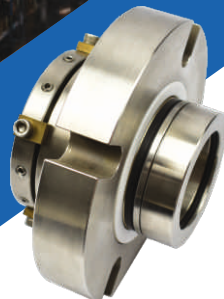




A.G. ENGINEERING



Manufacturers of Mechanical & Engineering Components

Manufactures a wide range of Mechanical Seals used in various types of rotary equipment pumps, agitators, mixers and reactors has got highly experienced technical staff and all necessary with machineries testing facilities.

For Various Industries

- Chemical
- Steel
- Petrochemical
- Paper & Pulp
- Sugar
- Shipping
- Pharmaceutical
- Power
- Fertilizer
- Textile
- Foods
- Cement

Teflon Bellow Seal
Single Spring Seal
Conical Spring Seal
Multi Spring Seal
Metal Bellow Seal
Wave Spring Seal
Cartridge Seals
Rubber Bellow Seals



ABOUT US

After a decade of experience in all type of mechanical seals and components Design, development, Manufacturer, Exporter, Supply and services. We have a team of Art Manufacturing Facilities, Skilled Manpower and Innovative Designs to provide best quality products and services to our clients.

We manufacture a wide range of Mechanical Seals and Components used in various types of pumps, agitators, dryers & reactors for Nuclear, Power, Steel, chemical, petrochemicals, pharmaceuticals, Food, fertilizers, paper and pulp, sugar, textile and shipping Industries, cement etc. With the best machineries with testing facilities can provide prompt service with quality and effective cost inputs. With different face combination i.e. Carbon, Ceramics, TC, Silicon, Rubber Elastomer, GFT, PTFE etc.

PRODUCTS

TEFLON BELLOW SEAL

(Single acting/ Balance & Unbalance like independent of direction and rotation)

Application: Extremely corrosive media like acid, salt, alkaline, active organic component, strong oxidising and reducing agents.

Features: Parts will be in contact with Fluid seal faces available in Glass Field Teflon vs Ceramic (High Alumina Content) and Carbon vs Ceramic.

Operating Limits:

MOC : PTFE, GFT, Ceramic , Silicon Carbide, Carbon
Seal Size : 20 mm to 140 mm
Pressure : Vaccum to 08 kg/cm²
Speed : 12 m/s
Temperature : -30 degree C to 250 Degree C



SINGLE SPRING SEAL

(Single acting/ Balance & Unbalance like independent of direction and rotation)

Application: Used in high viscous fluids and abrasive corrosive liquids marine applications and petrochemical

Features: Simple design, Economical clogging of spring available in different combination of faces materials: Carbon, Tungsten Carbide, Silicon and Ceramics.

Operating Limits:

MOC : SS 304, SS316, SS316 L, Alloy 20.
Seal Size : 20mm to 120mm
Pressure : 10 kg/cm²
Speed : 10m/s
Temperature : 20 degree C to 200` Degree C

CONICAL SPRING SEAL

(Single acting/ Balance & Unbalance like independent of direction and rotation)

Application: Acting like independent of direction of rotation in highly viscous and dirty fluid.

Features: Non clogging conical spring simple design economical with different combination of faces materials: Carbon, Tungsten Carbide, Silicon and Ceramics.

Operating Limits:

MOC: SS 304, SS316, SS316 L, Alloy 20.

Seal Size: 12mm to 80mm

Pressure: 10kg/cm²

Speed: 13m/s

Temperature: -25 degree C to 200 Degree C



MULTI SPRING SEAL

(Single acting/ Balance & Unbalance like independent of direction and rotation)

Application: Used for light hydrocarbon general chemical, clear liquids, lubricating liquids, refineries, pharmaceuticals & bulk drug industries.

Features: Multiple spring design gives uniform face loading in different face combination.

Operating Limits: MOC : SS 304, SS316 , SS316 L , Alloy 20.

Seal Size : 20 mm to 125 mm

Pressure : 10kg/cm²

Speed : 20 m/s

Temperature : 20 degree C to 220 Degree C

METAL BELLOW SEAL

(Single Acting, Balance and Unbalance)

Operating Limits:

MOC : Metallic Carbon, Silicon, Tungsten Carbide

Bellow Material : AM 350

Hardware : SS316/SS304

Seal Size : 20 mm to 100 mm

Pressure : 18 bar

Speed : 25 m/s

Temperature : -50 degree C to 350 Degree C



WAVE SPRING SEAL

(Balanced/Unbalanced)

Application: Used in high viscous fluids and abrasive corrosive liquids marine applications and petrochemical

Features: Springs are product protected to avoid contamination

Operating Limits:

