

Dear Sir

We take great pleasure introducing our firm, as one of the leading manufactures of mechanical sales and its spare parts.

MAHI ENGINEERS a manufacture specializing in mechanical seal & pumps with a strong base and high technology, we have accumulated plenty of production experience from home and aboard constantly. We make the produce process improved all the times. We have consummate production equipment and perfect inspection method. Our high quality products are widely used in petrochemical, electrical, agriculture, food, petroleum and all kinds of pumps. Our products have won the customer's approval and we keep a long business relationship with client home and aboard. With our principal Quality First, Sincerity Uttermost and Excellent Service, We provide good products to clients.



Yours Truly, MAHI ENGINEERS





UBME152 Unbalanced Multi Springs Seal in Retainer with 'O' ring UBME152 Unbalanced Multi Springs Seal in Retainer with Wedge

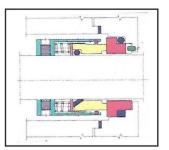
Independent Direction of Rotation (Inside Mounted)

0.5" to 6 Size

up to 8 kg/cm2 Pressure -40° to 200° C Temp

Application Petrochemicals, General Chemicals, Oil Refiners, Food and Beverages

M.O.C of Secondary Seal According to Fluid & Temp. Various Hard & Soft Faces As Per Liquid.





UBME156 Unbalanced Multi Springs Seal in Lug Drive with 'O' ring UBME156 Unbalanced Multi Springs Seal in Lug Drive with Wedge

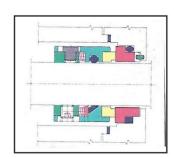
Independent Direction of Rotation (Inside Mounted)

Size 0.5" to 6' up to 8 kg/cm2 Pressure -40° to 150° C Temp

Application Petrochemicals, General Chemicals, Oil Refiners, Food and Beverages

M.O.C of Secondary Seal According to Fluid & Temp.

Various Hard & Soft Faces As Per Liquid.





BME135 Balanced Multi Springs Seal in Retainer with 'O' ring BME135 Balanced Multi Springs Seal in Retainer with Wedge Auto Direction of Rotation (Inside Mounted)

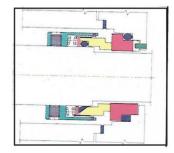
0.5" to 6" Size up to 8 kg/cm2 Pressure -40° to 200° C Temp

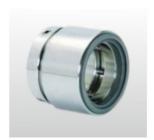
Petrochemicals, General Chemicals, Application

Oil Refiners, Food and Beverages

M.O.C of Secondary Seal According to Fluid & Temp.

Various Hard & Soft Faces As Per Liquid.





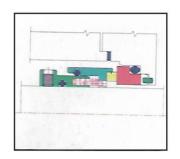
BME136 Balanced Multi Springs Slurry Seal

Independent Direction of Rotation (Inside Mounted)

0.5" to 6" Size Pressure up to 8 kg/cm2 Temp -40 to 200 C

Application Petrocemicals, General Chemicals, Oil Refiners, Food and Beverages

M.O.C of Secondary Seal According to Fluid & Temp. Various Hard & Soft Faces As Per Liquid.







BME143 Balanced Multi Springs Seal with inbuilt Sleeve 'O' ring Auto Direction of Rotation (Inside Mounted)

0.5" to 6" Size

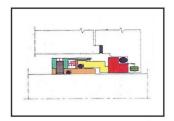
Pressure up to 40 kg/cm2 -40° to 200° C Temp

Application Petrochemicals, General Chemicals, Oil Refiners, Food and Beverages

M.O.C of Secondary Seal According to Fluid & Temp.

Various Hard & Soft Faces As Per Liquid.

No need to maintain a step on Sleeve for balancing.





RBME142 Reverse Balanced Multi Springs Seal Auto Direction of Rotation (Outside Mounted)

0.5" to 6" Size

vaccum to 25kg/cm2 -40° to 200° C Pressure

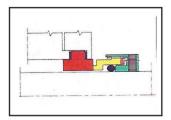
Temp

Application Corrosive Chemicals,

Hydrocarbon, Abrasive Service

M.O.C of Secondary Seal According to Fluid & Temp.

Various Hard & Soft Faces As Per Liquid.





UBME140 Unbalanced Open Single Springs Seal with 'O' ring Single Direction of Rotation (Inside Mounted)

Size 0.5" to 6"

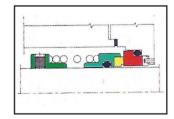
Pressure up to 8kg/cm2 -40° to 200° C Temp

Application Petrochemicals, General Chemicals,

Oil Refiners.

Suspended Particles, Temp.

Secondary Seal According to Fluid & Temp. Various Hard & Soft Faces As Per Liquid.



