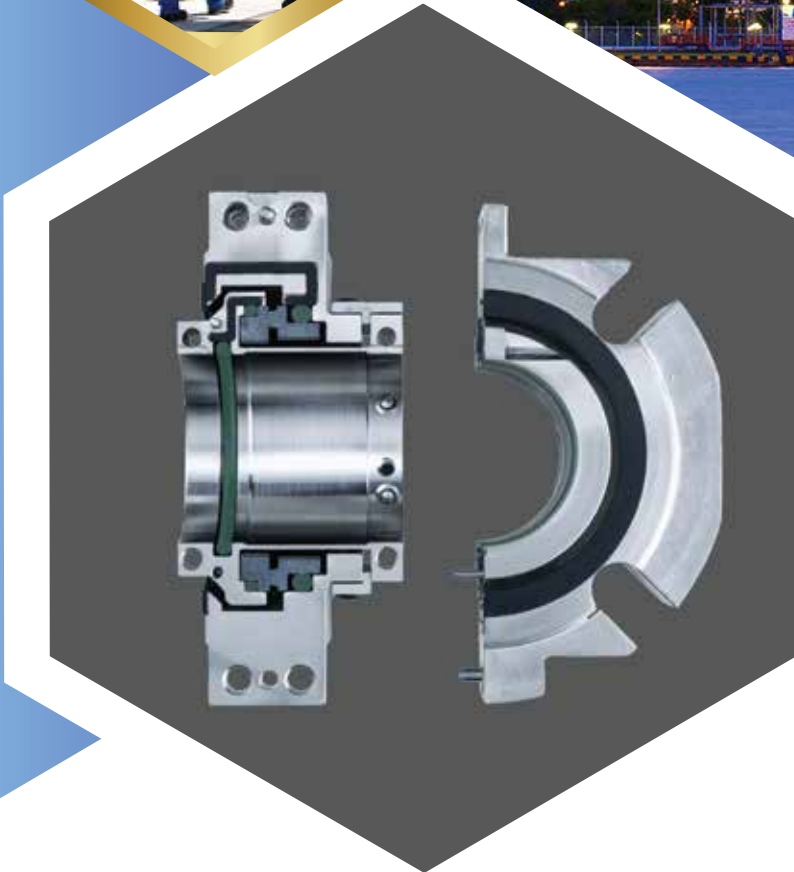




ISO 9001-2015 CERTIFIED COMPANY



Innovation.

Standardization.

Continual Improvement.

ABOUT US:

Gipfel Engineering is an ISO 9001:2015 Certified company also registered with the Ministry of MSME & NSIC & engaged in the Designing, Manufacturing, Export and Supply of all types of Component Mechanical Seal, Engineered Mechanical Seal, API Seal, Gas Seal, Seal Support System, Carbon Floating Seal Ring, Carbon Segmented Ring for Turbine, Bearing Isolator, Rotary Joint, Expansion Joint, Compression Packing, Spiral Wound Gasket, Chemical Process Pump & Pump's Spare. We also undertake refurbishment of all other Makes of Mechanical Seals & Redevelopment of existing Pumps.

