



SINCE 1999

ROTARY EQUIPMENT MECHANICAL SEALS

Component & Cartridge Mechanical Seals For Pumps,  
Compressors, Agitators & Similar Applications



Excellence  Envision  Novel

**ROLON SEALS** incorporated in the year 1999, is India's leading manufacturer of Mechanical seals. Our company pioneers in Designing, Manufacturing and Distribution of precision engineered Mechanical seals and sealing systems. We have set bench marks on performance, cost and service in our line of products and services offered by us. Our philosophy while attending a seal requirement has been to develop and supply spares for seals giving good performance or develop alternative design to enhance seal performance.

For years, we as evolved leaders of engineered sealing solution provider, has sought to take sealing technology to new heights. We constantly update our technologies exceeding and surpassing customer expectations and industry standards. Seals are manufactured conforming to API and DIN standards. We are equipped with sufficient stock of spares which can be delivered ex-stock for all popular models working across the globe.

Our factory is located at Hyderabad – INDIA on a 50,000 sq.ft. Area with well designed workshop / CNC machines, Quality Assurance equipment, Inventory (stores) with more than 15,000 components. We have a PAN India presence with 22 branch offices in all major locations catering to industries like, Bulk Drugs, Pharma, Herbal, Biotech, Chemicals, Dyes, Paper & Pulp, Food & Dairy, Beverages, Paint, Auto Mobile & White Goods Paint Shops, Hydro Electric, Thermal, Atomic, Gas, Nuclear Power Plants, Veg Oil, Fatty Acid & Cosmetic Plants, Chloro-Alkali, Caustic, Chlorine, Fertilizers, Pesticides, Oil Refineries, Petro Chemicals, Textile, Polyester Plants, Leather Chemicals, Water & Sewage, Water Treatment, Desalination, Effluent Treatment, Refrigeration, Railways, Shipping & Submarine, Aluminum, Coal, Manganese, Iron & Mineral Extraction, Metal & Process Industries.

Rolon supply seals for Pumps, Agitators - Top, Bottom & Side entry, Metal Reactors, Glass lined Reactors, RCVD, RVD, ANF, ATFD, Centrifuge, Compressor, Screens & Mixers like, York, Modu, Scaba, Valmet, Metso, GMM, Swiss GlassCoat, Dietrich, NILE, EKATO, Chemineer, Rath Lightening, Sortoris, Garboneta, BHEL Compressor, OMEGA Chemex, Dipesh Engg, HL Engg, Bifriends, CPK Engg, Hiranya, Hyd Metechem, Surya Equipments, MOJJ Engg, Thermotech, Shilpi Process.

Rolon Seals suit ANSI, ISO, DIN & API standard pumps like, Ahlstrom, Andritz, Akay, Alekton, Alfa Helical, Abiramipulp, Airauto, Airovac, Allweiler, Ansha, Auro, Antico, ABS SCAN, Beaconweir, BPCL, Boremann, BHEL-WEIR, BHEL-KHI, Calama, CPV, Durco, Devi Hi-Tech, Entity, EBARA, Flouoline, Greaves, Graphite Vicarb, Henab, Hk Industries, HMT, Hydro Prokav, Hydrovac, Hy-Vac, IMO, Investa, Indian Dairy, ITT Goulds, Ingersol Rand / Flowserve, Iron Max Flow, JEC, Jyothi, Kakati Karshak, Kishore, Khimline Sulzer, Kamyar, Kirloskar Brothers, KPCL, KSB, Movi32, Mono, Mather Platt, Microfinish, Moniba, Naga, NEMO, PPI, PCM, Prakash Gear, Process, Pullen, Raje Dia, Roto Del, Roto, Sam Turbo, SMD, Stork Johnson, SU Motor, Subodh Engg, SEARLA, Sunds, Sulzer, Tritex Engg, Tushaco Allweiler, TEAM, Titanium & Tantalum, Worthington, WEIR.

Special Seals have been developed to suit Alfa Laval, Fristam, Pharma Lab, BE, Heliege, KSB Movi Chrome, Grundfos, Ahlstrom, Sunds, Sundyne, Black Clawson, Ekato & Dietrich.

#### REFURBISHMENT OF MECHANICAL SEALS

Rolon Seals have Refurbished, Re-Engineered & Indegenised the following models of multinational brands like JOHNCRANE, SEALOL, SAFEMATIC, FLEXIBOX, EAGLE, BURGMANN, TIIVISTE, FLOWSERVE, DURAMETALLIC, BORGWARNER, PACIFIC, CHESTERTON, AES & PILLAR.

**JOHNCRANE** : T88, 1648, 2648, 3648, 502, 58U/B, 109, 515, 586.

**DURAMETALLIC/FS** : RA, BRT, BPT, DRO/DROTT, PO/PTO, SIRO/SIROTT, ARO/AROTT, X-201, VO, VRA, P-50, P-200, SL-5200, SBPT & SBPO.

**SEALOL/EAGLE** : 1500 Series/E-Series, 1000 Series / P-Series, 3001/E21, 659/Y29, Slurry/SL, HP1, EK 700, Type 43/560, 605/680-Y13/Y18, DR1 & AG1.

**BURGMANN** : HHSL-D, HSL-D, Cartex-DE, M42777G-D, HJ92N, MG1, M74D, MRD, M32N & M85L.

**SAFEMATIC** : SAF, SB1/SB2, SE1/SE2.

**AESSEAL** : CDM, CURC/CSM, CCS, DMSF.

**CHESTORTON** : 155, 156, 180, 255, 280, 491, 891.

**BLACK CLAWSON** : Ultra Screen 200/300 VSB & 400 VSB.

**TIIVISTE** : LP-D.








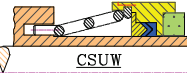


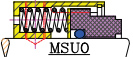
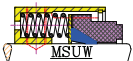







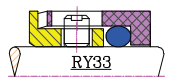

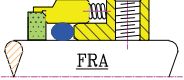
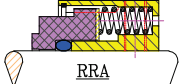


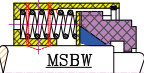

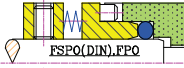
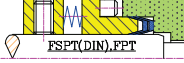







