adjustment during the time of installation. They are best suited for slurry or viscous applications. Double cartridge seals can be supplied with variety of designs depending upon the application.

Specifications:

Shaft Dia: 25.00 to 150.00 MM
Pressure: Up to 15 Kg/Cm²
Temp.: -50 to 250 Deg. C.
Speed in RPM: 2900
Contact Parts: SS 316, HC-276, HC-22
Seal Ring: Carbon, SIC, T.C.
Mating Ring: SIC, T.C.
Secondary Sealing: FKM, FFKM, FEP, PTFE

Seal Type: 90DS-3NF



Single cartridge seals are factory assembled units which can be directly installed on Stainless Steel reactors (SSR). They are suitable for non-toxic, non-hazardous and less critical applications. These seals are economical as compared to other sealing arrangement for Agitators. They are available with or without bearing support, however for better life and performance bearing support is recommended. This same design can also be converted to Single cartridge Wet Seal arrangement by adding an Oil Cup.

Specifications:

Shaft Dia: 25.00 to 150.00 MM

Pressure: Up to 6 Kg/Cm²

Temp.: -25 to 150 Deg. C.

Speed in RPM: 50-100

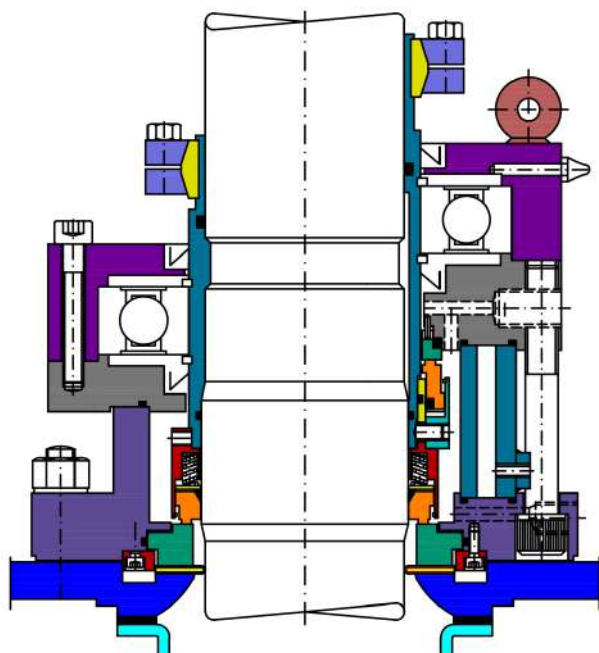
Contact Parts: SS 316, HC-276, HC-22

Seal Ring: Carbon, SIC

Mating Ring: SIC, T.C.

Secondary Sealing: FKM, FFKM, FEP, PTFE

Seal Type: GLS-10B, GLS-11B, GLD-11U/10B



Cartridge Seals designed for Glass Lined Reactors (GLR) are best suited for highly corrosive media. These seals are so designed that no metal parts comes in contact with the process media, hence no corrosion or scaling takes place on the seal parts. Both Single & Double options are available with bearing support.

Specifications:

Shaft Dia: 60.00 to 160.00 MM

Pressure: Up to 6 Kg/Cm²

Temp.: -25 to 150 Deg. C.

Speed in RPM: 50-100

Contact parts are Metal Free

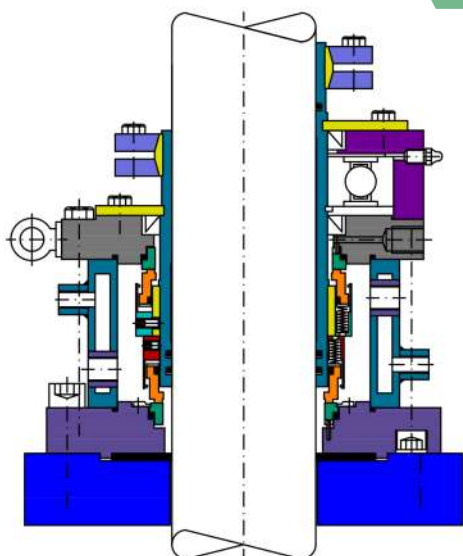
Seal Ring: Carbon, SIC

Mating Ring: Ceramic, SIC

Secondary Sealing: FFKM, FEP, PTFE

Circulation: TS Pot

Seal Type: SSD-10B/10U, SSD-10B/10B



Double Cartridge Seals for Stainless Steel reactors (SSR) are time tested Std. seals which can be offered for variety of applications by changing MOC of contact parts. Seal can be offered with or without bearing support. However, bearing support is recommended for added life and performance.