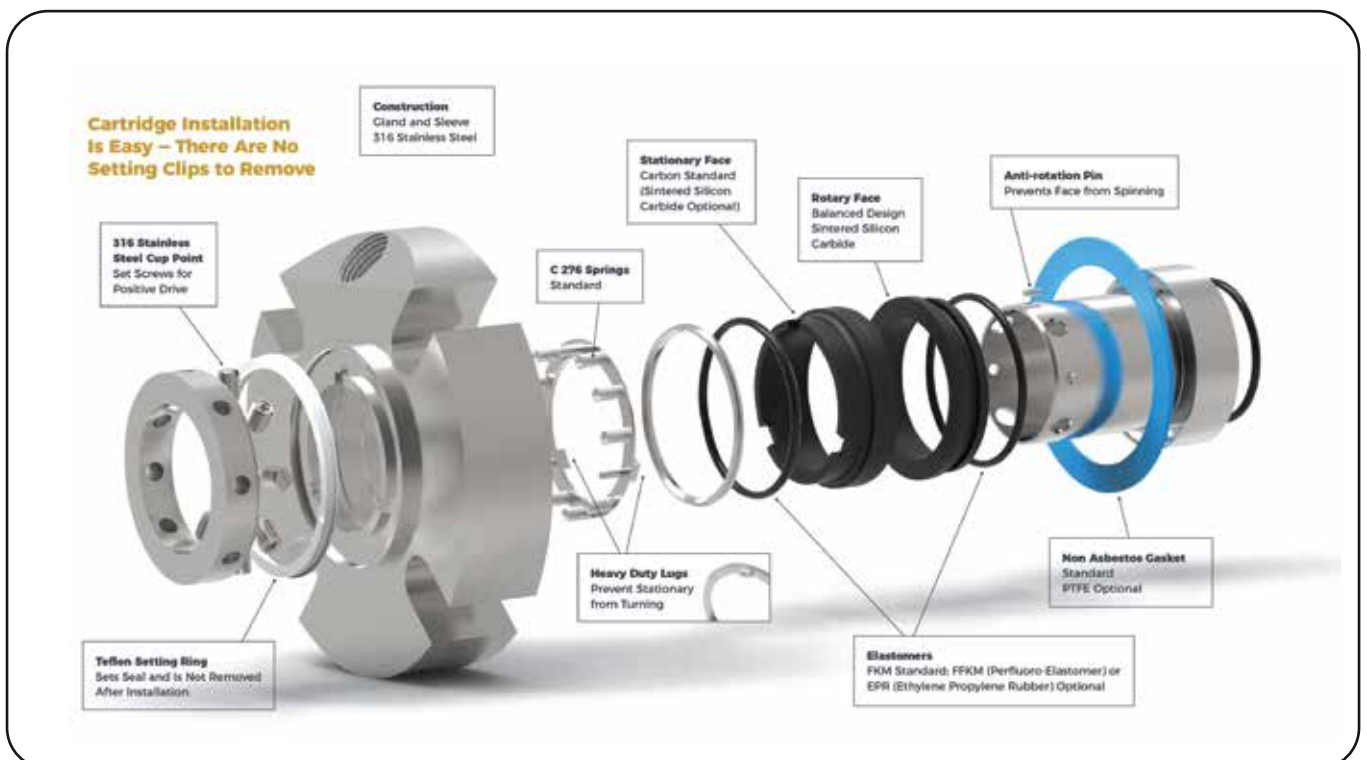
We are also solution provider for mechanical problems, impeller imbalance issues, efficiency improvement for pumps & blowers and provide Seal & Pump installation services (AMC & ARC). We also offer Technical Consultancy related to Pumps and Mechanical Seals.

Our Seals conforms to the following standards:

- ISO 3069
- ISO 21049
- API 682 (Compliance)
- DIN EN 12759

Our Registrations:

- ISO 9001-2015
- NSIC
- MSME UDYAM Registration
- GEM Registration



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COMPONENT MECHANICAL SEALS

Single Spring Type Mechanical Seals



ST100



CS110



SS120

Materials	Faces	Carbon / Ceramic / Silicon Carbide / Tungsten Carbide
	Elastomers	Nitrile (NBR) / Viton (FKM) / EPDM / Aflas / PTFE
	Hardwares	SS 304 / SS 316 / Hastelloy – C 276 / Alloy 20
Operating Limits	Size	12 mm to 100 mm (1/2" to 4")
	Pressure	14 bar
	Temperature	-20 to +180 Deg. C
	Speed	2900 RPM

Multi Spring Type Mechanical Seals



MS200



MS210



MR220



MI250C



MF260S



MF270D



ME280D

Materials	Faces	Carbon / Silicon Carbide / Tungsten Carbide / Lecrolloy
	Elastomers	Nitrile (NBR) / Viton (FKM) / EPDM / Aflas / PTFE / TTV / Kalrez (FFKM)
	Hardwares	SS 304 / SS 316 / Hastelloy – C / Alloy – 20 / Monel / Titanium
Operating Limits	Size	14 mm to 250 mm (1/2" to 10")
	Pressure	35 bar
	Temperature	-50 to +180 Deg. C
	Speed	2900 RPM