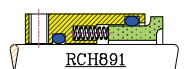


**BORGWARNER/FS** : QB, BX, MW-200, MD-200, ISC1/2

## COMPONENT SEALS - BELLOW TYPE

 <p>RB10</p>	RUBBER BELLOW SEALS	<p>Inside Mounted, Rubber Bellow Size: 3/8" to 1" Pressure: 5 Kg/Sq.Cm (Max.) Temperature: -20 to 100° C Water, Oil, Domestic, Agri, Coolant Pumps.</p>	
		<p>Inside Mounted, Rubber Bellow Size: 06mm to 70mm Pressure: 5 Kg/Sq.Cm (Max.) Temperature: -20 to 100° C Water, Oil, Domestic, Agri, Coolant Pumps.</p>	
		<p>Inside Mounted, Rubber Bellow Size: 12mm to 70mm / 0.5" to 3" Pressure: 5 Kg/Sq.Cm (Max.) Temperature: -20 to 100° C Light Liquids, Water, Oil</p>	
		<p>Inside Mounted, Rubber Bellow Size: 10mm to 100mm / 0.375" to 4" Pressure: 10 Kg/Sq. Cm (Max.) Temperature: -20 to 100° C Light Liquids, Water, Oil, Weakly Corrosive Liquids.</p>	
		<p>Inside Mounted, Rubber Bellow Size: 14mm to 100mm Pressure: 16 Kg/Sq. Cm (Max.) Temperature: -20 to 100° C Light Liquids, Water, Oil, Weakly Corrosive Liquids.</p>	
		<p>Inside Mounted, Rubber Bellow Size: 14mm to 100mm Pressure: 16 Kg/Sq. Cm (Max.) Temperature: -20 to 100° C Light Liquids, Water, Oil, Weakly Corrosive Liquids.</p>	
 <p>TBSG</p>	TEFLON BELLOW SEALS	<p>Outside Mounted, Reverse Balanced, Teflon Bellow Size: 2mm to 150mm / 1" to 4" Pressure: 5 Kg/Sq.Cm (Max.) Temperature: -20 to 100° C Corrosive Liquids, Hydro Chloric, Sulphuric, Nitric, Phosphoric Acids</p>	
		<p>Outside Mounted, Reverse Balanced, Teflon Bellow Replaceable Face: Sic, Car Size: 25mm to 100mm / 1" to 4" Pressure: 5 Kg/Sq.Cm (Max.) Temperature: -20 to 100° C Corrosive Liquids, Hydro Chloric, Sulphuric, Nitric, Phosphoric Acids</p>	
		<p>Outside Mounted, Reverse Balanced, Teflon Bellow Size: 25mm to 100mm / 1" to 4" Pressure: 5 Kg/Sq.Cm (Max.) Temperature: -20 to 100° C Corrosive Liquids, Hydro Chloric, Sulphuric, Nitric, Phosphoric Acids</p>	
		<p>Outside Mounted, Reverse Balanced, Teflon Bellow Replaceable Face: Sic Size: 25mm to 100mm / 1" to 4" Pressure: 5 Kg/Sq.Cm (Max.) Temperature: -23 to 100° C Corrosive Liquids, Hydro Chloric, Sulphuric, Nitric, Phosphoric Acids</p>	
 <p>FBO</p>	METAL BELLOW SEALS	<p>Inside Mounted, Balanced, Metal Formed Bellow Size: 25mm to 100mm / 1" to 4" Pressure: 16 Kg/Sq. Cm (Max.) Temperature: -20 to 200° C Petro &amp; Gen Chemicals, Light Slurries, Veg Oils, Hydrocarbons</p>	
		<p>Inside Mounted, Balanced, Metal Formed Bellow With Non Dynamic Elastomer Size: 25mm to 100mm / 1" to 4" Pressure: 20 Kg/Sq. Cm (Max.) Temperature: -23 to 200° C Petro &amp; Gen Chemicals, Light Slurries, Veg Oils, Hydrocarbons</p>	
		<p>Inside Mounted, Balanced, Metal Formed Bellow With Graphite Packing for high temperatures Size: 25mm to 100mm / 1" to 4" Pressure: 20 Kg/Sq. Cm (Max.) Temperature: -23 to 350° C Petro &amp; Gen Chemicals, Light Slurries, Veg Oils, Hydrocarbons</p>	
		<p>Inside Mounted, Balanced, Metal Bellow Stationary With Graphite Packing for high temperatures &amp; vacuum appl. Size: 25mm to 100mm / 1" to 4" Pressure: 20 Kg/Sq. Cm (Max.) Temperature: -23 to 350° C Petro &amp; Gen Chemicals, Light Slurries, Veg Oils, Hydrocarbons</p>	
		<p>Inside Mounted, Balanced, Metal Bellow Integral Sleeve with Grafoil Packing for High Temperature Liquids, Thermic Fluid Size: 25mm to 100mm / 1" to 4" Pressure: 20 Kg/Sq. Cm (Max.) Temperature: -23 to 350° C</p>	