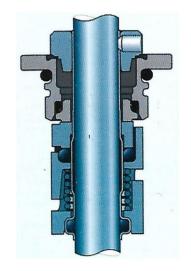


GROUND FOSS PUMP SEAL

Size 12/16/22

Pressure up to 5 kg/cm2 -40° to 150° C Temp

Water, Slurry Water Appication







UBME186 Unbalanced Single Springs Seal Bi-Directional Auto Direction of Rotation (Inside Mounted)

0.5" to 6" Size Pressure up to 8 kg/cm2 -40° to 200° C Temp

Application Petrochemicals, General Chemicals,

Suspended Particles.

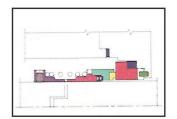
Mild Corrosive & Slurry Services.

M.O.C of Secondary Seal According to Fluid & Temp.

Various Hard & Soft Faces As Per Liquid.

*Also Available Balance Seal

Type 8202,8222





UBME187 Unbalanced Conical Springs Seal with 'O' ring

Single Direction of Rotation (Inside Mounted)
Size : 0.5" to 6"

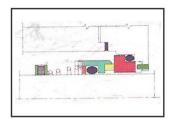
up to 8 kg/cm2 -40° to 150° C Pressure Temp

Application Petrochemicals, General Chemicals,

Oil Refineries,

Suspendes Particles, Slurry

M.O.C of Secondary Seal According to Fluid & Temp. Various Hard & Soft Faces As Per Liquid.





UBME188 Unbalanced Single Springs Seal in Tetainer with 'O' ring UBME188 Unbalanced Single Springs Seal in Retainer with Wedge Auto Direction of Rotation (Inside Mounted)

0.5" to 6" Size Pressure up to 8 kg/cm2 -40° to 200° C Temp

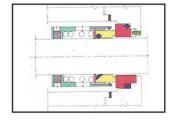
Petrochemicals, General Chemicals, Application

Oil Refiners, Suspended Particles,

Mild Slurry Services

M.O.C of Secondary Seal According to Fluid & Temp.

Various Hard & Soft Faces As Per Liquid.



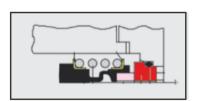


Rubber Bellow Seal

Auto Direction of Rotation (Inside Mounted)

Size 0.5" to 4" up to 4kg/cm2 Pressure -40° to 150° C Temp

Application Water







Me15-UB Unbalanced Single Springs Seal

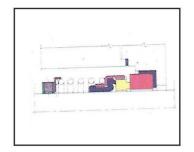
Single Direction of Rotation (Inside Mounted)

0.5" to 4" Size

Pressure up to 8 kg/cm2 -40° to 150° C Temp

Application Water, Mild Chemicals, Oil M.O.C of Secondary Seal According to Fluid & Temp.

Various Hard & Soft Faces As Per Liquid.





Me18-UB Unbalanced Rubber Bellow Seal

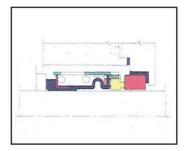
0.5" to 4" Size Pressure Upto 8kg/cm2 -40° to 200° C Temp

Water, Mild Chemicals, Oil Application M.O.C of Secondary Seal According to Fluid & Temp.

Various Hard & Soft Faces As Per Liquid.

*Also Available Seal

Type 7431, 7231, (Close Type), 7331 (Open Type)





Me/20 Teflon Below Seal with Combined Face Independent Direction of Rotation (Outside Mounted)

0.5" to 6" Size up to 3.5kg/cm2 -40° to 110° C Pressure Temp Application Chemicals.

Oil Refiners,

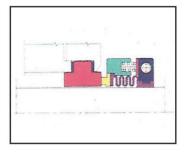
Aggressive Corrosive Application

Various Faces SiCEF, GFT, Ceramic

*Also Available

Type 002, Telfon Below Seal With Spilt Face

Type 003, Telfon Below Single Spring Seal With Spilt Face





Metal Below Balanced Seal With Grafoil Packing

Independent Direction of Rotation (Inside Mounted)

0.5" to 6" Size

up to 15kg/cm2 Pressure Temp -75° to 450° C Application Petrochemicals,

General Chemicals, Oil Refineries,

Corrosive and Abrasive

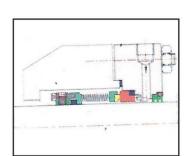
M.O.C of Secondary Seal According to Fluid & Temp. Various Hard & Soft Faces As Per Liquid.

*Also Available Seal

A) Metal Below Seal With 'O'Ring

B) Metal Below Seal With Grafoil Packing (Sleeve Type)

C) Metal Below Seal With Grafoil Packing (Below as Stationery)





Balanced Multi Springs Slurry Seal

Independent Direction of Rotation (Cartridge)

Size 0.5" to 6"

up to 25kg/cm2 -40° to 200° C Pressure Temp

Petrochemicals, General Chemicals, Waste water, Mining Industries Application

Pulp Sludge Abrasive Service

M.O.C of Secondary Seal According to Fluid & Temp. Various Hard & Soft Faces As Per Liquid.