Wave Spring Type Mechanical Seals



WS300



WS310



WS320

Materials	Faces	Carbon / Silicon Carbide / Tungsten Carbide
	Elastomers	Nitrile (NBR) / Viton (FKM) / EPDM / Aflas / PTFE / TTV / Kalrez (FFKM)
	Hardwares	SS 304 / SS 316 / Hastelloy - C / Alloy - 20 / Titanium
Operating Limits	Size	20 mm to 150 mm (1/2" to 6")
	Pressure	20 bar
	Temperature	-45 to +180 Deg. C
	Speed	2900 RPM

Rubber Bellow Type Mechanical Seals



RB10



RB20



RB30



RB40



RB50



RB60

Materials	Faces	Carbon / Ceramic / Silicon Carbide / Tungsten carbide
	Elastomers	Nitrile (NBR) / Viton (FKM) / EPDM
	Hardwares	SS 304 / SS 316
Operating Limits	Size	12 mm to 100 mm (1/2" to 4")
	Pressure	6 bar
	Temperature	-20 to +160 Deg. C
	Speed	2900 RPM

Teflon Bellow Type Mechanical Seals



TB400



TB410R



TB420

Materials	Faces	GFT / CFT (Faces of the Seal is Composite Molded with Highly Flexible) / Ceramic / Silicon Carbide
	Elastomers	PTFE
	Hardwares	SS 316 / Hastelloy-C / Alloy-20 / Titanium
Operating Limits	Size	20 mm to 100 mm (3/4" to 4")
	Pressure	6 bar
	Temperature	-20 to +80 Deg. C
	Speed	2900 RPM

Metal Bellow Type Mechanical Seals



MB500



MB510L



MB520S

Materials	Faces	Carbon / Silicon Carbide / Tungsten Carbide
	Elastomers	Viton (FKM) / Kalrez (FFKM) / Grafoil
	Hardwares	SS 316L / Hastelloy-B & C / Alloy-20
	Bellow Material	AM-350 / Alloy 20 / Hastelloy-C / Inconel 625
Operating Limits	Size	20 mm to 150 mm (3/4" to 6")
	Pressure	14 bar
	Temperature	-20 to +300 Deg. C
	Speed	2900 RPM

ENGINEERED MECHANICAL SEALS

Cartridge Type Mechanical Seals



SC600



SC610G



SC620F



SC630



DC650



DC660

Materials	Faces	Carbon / Ceramic / Silicon Carbide / Tungsten Carbide
	Elastomers	Nitrile (NBR) / Viton (FKM) / EPDM / EPR / Aflas / PTFE / TTV / Kalrez (FFKM)
	Hardwares	SS 304 / SS 316 / Hastelloy-B & C / Alloy-20 / Titanium / Duplex SS
Operating Limits	Size	20 mm to 300 mm (3/4" to 12")
	Pressure	40 bar
	Temperature	-50 to +220 Deg. C
	Speed	2900 RPM

Metal Bellow Cartridge Type Mechanical Seals



BS700



BS710



BC720



BC730



BD740



BD750

Materials	Faces	Carbon / Silicon Carbide / Tungsten Carbide
	Elastomers	Grafoil / PTFE / Kalrez
	Hardwares	SS 316L / Hastelloy-B & C / Alloy-20 / Titanium
	Bellow Material	AM-350 / Alloy 20 / Hastelloy-C / Inconel 625 / Titanium
Operating Limits	Size	20 mm to 200 mm (3/4" to 8")
	Pressure	25 bar
	Temperature	-20 to +350 Deg. C
	Speed	2900 RPM

Slurry Type Mechanical Seals



LS810



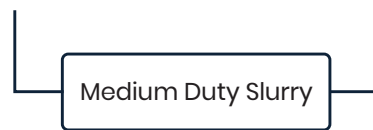
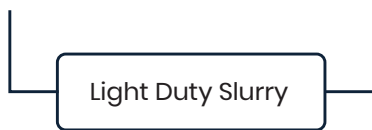
LS830