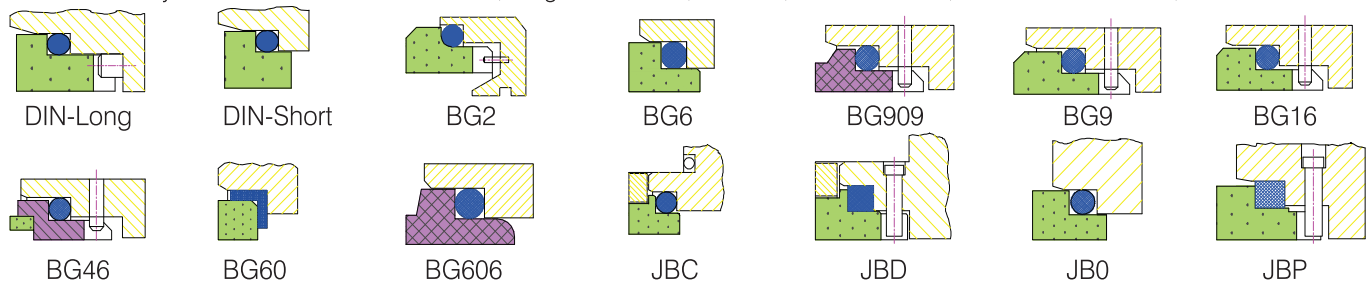
## COMPONENT SEALS - SINGLE PUSHER

SINGLE INSIDE UNBALANCED	 <p>SSUO</p>  <p>SSUW</p>	<p>Single Spring, Inside Mounted, Unbalanced            Size: 20mm to 100mm / 0.75" to 4"            Pressure: 10 Kg/Sq.Cm (Max.) Temperature: -23 to 200° C            Petro Chemicals, General Chemicals, Light Slurries, Vegetables Oils.</p>	 
	 <p>RY155</p>	<p>Conical Spring, Inside Mounted, Unbalanced            Size: 10mm to 40mm            Pressure: 8 Kg/Sq.Cm (Max.) Temperature: -20 to 150° C            Water, Solvents, General Chemicals, Clear Liquids.</p>	
	 <p>CSUO</p>  <p>CSUW</p>	<p>Conical Spring, Inside Mounted, Unbalanced            Size: 15mm to 75mm / 0.625" to 3"            Pressure: 10 Kg/Sq.Cm (Max.) Temperature: -23 to 200° C            Water Solvents, General Chemicals, Clear Liquids.</p>	 
	 <p>MSUO</p>  <p>MSUW</p>	<p>Multi Spring, Inside Mounted, Unbalanced            Size: 20mm to 150mm / 0.75" to 6"            Pressure: 10 Kg/Sq.Cm (Max.) Temperature: -23 to 200° C            Petro Chemicals, General Chemicals, Clear Liquids, Light HydroCarbons.</p>	 
	 <p>FSRO(DIN),FRO</p>  <p>FSRT(DIN),FRT</p>	<p>Multi Spring, Inside Mounted, Unbalanced            Size: 16mm to 115mm / 0.375" to 4.500"            Pressure: 10 Kg/Sq.Cm (Max.) Temperature: -23 to 200° C            Water Solvents, General Chemicals, Clear Liquids.</p>	
	 <p>RM7N</p>	<p>Wave Spring, Inside Mounted, Unbalanced            Size: 14mm to 200mm            Pressure: 10 Kg/Sq.Cm (Max.) Temperature: -50 to 200° C            Water Solvents, General Chemicals, Clear Liquids.</p>	
	 <p>RY33</p>	<p>Wave Spring, Inside Mounted, Unbalanced            Size: 16mm to 75mm / 1.000" to 3.000"            Pressure: 8 Kg/Sq.Cm (Max.) Temperature: -20 to 150° C            Water, Oil, Solvents, Clear Liquids.</p>	
	 <p>FRA</p>  <p>RRA</p>	<p>Multi Spring, Outside Mounted, Reverse Balanced            Size: 20mm to 100mm / 0.75" to 4"            Pressure: 10 Kg/Sq.Cm (Max.) - Vacuum            Temperature: -23 to 150° C            Black Liquor, Salt Slurries, Corrosive Chemicals.</p>	
	 <p>MSBO</p>  <p>MSBW</p>	<p>Multi Spring, Inside Mounted, Balanced            Size: 20mm to 150mm / 0.75" to 6"            Pressure: 40 Kg/Sq.Cm (Max.)            Temperature: -23 to 200° C            Petro Chemicals, General Chemicals,            Clear Liquids, Light HydroCarbons.</p>	
	 <p>FSPQ(DIN),FPQ</p>  <p>FSPT(DIN),FPT</p>	<p>Multi Spring, Inside Mounted, Balanced            Size: 16mm to 115mm / 0.375" to 4.500"            Pressure: 40 Kg/Sq.Cm (Max.) Temperature: -23 to 200° C            Petro Chemicals, General Chemicals,            Clear Liquids, Light HydroCarbons.</p>	
SINGLE INSIDE BALANCED	 <p>RH75</p>	<p>Multi Spring, Inside Mounted, Balanced            Size: 14mm to 200mm / 0.375" to 4.500"            Pressure: 40 Kg/Sq.Cm (Max.) Temperature: -50 to 200° C            Petro Chemicals, General Chemicals, Clear Liquids, Light HydroCarbons.</p>	
	 <p>SOOC</p>	<p>Spring, Out of Contact, Inside Mounted, Balanced Hydraulically Balanced Seal Face            Size: 20mm to 100mm / 0.75" to 4"            Pressure: 20 Kg/Sq.Cm (Max.) Temperature: -23 to 200° C            Petro Chemicals, General Chemicals, Light HydroCarbons.</p>	
	 <p>RHJ92</p>	<p>Wave Spring, Inside Mounted, Balanced            Size: 18 mm to 100mm / 0.75" to 4"            Pressure: 20 Kg/Sq.Cm (Max.) Temperature: -50 to 200° C            Petro Chemicals, General Chemicals, Light HydroCarbons.</p>	
	 <p>RCH89I</p>	<p>Multi Spring, Inside Mounted, Balanced            Size: 18mm to 100mm Pressure: 22 Kg/Sq.Cm (Max.) Temperature: -50 to 200° C            Sugar, Paper Sewage, Waste Water.</p>	
	 <p>RHRN</p>	<p>Multi Spring, Inside Mounted, Balanced to suit DIN Cavity            Size: 18mm to 100mm Pressure: 16 Kg/Sq.Cm (Max.) - Vacuum Temperature: -20 to 160° C            Water, Solvents, General Chemicals, Clear Liquids.</p>	

# STATIONARY FACES FOR COMPONENT SEALS

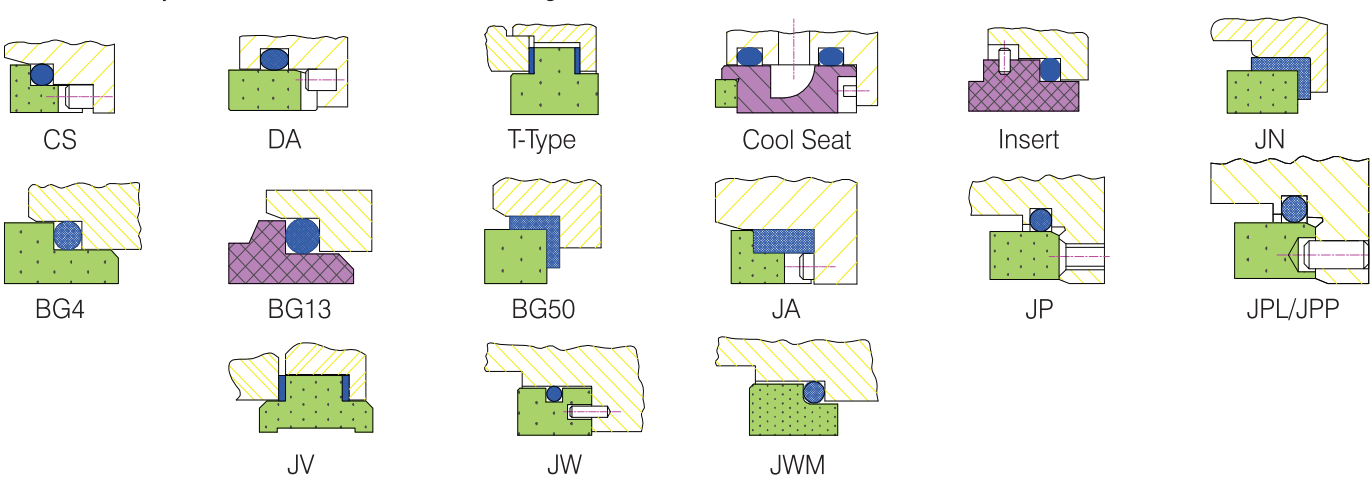
## DIN CAVITY

Stationary Seat materials include Ni-Resist, Tungsten Carbide, Ceramic, Silicon Carbide, Crome Oxide Coated, Carbon etc.



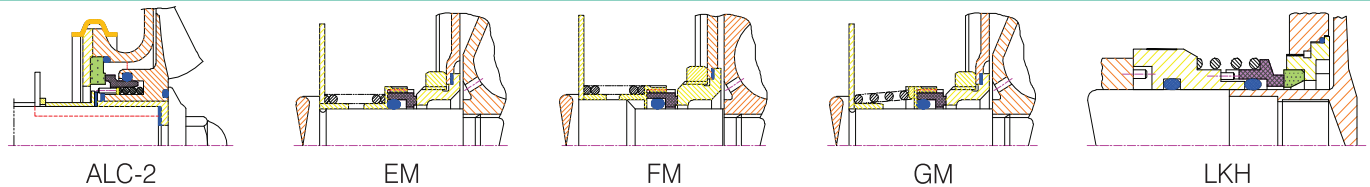
## NON-DIN CAVITY

Stationary Seat materials include Ni-Resist, Tungsten Carbide, Ceramic, Silicon Carbide, Crome Oxide Coated, Carbon etc.