Dry Gas Seals

Shaft 30mm to 350mm upto 450 Bar upto 300° C upto 200 m/sec Pressure Temperature Velocity

Dry Gas seals are part of our manufacturing range which are used on high speed compressors in Gas and Oil Industries. We refurbish dry gas seals of any brand.



Rotary Joints Shaft 3/8" to 2" upto 10 Bar Pressure Temperature upto 120° C

Mono flow and double flow design rotary joints are used on equipment for cooling, drying, humidification etc. Self supporting on two precision Ball Bearings enough to reduce vibration & wobbling.









These Cartridge Seaf units are designed for Mixer, Agitators and Glass Lines Recotors. The Heavy duty construction of the 50 seriesprovides long seal life and excellent repairability. The design incorporates bearing located very close to seal. The design specifically is engineered to accommodate the run-out conditions, up to 0.5mm. Large clearance between ration shaft/ sleeve and mating ring permits higher deflection of the shaft.

For Higher temperature application, the seal asembly has got jacketed chamber to circulate chilled water to bring down the temperature. Also normally chilled/ Plain water is passed through the cooling coll of Thermosyphon to bring down the temperature of compatible barrier fluid circulated in seal housing to maintain the continuous cooling. Bottom portion of seal housing is also designed with heat trapping jacketed cooling to reduced the temperature around the bottom seal face.

Unbalanced Double Back to Back with 'O' Ring Agitators Seal For Top Entry

Unbalanced Double Back to Back with Wedge Agitators Seal For Top Entry

Balanced Double Back to Back with 'O' Ring Agitators Seal For Top Entry

Balanced Back to Backwith Wedge Agitators Seal For Top Entry Bottom Entry Seals Area Also Available

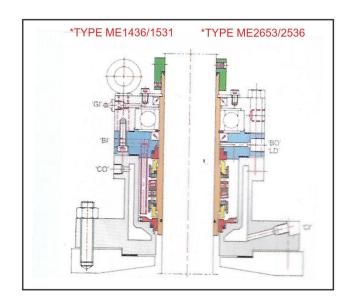
Size : 1" to 12"

Pressure : up to 8kg/cm2(Unbalanced)
Pressure : up to 35kg/cm2(Balanced)

Temp : -40° to 200° C

Application : Chemicals and its Vapors, Petrochemicals and its Vapors

MOC. Ss316, Ss3.4, ALLOY-20, Monal





Dry Seals

For Top Entry Agitator, Vessels and Mixers Single Seal, Independent of Direction of Rotation

Size : 1" to 8"

Pressure : Vacuum up to 5kg/cm2

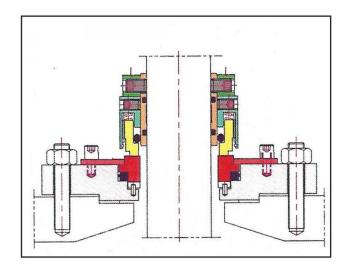
Temp : -20° to 230° C Speed : 1500 RPM

Application : Food Products and its Vapors

Petrochemical Products & its Vapors

Light Hydrocarbons and its Vapors

MOC. SS316,SS304,ALOY-20, Monal ,Hastelloy-C, Titanium





Wet Running Single Acting Seals

For Top Entry Agitator, Vessels and Mixers

Single Seal, Independent of Direction of Rotation

Size : 1" to 8"

Pressure : up to 8kg/cm2 Temp : -40° to 200° C

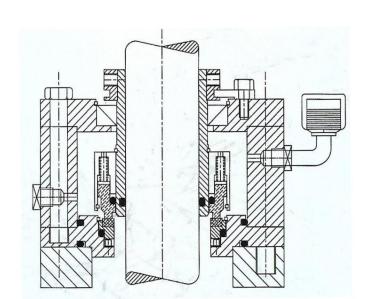
Speed : 400 RPM to 3000 RPM

Application : Food Products and its Vapors

Petrochemical Products & its Vapors

Light Hydrocarbons and its Vapors

MOC. SS316,SS304,ALOY-20, Monal ,Hastelloy-C, Titanium



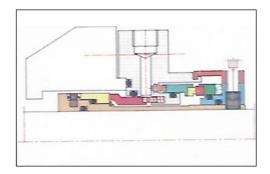
This is a single multi spring externally mounted, reverse balanced seal specifically designed for agitator and vessels.