MS820



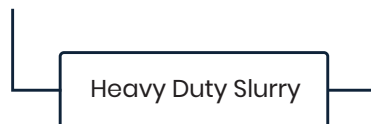
MS840



HS860



HS870



Materials	Faces	Silicon Carbide / Tungsten Carbide
	Elastomers	Viton (FKM) / Aflas / EPR / PTFE / TTV / Kalrez (FFKM)
	Hardwares	SS 316 / Hastelloy-B & C / Alloy-20 / Duplex SS / High Chrome Iron / Titanium
Operating Limits	Size	20 mm To 300 mm (3/4" to 12")
	Pressure	20 bar
	Temperature	Ambient to 140 Deg. C
	Speed	2900 RPM
	Solids	40% Maximum solids by weight
	Particle Size	5000 Microns Maximum
	Particle Hardness	9 MOH Maximum

Mechanical Seals For Equipments



SD900



DD910



ES920



ES930



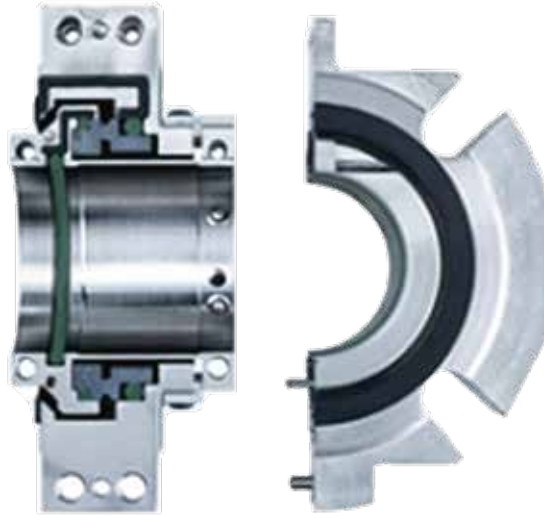
ED940



ED950

Materials	Faces	Carbon / Silicon Carbide / Tungsten Carbide
	Elastomers	Viton (FKM) / EPDM / Neoprene / Aflas / PTFE / TTV / Kalrez (FFKM)
	Hardwares	SS 304 / SS 316 / Hastelloy-B & C / Alloy-20 / Titanium
Operating Limits	Size	20 mm to 300 mm / (3/4" to 12")
	Pressure	Vacuum to Vessel pressure +60 bar
	Temperature	-20 to +250 Deg. C
	Speed Range	100 RPM to 1450 RPM

SPLIT TYPE MECHANICAL SEALS



SPT770

Materials	Faces	Carbon / Silicon Carbide / Ceramic
	Elastomers	Viton (FKM) / EPDM / FFKM
	Hardwares	SS 316 / Hastelloy C / Monel K400
Operating Limits	Size	50 mm to 300 mm (2" to 12")
	Pressure	19 bar
	Temperature	-18 to +140 Deg. C
	Speed	3600 RPM (As Pump Seal) & 140 RPM (As Dry Running Seal)