## SPECIAL PUMP SEALS

### ALFA LAVAL

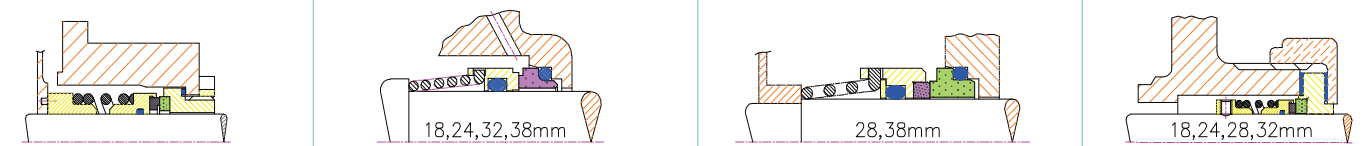


### PHARMA LAB

### I D M C

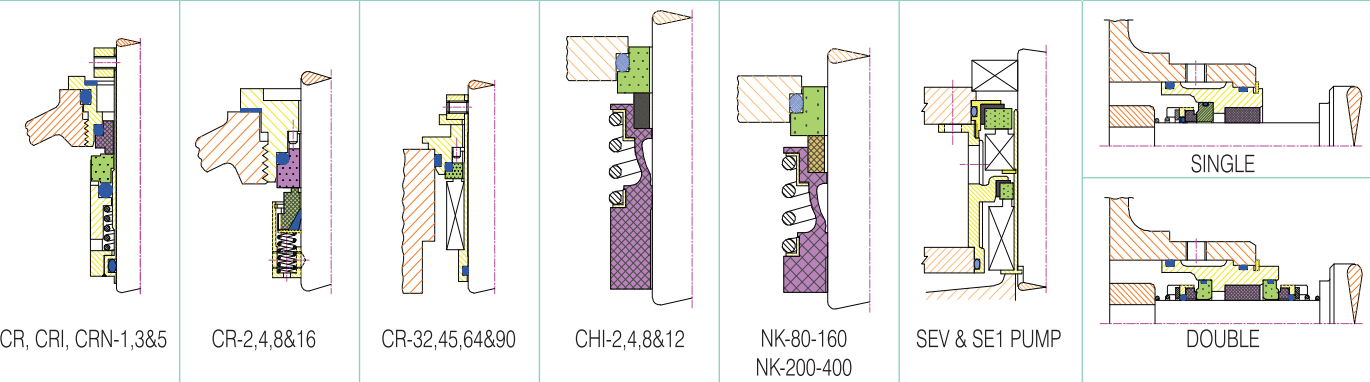
### HIELGE

### BE

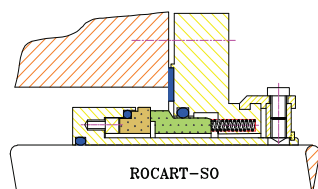


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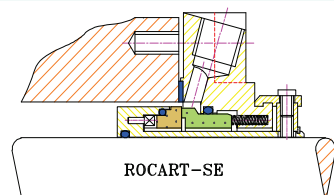
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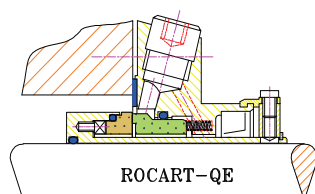
## CARTRIDGE SEALS



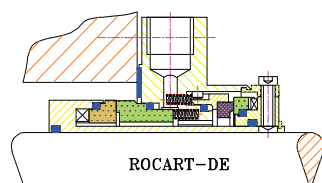
Cartridge, Inside Mounted, Multi Spring, Balanced  
Without Flushing Plan  
Size: 25mm to 100mm / 1.000" to 4.000"  
Pressure: 25 kg/Sq.Cm (Max.)  
Temperature: -40 to 220° C  
Water, Chemical, Power, Pharma, Light HydroCarbons.



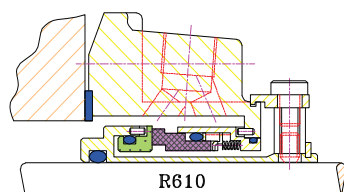
Cartridge, Inside Mounted, Multi Spring, Balanced  
With Flushing Plan 11  
Size: 25mm to 100mm / 1.000" to 4.000"  
Pressure: 25 kg/Sq.Cm (Max.)  
Temperature: -40 to 220° C  
Water, Chemical, Power, Pharma, Light HydroCarbons.



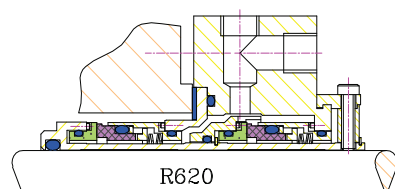
Cartridge, Inside Mounted, Multi Spring, Balanced  
With Flushing Plan 11, 62  
Size: 25mm to 100mm / 1.000" to 4.000"  
Pressure: 25 kg/Sq.Cm (Max.)  
Temperature: -40 to 220° C  
Water, Chemical, Power, Pharma.



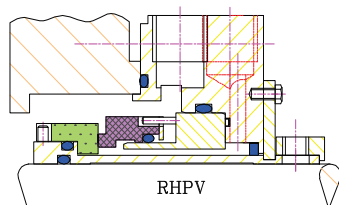
Cartridge, Inside Mounted, Multi Spring, Double  
Seal with Dual Balanced, with Plan 52 / 54.  
Size: 25mm to 100mm / 1.000" to 4.000"  
Pressure: 25 kg/Sq.Cm (Max.)  
Temperature: -40 to 220° C  
Water, Chemical, Power, Pharma.



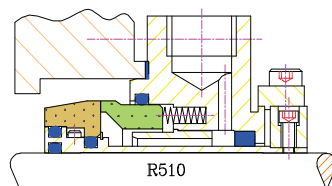
Cartridge, Inside Mounted, Multi Spring, Balanced  
With Flushing Plan 11  
Size: 25mm to 100mm / 1.000" to 4.000"  
Pressure: 25 kg/Sq.Cm (Max.)  
Temperature: -40 to 220° C  
Water, Chemical, Power, Pharma.



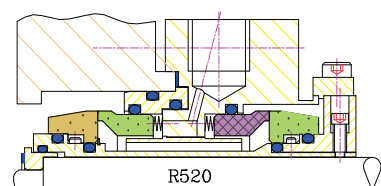
Cartridge, Inside Mounted, Multi Spring, Double  
Seal with Dual Balanced, with Plan 52 / 54  
Size: 25mm to 100mm / 1.000" to 4.000"  
Pressure: 25 kg/Sq.Cm (Max.)  
Temperature: -40 to 220° C  
Water, Chemical, Power, Pharma.



Cartridge, Inside Mounted, Multi Spring, Balanced  
Used for High Pressure Application  
Size: 1.500" to 7.000"  
Pressure: 103 kg/Sq.Cm (Max.)  
Temperature: -40 to 204° C  
Boiler Feed Water Application.

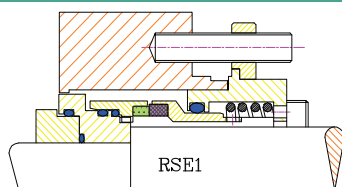


Cartridge, Inside Mounted, Multi Spring, Balanced  
Slurry Seal  
Size: 28mm to 152mm / 1.125" to 6.000"  
Pressure: 20 kg/Sq.Cm (Max.)  
Temperature: -40 to 177° C  
Paper & Pulp, Textile Industry.

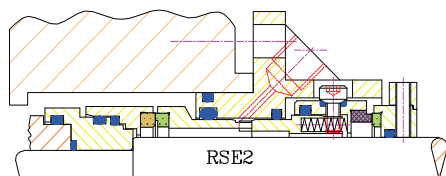


Cartridge, Double Back to Back, Multi Spring, Balanced  
Slurry Seal  
Size: 28mm to 152mm / 1.125" to 6.000"  
Pressure: 20 kg/Sq.Cm (Max.)  
Temperature: -40 to 177° C  
Paper & Pulp, Textile Industry.

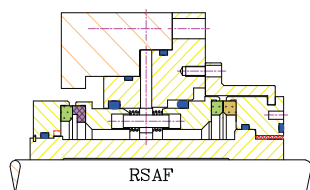
## CARTRIDGE SEALS



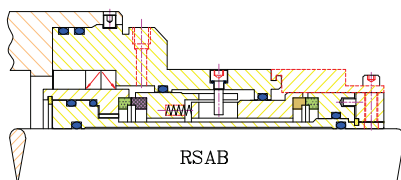
Inside Mounted, Single Spring, Balanced  
Slurry Seal  
Size: 25mm to 125mm / 1.000" to 5.000"  
Pressure: 15 kg/Sq.Cm (Max.)  
Temperature: -40 to 120° C  
Paper & Pulp, Power Plant.