The 4206 seal design can be applied to all top entry agitator shafts, where the seal chamber is subjected only to gas or vapors. The dry running design eliminated the need for costly buffer fluid systems and prevents contamination of the product. The out side seal design permits easy installation and inspection whether mounted directly on the shaft or mounted as a cartridge.

The design specifically is engineered to accommodate the run-out condition, up to 0.5mm. large clearance between rotation shaft/sleeve and maiting ring permits higher deflection of the shaft.

4206 ME Wet Running Seals are used with non pressurized barrier fluid preferably clean soft water because of its good heat transfer qualities fluids by considering the corrosion resistance of wetted parts and compatibility with media to be sealed.





Balanced Multi Springs Slurry Seal DOUBLE SEAL)

Independent Direction of Rotation (Cartridge)
Size : 1" to 46"
Pressure : up to 25 kg/cm2
Temp : -40 to 200 C

Petrochemicals, General Chemicals, Application

Toxic Liquids, Hazardous Corrosive Liquids

M.O.C of Secondary Seal According to Fluid & Temp. Various Hard & Soft Faces As Per Liquid.



SINGLE WITH BEARING

Independent Direction of Rotation (Cartridge)
Size : 0.5" to 12"
Pressure : up to 6 kg/cm2 Temp -40 to 120 C

400 RPM To 1400 RPM Pharma & Chemicals Speed Application



CHOPPER SEAL / MAIN SHAFT FOR RMG

Independent Direction of Rotation (Cartridge)
Size : 0.34" to 8"
Pressure : up to 3 kg/cm2 20 to 120 C Temp

400 RPM To 3000 RPM Speed

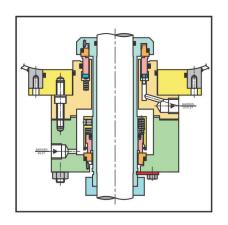
Application Pharma





Double Mechanical Seal

FOR BOTTOM / SIDE ENTRY AGITATED VESSELS AND MIXERS DOUBLE ACTING, INDEPENDENT OF DIRECTION OF ROTATION



Applications:

- Flooded Reactors
- Lump Breakers & Choppers
- Horizontal Reactors & Mixers
- Grinding Mills
- Agitated Filter Dryers
- PC Autoclaves
- Sand Mill

Face Materials:

Carbon, Silicon Carbide, Tungsten Carbide, Ceramic

Metals Parts:

Contact Parts ** : SS 316, SS 304 Non Contact Parts : Carbon Steel

Secondary Seals:

VITON, ERP, FEP, PTFE, GFT, FFKM

Seal Characteristics:

- Double Acting Back to Back seals
- Cartridge Unit
- Independent of Direction of Rotation
- Operated with Pressurised Barrier Fluids

Operating Limits:

Pressure p : Vacuum.....10 bar (max)
Temperature t : Amb.......200°C (max)
Shaft speed n : 600 rpm. (max)
Barrier fluid pressure : Vessel pressure + 1.5 bar

Seal Support System:

PERFORMA OF LIMITS

Capacity: 7.5 Liter

Hyd. Test Pressure: 30 kg Wording Pressure: 20 kg Max. Wording Temp:: 185° C

Heat Transfer -

Area Of Cooling Coil: 0.3 m2

Cooling Water Flow Rate-Recommended: 10 Liter/min

Max. Level Value: 5.5 Ltrs. Min. Level Value: 3.5 Ltrs.





MATERIAL OF CONSTRUCTION

SEAL FACE	SECONDARY SEAL	SPRING AND HARDWARE
CARBON, RESIN IMPREGNATED.	VITON	
CARBON METAL IMPREGNATED.	NITRILE	
TUNGSTEN CARBIDE, CABAIL BONDED	EPDM	
TUNGSTEN CARBIDE, NICKEL BONDED	NEOPRENE	CHROMA NICKLE, MOLYBDENUM STEEL
SILICON CARBID REACTION BONDED	SILICON	HAST ALLOY 'B'
SILICON CARBID SINTERED	PTFF	HAST ALLOY 'C'
HIGH ALUMINA CERAMIC(99.5%AI203)	PTFFCOVERED VITON	MONAL METAL
SPECIAL CHROME CASTING	GLASS FILLED(GFT)	ALLOY 20
GLASS FILLED PTEF(GFT)	CARBON FILLED(CFT)	TITANIUM
CARBON FILLED PTFF(CET)		
CHROMEOXIDE	PURE GRAPHITE	INCONEL
PHOSPHOR BRONZZ	KALRAZ	
STELLITE	FEP	NI-RESIST



Mfg. All type of Mechanical Seals

Address:-W/S-03, Rajban Road, Taruwala, Near Truck Union, Paonta Sahib, Distt. Sirmour (H.P) Pin: 173025 Workshop No.: 9594603396, 9816688211, 6230306830

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