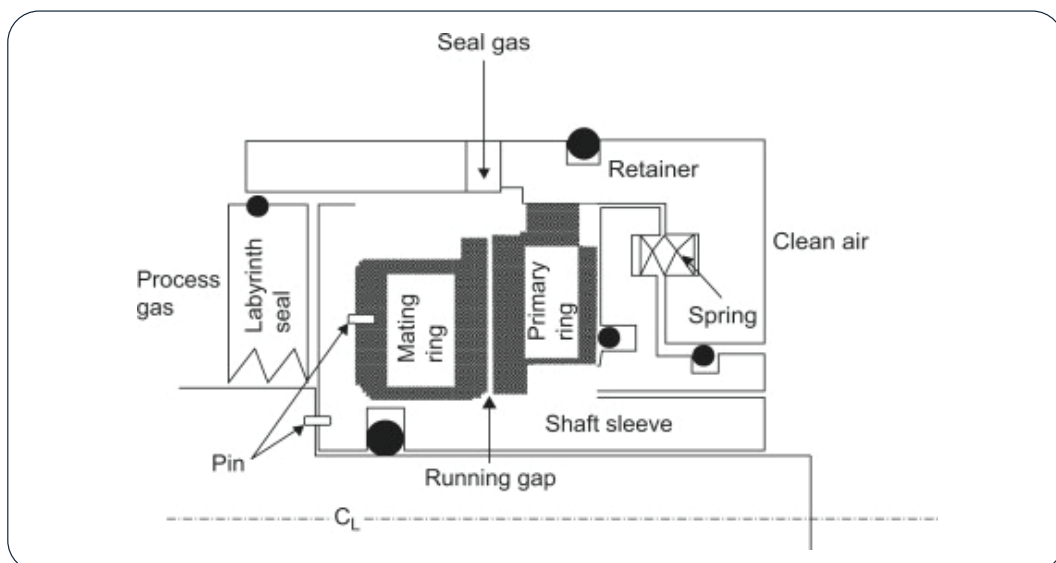


GAS SEALS



GS780

Materials	Faces	Carbon / Tungsten Carbide
	Elastomers	Viton (FKM) / Kalrez (FFKM)
	Hardwares	SS 316 / Hastelloy-B & C / Alloy-20
Operating Limits	Size	20 mm to 300 mm (3/4" to 12")
	Pressure	280 bar
	Temperature	-20 to +200 Deg. C
	Speed	3600 RPM



API 682 MECHANICAL SEALS

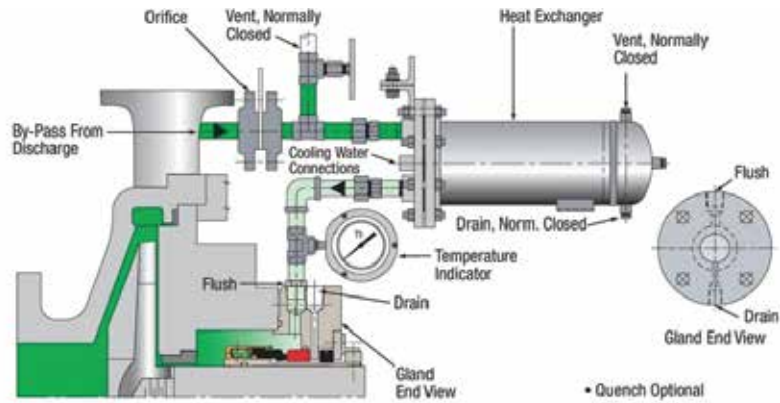


Materials	Faces	Carbon / Silicon Carbide / Tungsten Carbide
	Elastomers	Viton (FKM) / PTFE / Grafoil / Kalrez (FFKM)
	Hardwares	SS 316 / SS316L / Hastelloy-B & C / Alloy-20
Operating Limits	Size	20 mm to 300 mm (3/4" to 12")
	Pressure	28 bar
	Temperature	-20 to +350 Deg. C
	Speed	2900 RPM



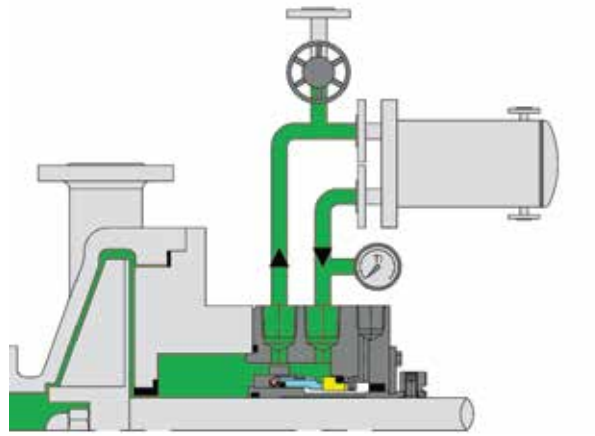
SEAL SUPPORT SYSTEMS (API PLAN)

API PLAN 21



Temperature	-20 to +180 Deg. C
Pressure	62 bar
Capacity	10.5 kW
MOC	SS 316 (Coil), CS & SS (Shell)