Specifications:

Shaft Dia: 25.00 to 250.00 MM

Pressure: Up to 30 Kg/Cm²

Temp.: -50 to 350 Deg. C.

Speed in RPM: 50-100

Contact Parts: SS 304, SS 316, HC-276, HC-22

Seal Ring: Carbon, SIC

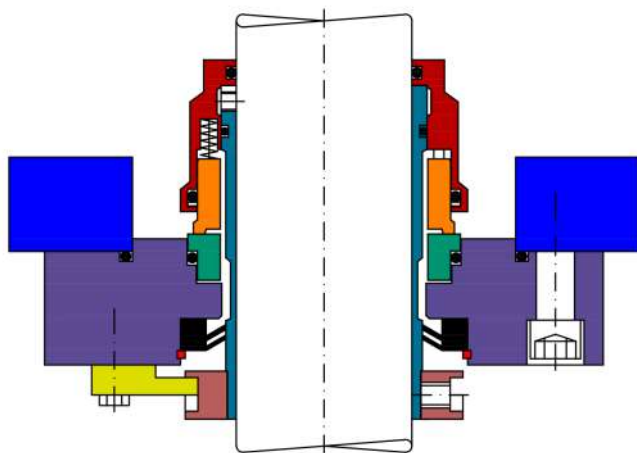
Mating Ring: SIC, T.C.

Secondary Sealing: FKM, FFKM, FEP, PTFE

Circulation: TS Pot

Heat Trap Provision: Optional

Seal Type: 77CRT-BS



Single cartridge seals for Bottom Entry shaft are mainly used for Bottom Entry Agitators and RMG. These can be used for high speed and high pressure application intermittently. Very easy to install and are comparatively economical as compared to other sealing arrangement for Bottom entry shafts.

Specifications:

Shaft Dia: 30.00 to 220.00 MM

Pressure: Up to 10 Kg/Cm²

Temp.: -25 to 150 Deg. C.

Speed in RPM: 1000

Contact Parts: SS 316, HC-276, HC-22

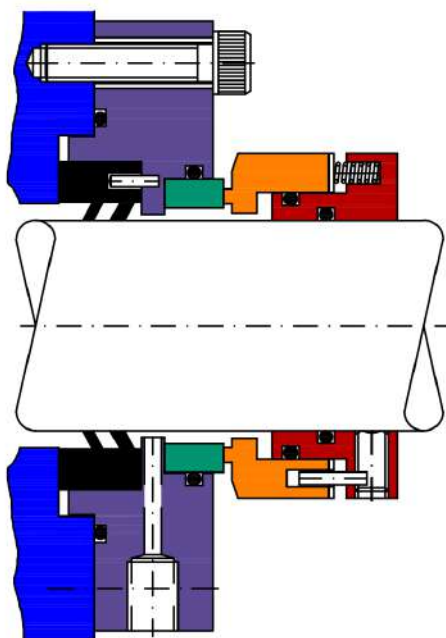
Seal Ring: Carbon

Mating Ring: SIC, T.C.

Secondary Sealing: FKM, FFKM, PTFE

Special Note: Air purging and Flushing Port are provided on request from clients end.

Seal Type: CH-10B

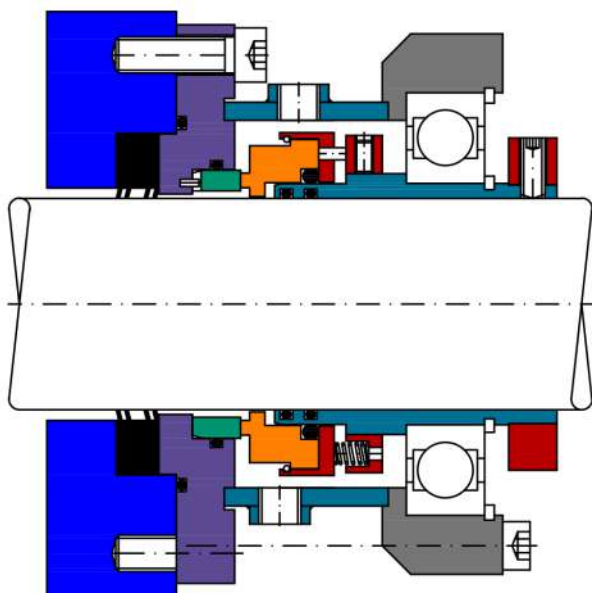


These are High Speed Single Dry seals used for Chopper Application in Process Equipments like RVPD, RCVD, Nauta Dryers, RMG, etc. PTFE Lip Seal is provided as a primary barrier to restrict the powder going inside the seal. Air purging ports are provided to blow off any powder entering in the seal area after end of batch. Special grade of Carbon Seal Ring is used in these seals for high speed. To be used for intermittent application only.