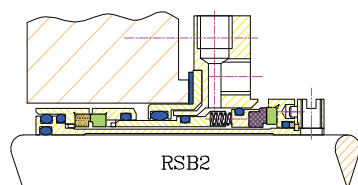
Double Balanced, Dual Cartridge Slurry Seal  
Size: 20mm to 125mm / 1.000" to 5.000"  
Pressure: 15 kg/Sq.Cm (Max.)  
Temperature: -40 to 180° C  
Paper & Pulp, Power Plant, Board Mill.



Double Balanced, Dual Cartridge Slurry Seal  
Size: 25mm to 125mm / 1.000" to 5.000"  
Pressure: 20 kg/Sq.Cm (Max.)  
Temperature: -40 to 120° C  
Paper & Pulp, Power Plant, Board Mill.

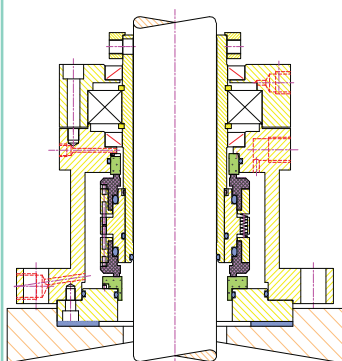


Double Balanced, Dual Cartridge Slurry Seal  
Size: 25mm to 125mm / 1.000" to 5.000"  
Pressure: 20 kg/Sq.Cm (Max.)  
Temperature: -40 to 180° C  
Paper & Pulp, Power Plant, Board Mill.



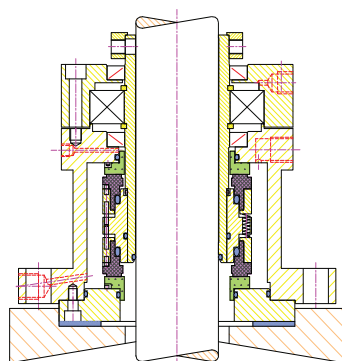
Double Balanced Dual Cartridge Slurry Seal  
Size: 25mm to 125mm / 1.000" to 5.000"  
Pressure: 20 kg/Sq.Cm (Max.)  
Temperature: -40 to 200° C  
Paper & Pulp, Power Plant, Board Mill.

## SPECIAL SEALS



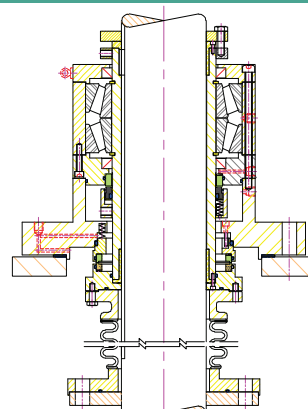
### MODULAR

Modular Contacting Seal  
for Agitators.  
Size: 50 to 250mm  
Pressure: Vac. to 35 Bar.  
Temperature: -40 to 200° C



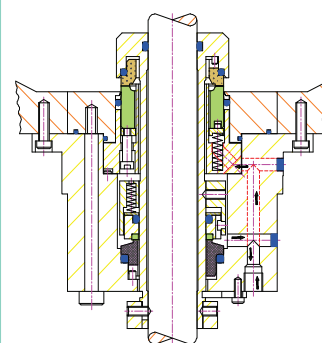
### MODULAR

Modular Non-Contacting  
Lift Off Seal for Agitators.  
Size: 50 to 250mm  
Pressure: Vac. to 6.7 Bar.  
Temperature: -40 to 200° C



### ANF SEALS

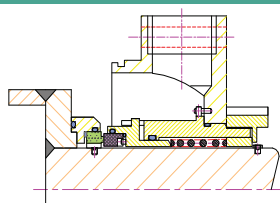
Seal for Agitated Nutsche  
Filter (ANF)  
Size: 60 to 250mm  
Pressure: Vac. to 6.7 Bar.  
Temperature: -40 to 200° C



### BOTTOM ENTRY DILUTOR

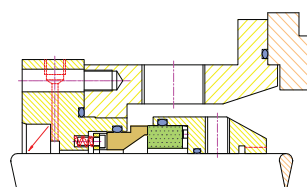
Bottom Entry Reactor  
Seal (RMRD)  
Filter (ANF)  
Size: 60 to 250mm  
Pressure: Vac. to 35 Bar.  
Temperature: -40 to 200° C

## SEALS FOR VOTATOR / PERFECTOR



### Seal for Votator / Perfector

Size: 45 to 150mm  
Pressure: Vac. to 40.0 Bar.  
Temperature: -40 to 200° C  
Vegetable Oil Plant



### Seal for Votator / Perfector

Size: 45 to 150mm  
Pressure: Vac. to 40.0 Bar.  
Temperature: -40 to 200° C  
Vegetable Oil Plant

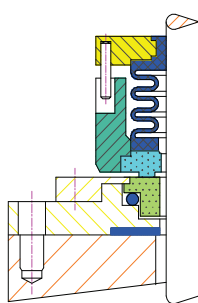


## STAINLESS STEEL REACTOR

### TEFLON BELLOW SEAL

Model: DS-TB

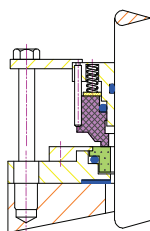
Size: 25mm to 100mm  
Pressure: Vac. to 5 kg/Sq. Cm  
Temperature: 150° C  
Speed: 150 RPM



### DRY SEAL

Model: DS

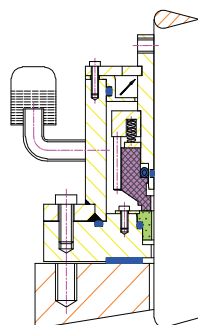
Size: 25mm to 200mm  
Pressure: Vac. to 12 kg/Sq. Cm  
Temperature: 150° C  
Speed: Upto 200 RPM



### DRY SEAL WITH HOUSING

Model: DS+H

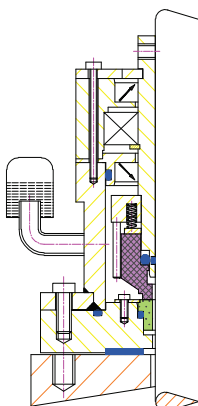
Size: 25mm to 200mm  
Pressure: Vac. to 12 kg/Sq. Cm  
Temperature: 150° C  
Speed: Upto 200 RPM



### DRY SEAL WITH HOUSING & BEARING

Model: DS+H+B

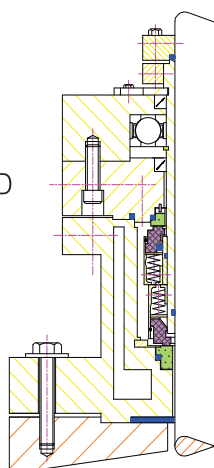
Size: 20mm to 200mm  
Pressure: Vac. to 12 kg/Sq. Cm  
Temperature: 150° C  
Speed: Upto 200 RPM



### DOUBLE SEAL BALANCED / UN-BALANCED

Model: DMS-U/B

Size: 20mm to 200mm  
Pressure: Vac. to 40 kg/Sq. Cm  
Temperature: -25 to 250° C  
Speed: Upto 300 RPM