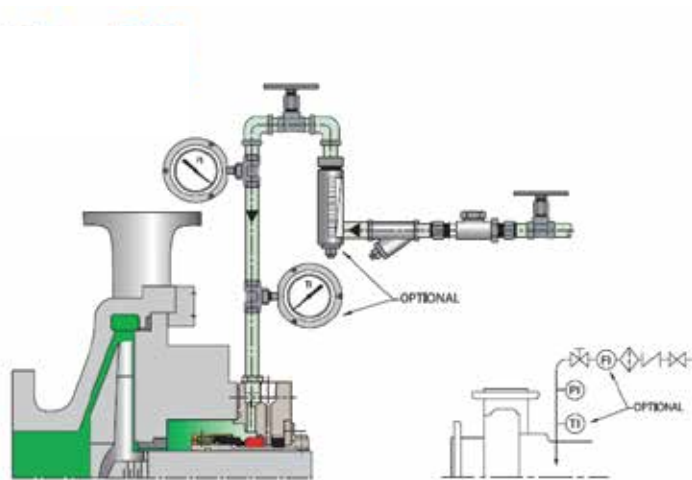
API PLAN 23



Temperature	-20 to +180 Deg. C
Pressure	62 bar
Capacity	10.5 kW
MOC	SS 316 (Coil), CS & SS (Shell)

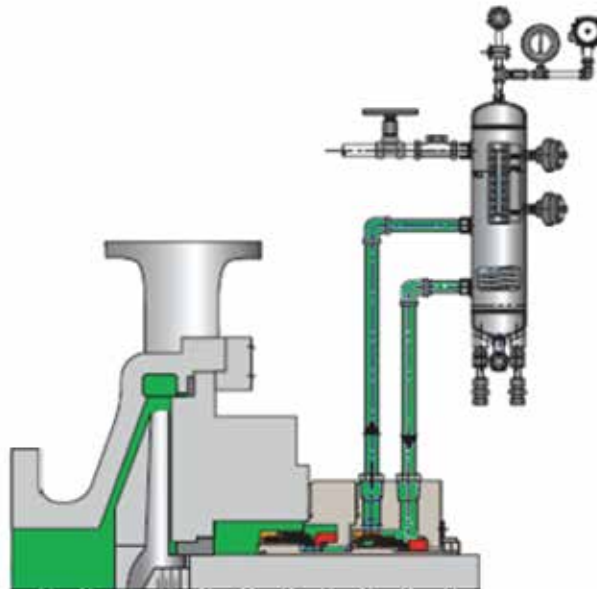
SEAL SUPPORT SYSTEMS (API PLAN)

API PLAN 32



Temperature	-20 to +140 Deg. C
Pressure	38 bar
MOC	To Suit Media

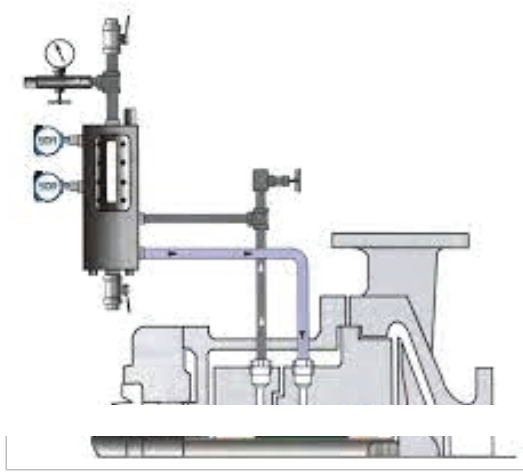
API PLAN 52



Temperature	-20 to +180 Deg. C
Pressure	32 bar
Capacity	10 kW
MOC	SS 316 (Coil), CS & SS (Shell)

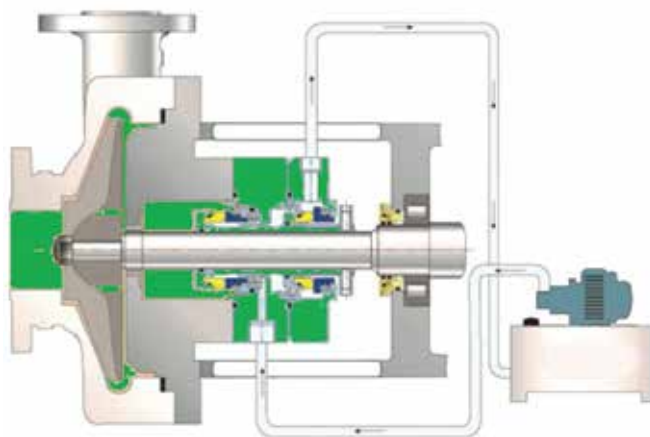
SEAL SUPPORT SYSTEMS (API PLAN)