Specifications:

Shaft Dia: 20.00 to 60.00 MM
Pressure: Up to 5 Kg/Cm²
Temp.: -25 to 150 Deg. C.
Speed in RPM: 1440
Contact Parts: SS 316, HC-276, HC-22
Seal Ring: Carbon
Mating Ring: SIC, T.C.
Secondary Sealing: FKM, FFKM, PTFE

Seal Type: RT-10B

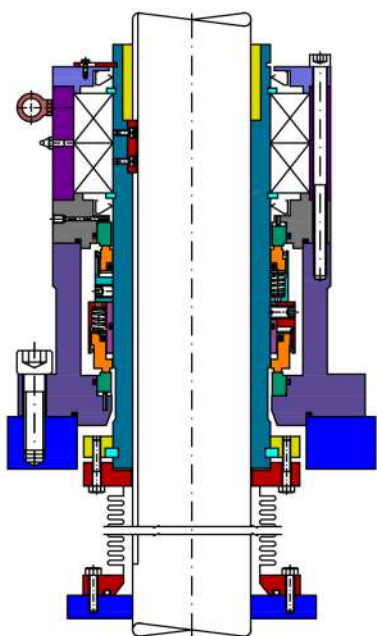


Single DRY cartridge externally mounted Mechanical Seal with Bearing support suitable for Rotary Cove Vacuum Dryer (RCVD) application. Primary PTFE Lip seal barrier is provided to restrict powder entering the seal area. Ports are provided in seal housing for Air circulation to disperse the heat generated during operation.

Specifications:

Shaft Dia: 30.00 to 150.00 MM
Pressure: Up to 5 Kg/Cm²
Temp.: -25 to 150 Deg. C.
Speed in RPM: 2-12
Contact Parts: SS 316, HC-276, HC-22
Seal Ring: Carbon, SIC
Mating Ring: SIC
Secondary Sealing: FKM, FFKM, PTFE, FEP
Circulation: Air Circulation (Optional)

Special Note: Internal DRY Single & Double sealing options are also available on request



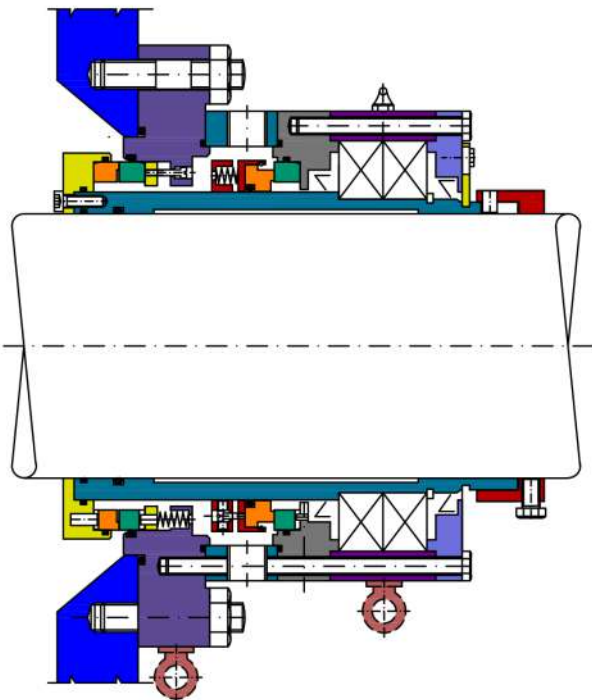
Seal Type: NF-10B/10U

Double DRY cartridge Mechanical Seal specifically designed and developed for Agitated Nutsche Filer Dryer (ANFD) where the shaft is Rotating and at the same time having up and down movement. Metal bellow is used to restrict the leakage from the shaft and seal sleeve.

Specifications:

Shaft Dia: 30.00 to 250.00 MM
Pressure: Up to 8 Kg/Cm²
Temp.: -25 to 220 Deg. C.
Speed in RPM: 2-12
Contact Parts: SS 316, HC-276, HC-22
Seal Ring: Carbon, SIC
Mating Ring: SIC
Secondary Sealing: FKM, FFKM, PTFE, FEP