Face Material : Silicon, Tungsten Carbide, Carbon

Secondary Seal Elastomer : Viton, NBR, EPDM, Kalrez, PTFE

MOC : SS 304, SS316L

Seal Size : 20 mm to 100 mm

Pressure : 10 kg/cm²

Speed : 20 m/s

Temperature : 10 degree C to 180 Degree C

MG1/MG12 RUBBER BELLOW SEAL

Application: Water, Sewage, Oil Pump, Generator, Muddy Water

Features: Single acting independent on direction of rotation

Operating Limits:

Face Material : Silicon, Tungsten Carbide, Ceramic, Carbon

Secondary Seal Elastomer : Viton, NBR, EPDM, Silicon

MOC : SS 304, SS316, SS316L

Seal Size : 12 mm to 100 mm

Pressure : 4 kg/cm²

Speed : 10 m/s

Temperature : -100 degree C to 200 Degree C



OPEN TYPE RUBBER BELLOW SEAL

(Double acting Independent of direction and rotation balanced)

Application: Water, Sewage, Oil Pump, Generator, Muddy Water

Features: Single acting independent on direction of rotation

Operating Limits:

Face Material : Silicon, Tungsten Carbide, Ceramic, Carbon

Secondary Seal Elastomer : Viton, NBR, EPDM, Silicon

Operating Limits:

MOC : SS 304, SS316, SS316L

Seal Size : 12 mm to 100 mm

Pressure : 4 kg/cm²

Speed : 10 m/s

Temperature : -100 degree C to 200 Degree C

ROBIN TYPE RUBBER BELLOW SEAL

Application: Water, Sewage, Oil Pump, Generator, Muddy Water

Features: Single acting independent on direction of rotation

Operating Limits:

Face Material : Silicon, Tungsten Carbide, Ceramic, Carbon

Secondary Seal Elastomer : Viton, NBR, EPDM, Silicon

MOC : SS 304, SS316, SS316L

Seal Size : 12 mm to 100 mm

Pressure : 4 kg/cm²

Speed : 10 m/s

Temperature : -100 degree C to 200 Degree C



CLOSE TYPE RUBBER BELLOW SEAL

Application: Water, Sewage, Oil Pump, Generator, Muddy Water

Features: Single acting independent on direction of rotation

Operating Limits:

Face Material : Silicon, Tungsten Carbide, Ceramic, Carbon

Secondary Seal Elastomer : Viton, NBR, EPDM, Silicon

MOC : SS 304, SS316, SS316L

Seal Size : 12 mm to 100 mm

Pressure : 4 kg/cm²

Speed : 10 m/s

Temperature : -100 degree C to 200 Degree C

CARTRIDGE SEALS

(Balanced/Unbalanced)

Application: Single Spring Seal, Multi Spring Seal, Metal Bellow seal, Wave Spring Seal

Features: Cartridge Seal assembled for easy installation which reduces downtime, errors avoided.

Operating Limits:

Face Material: Silicon, Tungsten Carbide, Carbon, ceramic

Secondary Seal Elastomer: Viton, PTFE, GFT, FEP, FFKM

MOC: SS316, ALLOY 20, HAST-C

Seal Size: 14 mm to 100 mm

Pressure: 30 Bar

Speed: 22m/s-30m/s

Temperature: -20 degree C to 220 Degree C



AGITATOR DRY SEAL

(Single seal / Double seal, Unbalance / Balance)

Application: Double Mechanical Seals that are used for top entry and side entry autoclave Mixtures, Reactors, Dryers.

Features: The Seals are factory assembled with cartridge unit Floating Bearing for easily installed without disturbing the delicate mating faces,

Operating Limits:

Face Material: Silicon, Tungsten Carbide, Carbon, ceramic

Secondary Seal Elastomer: Viton, PTFE, GFT, FEP, Kalrez

MOC: SS 304, SS316 SS316L ALLOY20 HAST-C

Seal Size: 25 mm to 150 mm

Pressure: 40 bar

Speed: 04m/s

Temperature: 20 degree C to 300 Degree C

DOUBLE AGITATOR SEAL

(Unbalanced/Balanced)

Application: Outside balance seal For SSR And GLR

Features: Used for good performance in vaccum condition

Operating Limits:

Face Material: Silicon, Tungsten Carbide, Carbon, ceramic

Secondary Seal Elastomer: TTV, Viton, PTFE, FEP, Kalrez, Nitrile, Epdm

MOC: SS 304, SS316, SS316L, ALLOY20, HAST-C

Seal Size: 25 mm to 140mm

Pressure: Full Vaccum to 6 kg

Speed: 5 m/s

Temperature: -40 degree C to 150 Degree C



SHAFT AND SLEEVES

Material:

SS304

SS316

SS202

Alloy 20

EN8



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