API PLAN 53A



Temperature	-20 to +220 Deg. C
Pressure	65 bar
Capacity	8 Litres to 32 Litres
MOC	SS 316 (Coil), CS & SS (Shell)

API PLAN 54



Temperature	-20 to +300 Deg. C
Pressure	120 bar
Capacity	400 Litres
MOC	SS 316 (Coil), CS & SS (Tank)

ROTARY JOINTS



RJ1210
Single Pass



RJ1215
Double Pass



RJ1220
Double Pass



1230
Multiple Pass

Size	12 mm to 150 mm (1/2" to 6")
Temperature	-20 to +180 Deg. C
Pressure	10 bar
Speed	220 RPM
MOC	C.I. / SS 304 / SS 316

SWIVEL JOINT



Size	8 mm to 300 mm (3/8" to 12")
Temperature	-30 C to +180 Deg. C
Pressure	100 bar
MOC	CI / SS 304 / SS 316
Rotation Angle	360°

OTHER PRODUCTS



**Carbon Floating Seal Rings
(Labyrinth Seals)**



Carbon Segmented Rings



Bearing Isolators



Expansion Joints



Compression Packings



Spiral Wound Gaskets



Track Roller Seals



Oil Lubricators

INSTRUMENT VALVES



INSTRUMENT FITTINGS



MECHANICAL SEAL SERVICING (AMC & ARC)



BEFORE SERVICING



AFTER SERVICING

Due to industrial recession and growing responsibility of maintenance staff to reduce cost, we follow the concept of reconditioning of mechanical seals. By virtue of technical skill, vast experience and rational approach, we are able to provide relief to customers by reconditioning of Agitator Mechanical Seals, Single & Double Dry Mechanical Seals, Glass Lined Reactor Mechanical Seals, Single & Double Cartridge Mechanical Seals, Boiler Feed Pump Mechanical Seals, High Pressure Pipe-Line Mechanical Seals, Slurry Mechanical Seals, Cartridge and Non-Cartridge Metal Bellow Mechanical Seals, API standard Mechanical Seals, Gas Seals. We also undertake refurbishment of Rotary Joints, Seal Support Systems (Thermosyphon systems), Centrifugal Horizontal, Vertical, Metallic, Non-Metallic Pumps and Vertical Inline Pumps. We have large number of reputed customer satisfied with our services. Reports include photographic evidence, wear or damage data for key components and also the possible failure causes.

We repair all brand and styles of Mechanical Seals, during our reconditioning process the Mechanical Seals are observed, cleaned or sand blasted as required, then inspected to factory tolerance. If new faces are required, the old ones are replaced otherwise they are refinished by lapping to industry standards (2-3 light bands). The seals are re-assembled using new spring, screw and O-rings.

Refurbished Seal are dynamically tested prior to dispatch with assured life.

We also offer our services under AMC Contract.

After Sales Services;

Our engineers are trained properly to tackle all service problems effectively and promptly. We are committed to attend all service problems of our customers at a short notice and provide necessary spares immediately. Our engineers also provide training to maintenance staff of customer to handle emergencies.

Industry Wise

Paint Industries, Textile Industries, Chemical Industries, Mining & Mineral Industries, Oil & Gas Industries, Food, Dairy & Beverage Industries, Metal & Steel Industries, Petrochemical Industries, Pharmaceutical & Biotech Industries, Pulp & Paper Industries, Automotive Industries, Refining Technologies, Polymer Technologies, Biofuel Technologies, Aerospace Technologies, Scientific Technologies, Co-Generation Plants, Water & Wastewater Treatment Plants, Solvent Extraction Plants, Nuclear Power Plants, Hydro Electric Power Plants, Coal-Fired Power Plants, Diesel-Fired Power Plants, Thermal Power Plants, GeoThermal Power Plants, Gas-Fired Power Plants, Solar Power Plants, Wind Power Plants, Tidal Power Plants, Cement Plants, Corn Wet & Molasses Based Milling & Ethanol Plants, Sugar Factories & Distilleries, Marines, Shipbuilding & Transportation, Refrigeration Systems, Slurry & Infrastructure Processes.