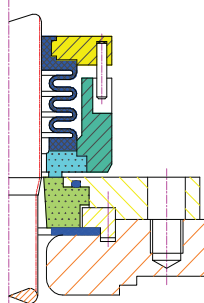


## GLASS LINED REACTORS

### TEFLON BELLOW SEAL

Model: GDS-TB

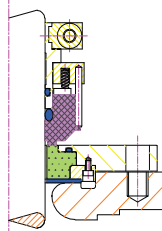
Size: 40mm to 140mm  
Pressure: Vac. to 5 kg/Sq. Cm  
Temperature: 150° C  
Speed: 150 RPM



### DRY SEAL

Model: GDS

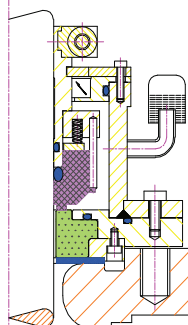
Size: 40mm to 140mm  
Pressure: Vac. to 12 kg/Sq. Cm  
Temperature: 150° C  
Speed: Upto 200 RPM



### DRY SEAL WITH HOUSING

Model: GDS+H

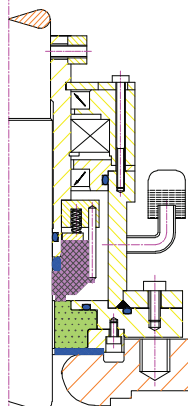
Size: 40mm to 140mm  
Pressure: Vac. to 12 kg/Sq. Cm  
Temperature: 150° C  
Speed: Upto 200 RPM



### DRY SEAL WITH HOUSING & BEARING

Model: GDS+H+B

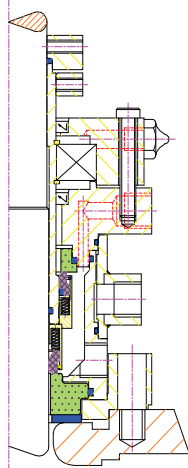
Size: 40mm to 140mm  
Pressure: Vac. to 12 kg/Sq. Cm  
Temperature: 150° C  
Speed: Upto 200 RPM



### DOUBLE SEAL BALANCED / UN-BALANCED

Model: GDMS-U/B

Size: 40mm to 140mm  
Pressure: Vac. to 40 kg/Sq. Cm  
Temperature: -25 to 250° C  
Speed: Upto 300 RPM

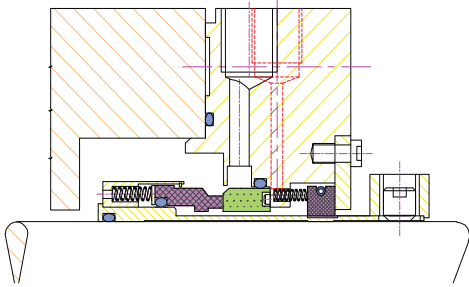


AGITATOR SEALS



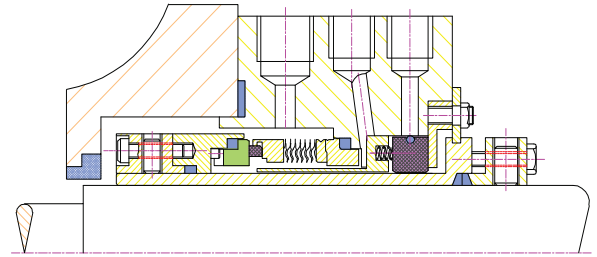
# API SEALS

**TYPE - A ARRANGEMENT - 1**



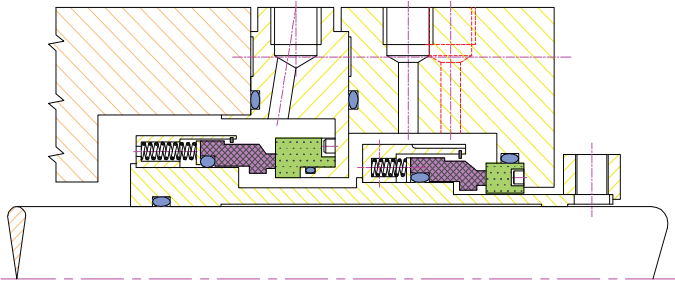
Balanced Single Inside Mounted, Cartridge Design  
Size: 20mm to 110mm / 0.750" to 4.250"  
Pressure: Vacuum to 42.0 Bar (Max.)  
Temperature: -40 to 176° C  
Refinery, Petrochemical, Power Plant

**TYPE - C ARRANGEMENT - 1**



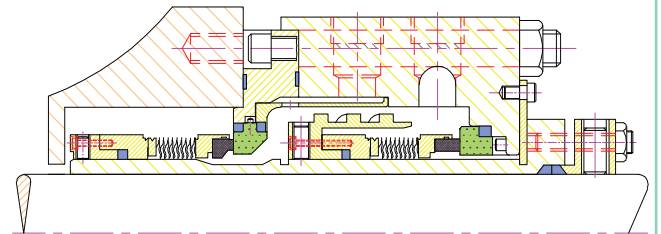
Balanced Single Inside Mounted, Cartridge Flexible Element Stationary With Graphite Packing  
Size: 20mm to 110mm / 0.750" to 4.250"  
Pressure: Vacuum to 20.0 Bar (Max.)  
Temperature: -40 to 400° C  
Refinery, Petrochemical, Power Plant, Thermic Fluid.

**TYPE - A ARRANGEMENT - 2**



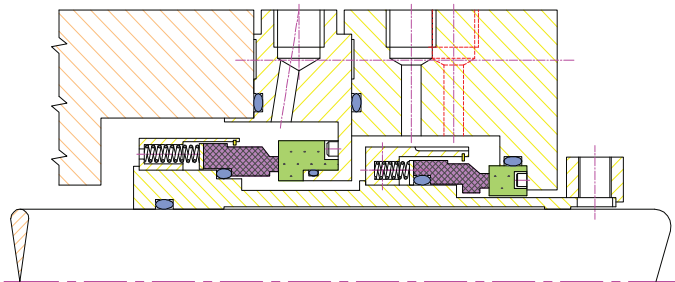
Balanced Dual Unpressurised Cartridge Design  
Size: 20mm to 110mm / 0.750" to 4.250"  
Pressure: Vacuum to 42.0 Bar (Max.)  
Temperature: -40 to 176° C  
Refinery, Petrochemical, Power Plant

**TYPE - C ARRANGEMENT - 2**



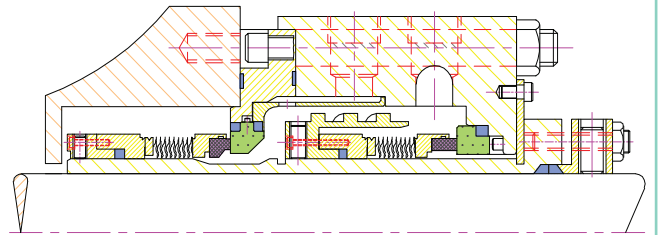
Balanced Dual Unpressurised Cartridge  
Size: 20mm to 110mm / 0.750" to 4.250"  
Pressure: Vacuum to 20.0 Bar (Max.)  
Temperature: -40 to 400° C  
Refinery, Petrochemical, Power Plant, Thermic Fluid.