Seal Type: 1PD-10U/10U, 1PD-10B/10U



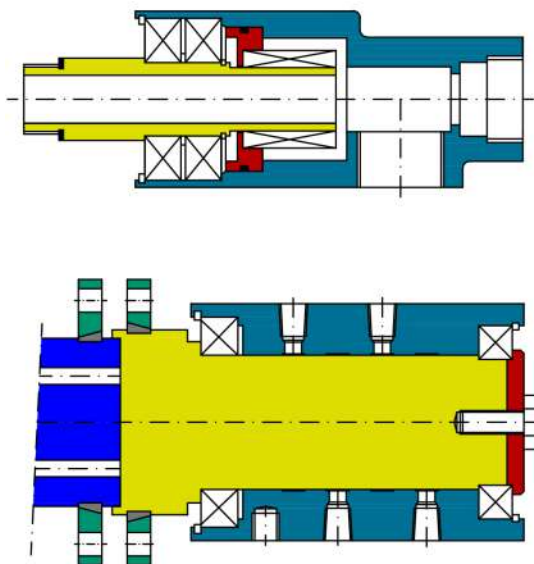
Double Wet cartridge Mechanical Seal for Horizontal Shaft are mainly used for RVPD & PSMD application. Floating Collet arrangement is provided to take the shaft expansion which may occur due to temp. These seals can be used Dry at low temp. & speed. It has robust design support by Double Roller bearing in case of any shaft deflection which may arise during the process.

Specifications:

Shaft Dia: 50.00 to 280.00 MM
Pressure: Up to 8 Kg/Cm²
Temp.: -25 to 220 Deg. C.
Speed in RPM: 2-12
Contact Parts: SS 316, HC-276, HC-22
Seal Ring: Carbon, SIC
Mating Ring: SIC
Secondary Sealing: FKM, FFKM, PTFE, FEP
Circulation: TS Pot.

Special Note: Double DRY cartridge Mechanical Seal can also be manufactured for low RPM application.

Rotary Joints



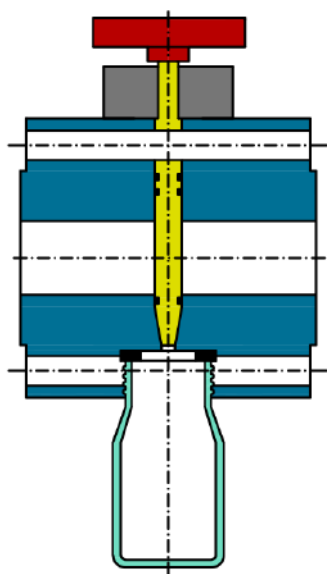
A rotary joint, also referred to as a rotary union or rotating union, is a rotary sealing device that connects rotating equipment to fixed piping for the transfer of steam, water, thermal oil, coolant, hydraulic oil, air, and other media.

Specifications:

Design: Mono Flow, Dual Flow, Multi Port
Std. Size: 0.50" to 3"
Pressure: Up to 12 Kg/Cm²
Temp.: -25 to 200 Deg. C.
Speed in RPM: 2-12
MOC: SS 304, SS 316, Brass
Mountings: Threaded, Flanged

Special Note: Custom made heavy Duty Rotary Joints are also available on request with Size ranging from 4" to 6".

Sampling Valves



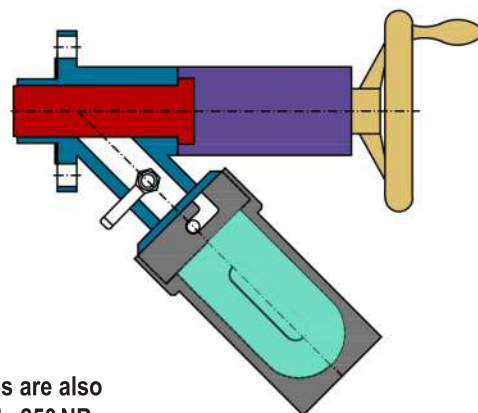
In Line Valves

SEALWELL's in-house Designed & Developed ON-LINE Sampling Valve are suitable for use on all type of Mixers & Agitators viz. ANFD, RVPD, RCVD, Conical Dryer, etc. without breaking pressure or vacuum. These valves can be used to draw Liquids, Powder & Paste from the equipment while it is in operation for testing & sampling. Another variation is IN-LINE Sampling Valves which are used to drawing liquid samples from pipe lines in all the process industries.

Specifications

Std. Size: 25 NB, 40 NB, 50 NB
Pressure: Upto 12 Kg/Cm²
Temp.: -25 to 200 Deg. C.
Contact Parts: SS 304, SS 316, PTFE
Sealing: FKM, FFKM, PTFE, Food Grade Silicone

Special Note: Custom made Discharge valves are also available on request with size ranging from 80 NB to 250 NB



On Line Valves



Sealwell
Systems Pvt. Ltd.

MECHANICAL SEAL | ROTARY JOINTS | SAMPLING VALVE