Equipment Wise

Process Pumps, Utility Pumps, Split Casing Pumps, Boiler Feed Pumps, Condensate Extraction Pumps, Vacuum Pumps, Vertical Pumps, Turbine Pumps, Inline Pumps, Progressive Cavity Pumps (Screw Pumps), Milk & Hygienic Pumps, Gear Pumps, Turbines, Agitators (Top, Side & Bottom Entry), Agitated Nutsche Filters, Agitated Nutsche Filter Dryers, Bottom Entry Choppers, Blenders, Ribbon Blenders, V Blenders, Vacuum Blenders, Screw Conveyors, Extruders (Rotary Joints), Autoclaves, Polycondensation Autoclaves, Bio-Fermenters, Bio-Reactors, Lab Fermenters, Blowers, Hot Air Blowers, Air Classifier Blowers, FRB Blowers, Clinker Grinder, Compressor, Drying Mill, Peddle Dryers, Rotocone Dryers, Drum Dryers, Filter Dryers, Twin Shaft Screw Dryers, Vacuum Dryers, Mixers & Reactors, Ross Inline Mixers, Nauta Mixers, Plough Shear Mixers, Contra Rotary Mixers, Ball Mill Mixers, Twin Shaft Peddle Mixers, Pilot Plant Mixers, Ross Inline Mixers, Vacuum Mixers, Glass Lined Reactors, Gas Induction Reactors, Gas Induction Agitators, Gas Induction Hydro Generators, Gas Induction Turbines, Gas Roasters, Marmalade Cookers, Ice Cream Machines, Homogenizers, High Speed Dispersers, Hydro Turbines, Hydrogenations Plants, Impact Mills, Jet Mills, Multi Mills, Balls / Sand / Colloid / Beed Mills, Paint Mills, Pin Mills, Roller Mills, Turbo Mills, Industrial Photo Reactors, Laboratory Mixer, Lump breakers for RCVD, Pulp Pressure Screens, Rotary Valves, Rotary Kiln Sealing Systems, Steam Turbines, Tunnel Drilling Machines & Vacuum Processing Units.

Our product design is customized to suit the following Pump Make & Models

1. Micro Finish : OK, 1K, 2K & 3K
2. SPX Johnson : KGEN, CN, FRE & CCR all units.
3. KSB (Single Stage) : Mega-Chem, CPK, MCPK, Etanorm & Etaline
(Multi-Stage) HDA, HGC, WK, WL & WKL
4. Kirlosker : KPD, DB, CE, CPHM, SHM, SHL, MF, UP, RKB & BHR
5. Flowserve : CPX, CPXR, CPXN, CPXP, MEN &
6. Sintech : UMOR, UMHQ, SWP, SSHQ, SMF, SCS, CPS & CPSQ
7. Investa: : SCP-LC, SCP-SM, SCP-MD, SCP-LT, SCP-XT, STR, MTR, LTR, XTR, CIP, XIP, XNP & STP
8. SULZER : CZ, CPT, ZE, MBN & MC
9. Mather + Platt : ETN ISO, ET, PN, SD-SN & RNPB
10. PSP : A, D, HD, P, SC & Vacuum pumps
11. Grundfos : CR, CM, CH, NB, NK, TP & HS Series.
12. ROTO : Progressive Cavity Pumps & Screw Pumps
13. PPI : Vacuum Pumps
14. Other Makes : Sam Turbo, Kishore, Gita, Wilo, Flow More, Antico, Leak Proof (Rajedia), JEE, Moniba, Process, Chemlin, AK, Ebara, Flygt, Fristam, IDMC, Lowara, & CNP's Limited Models.



Gipfel[®]
Engineering

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