**TYPE - A ARRANGEMENT - 3**



Balanced Dual Pressurised Cartridge Design  
Size: 20mm to 110mm / 0.750" to 4.250"  
Pressure: Vacuum to 42.0 Bar (Max.)  
Temperature: -40 to 176° C  
Refinery, Petrochemical, Power Plant

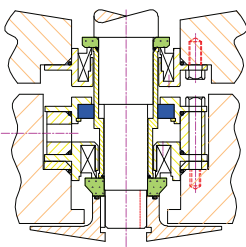
**TYPE - C ARRANGEMENT - 3**



Balanced Dual Pressurised Cartridge  
Size: 20mm to 110mm / 0.750" to 4.250"  
Pressure: Vacuum to 20.0 Bar (Max.)  
Temperature: -40 to 400° C  
Refinery, Petrochemical, Power Plant, Thermic Fluid.

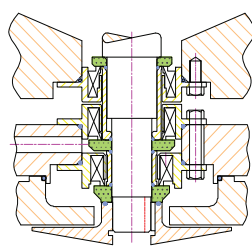
**SUNDYNE LMV & LMC - 311, 322**

**SUNDYNE FMP - 1NPB**



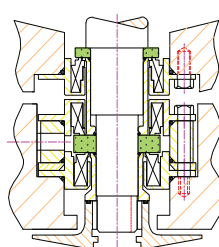
**SINGLE SEAL**

Size: 1.250" to 1.500"  
Pressure: Upto 53.0 Bar  
Temperature: -40 to 204° C  
Speed: Upto 18,000 rpm



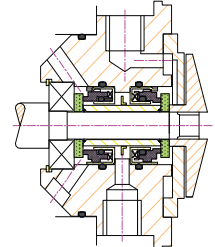
**DUAL UNPRESSURISED SEAL**

Size: 1.250" & 1.500"  
Pressure: Upto 53.0 Bar  
Temperature: -40 to 204° C  
Speed: Upto 18,000 rpm



**DUAL PRESSURISED SEAL**

Size: 1.250" & 1.500"  
Pressure: Upto 53.0 Bar  
Temperature: -40 to 204° C  
Speed: Upto 18,000 rpm

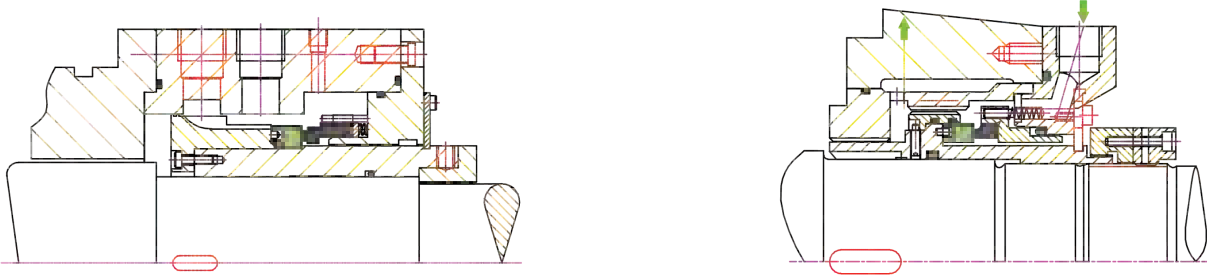


**DOUBLE SEAL**

Size: 0.375  
Pressure: Upto 16.0 Bar  
Temperature: -40 to 204° C  
Speed: Upto 18,000 rpm

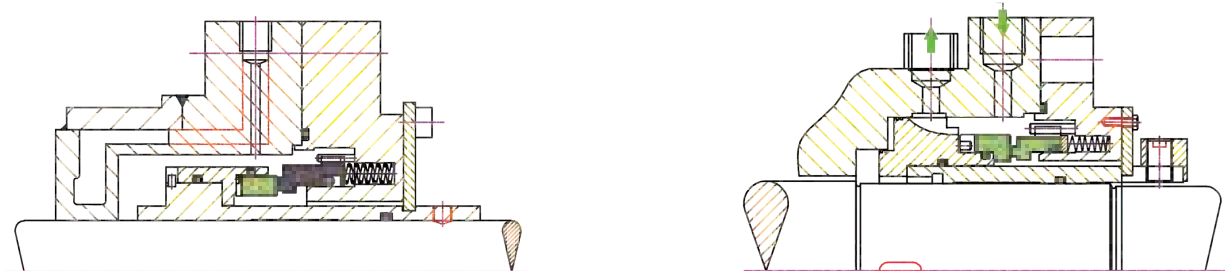
## SEALS FOR THERMAL POWER PLANTS

### BOILER FEED PUMPS



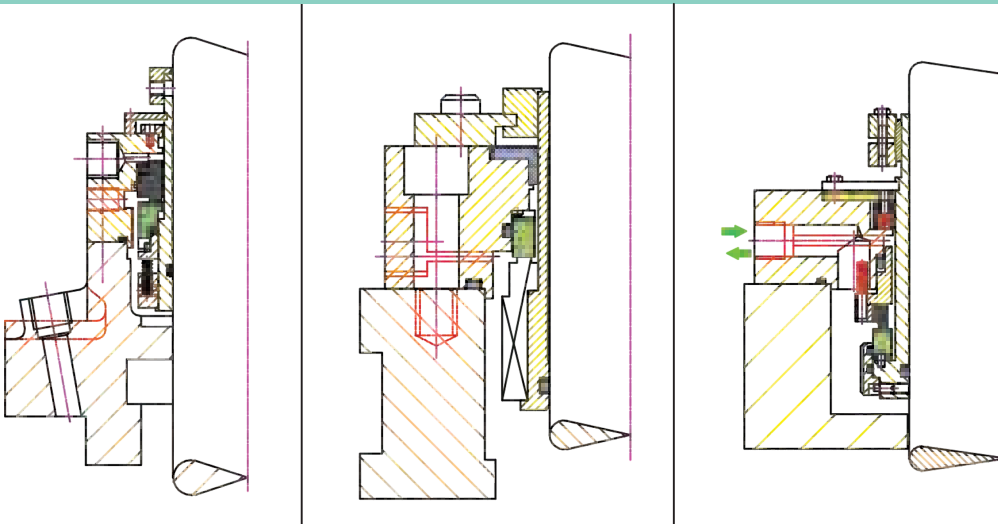
Mechanical Seals for BHEL 150 KHI (60MW), 200 KHI (110MW), FK 6D 30 (210/250MW), FK 4E 36 (500MW) Seals also available for KSB HDA, HGC, HGM, CHTC, Sulzer HPT , SHENYANG-YNKN, MHI-MDG-445, 405, 346, 366, CLYDEUNION FK6E41 (660, 700 & 800MW) Models (With API PLAN-23)

### BOOSTER PUMPS



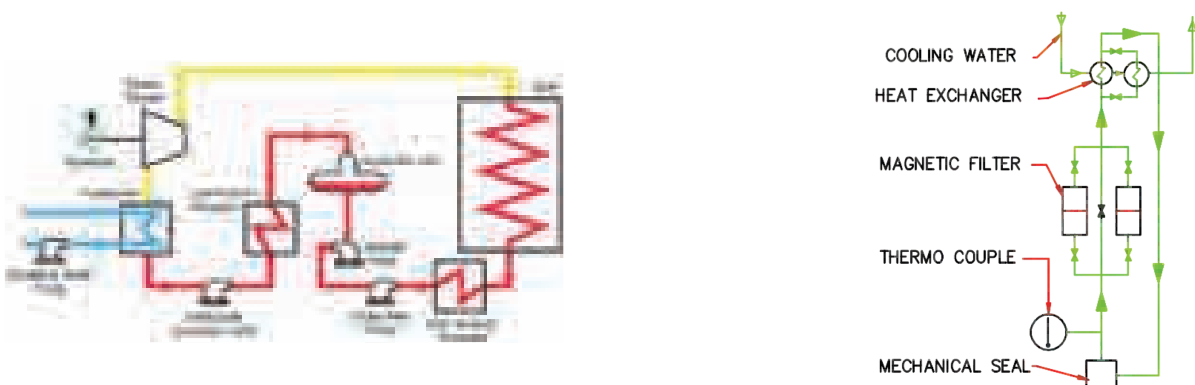
Mechanical Seals for BHEL FA 1B 56 (210/250MW), FA 1B 75 (500MW) & FA 1E 46, Seals also available for SHENYANG-YNKN 300, SULZER-HZB, MHI-MLC400, 450 KBL-8UP-2MC, M&P-BLE, CLYDEUNION-KSMK Models.

### CONDENSATE EXTRACTION PUMPS

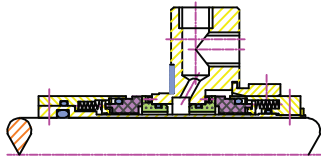


Mechanical Seals for BHEL 150 CJAV (60MW), 150 CJNV (110MW), EN 5J 40 (210/250MW), EN 7H 32 (210/250MW), & EN 7J 40 (500MW), SHENYANG LTDN (330MW) CHANGASA C590 (660MW) KBL-BHRC RHPV (800MW) MHI (RND144) (800MW)

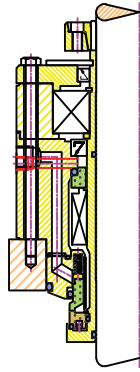
### POWER PLANT PROCESS DIAGRAM



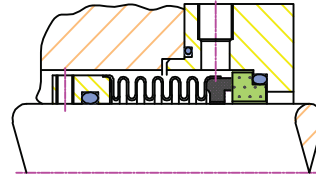
# REFURBISHMENT OF EAGLE, BURGMANN, FLOWERVE (FSL), JOHN CRANE, BORG WARNER SAFEMATIC, FLEXIBOX, SEALOL, CHESTERTON, AES, PILLAR EKATO, SCENIC SEALS



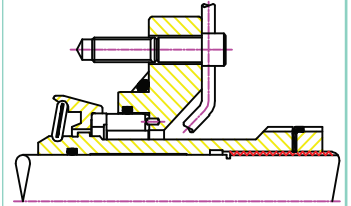
JOHN CRANE T-88 DOUBLE



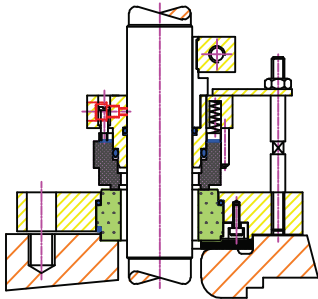
JOHN CRANE 585  
BOTTOM ENTRY SEAL



JOHN CRANE 515  
FORMED BELLOW SEAL

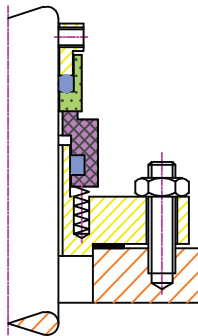


EAGLE SLURRY / SL

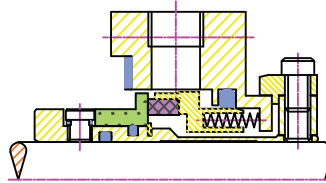


FSL VRA / SSR

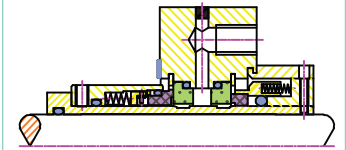
FSL VRA / GLR



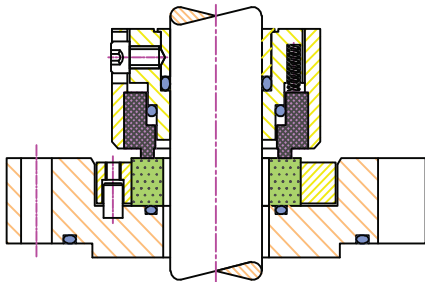
FSL VO



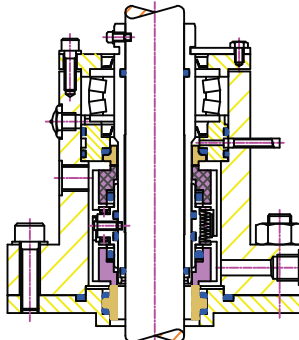
FSL P-50



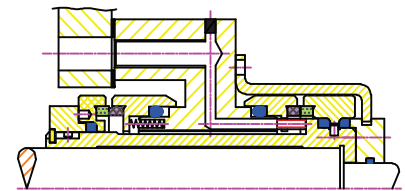
FSL P-200



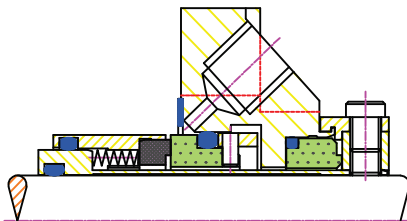
BURGMANN DRY SEAL



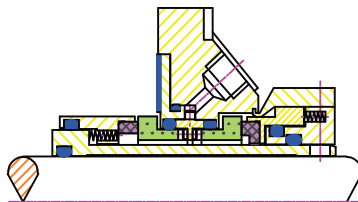
BURGMANN HHSL-D HIGH PRESSURE



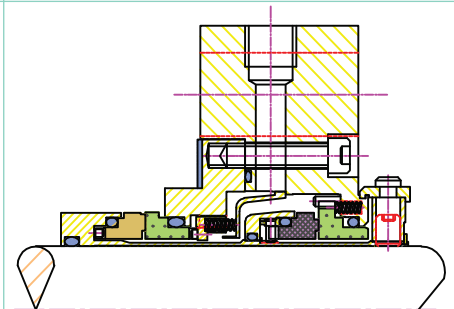
BURGMANN LP-D



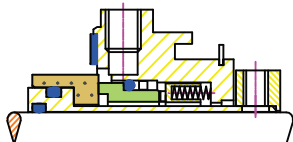
AES CURC / CSM



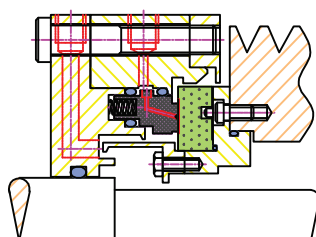
AES CDM



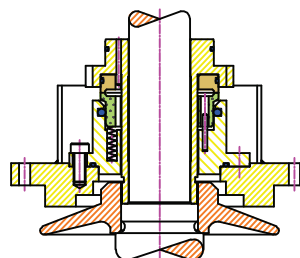
AES DMSF SEAL



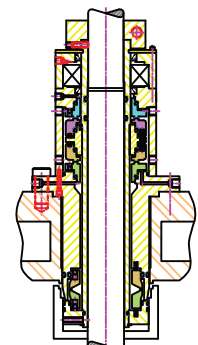
CHESTERTON - 155



PILLAR DRY GAS SEAL



BLACK CLAWSON ULTRA V-SCREEN



EKATO AGITATOR SEAL