

This type RUBBER BELLOW SEAL is generally used in sewage applications, waste water pump, & fuel injection pumps.

IEC -101



Material:

Seal faces: Sic / Carbon / Vs. Ceramic / Sic

Secondary Seats: niton / Viton / EPDM

Metal parts: SS-304. SS-316, ss-316L

IEC -102



Operating limits:

Shaft Diameter: 10 mm to 100 mm

Pressure: 10 bar (Max)

Temperature: (-) 20°C to (+) 150°C

This type TEFLON BELLOW SEAL is generally used in acids alkalis & extremely corrosive services

IEC -201



Materials:

Seal Faces: GFT /Sic. / Carbon vs Ceramic /sic

Secondary Seals: PTFE / GFT

Metal Parts:SS-304. SS-316, SS-316L/ Hastelloy

IEC -202



Operating limits:

Shaft Diameter: 16 mm to 100 mm

Pressure: 5 bars (max)

Temperature: 2900 rpm (max)

This type WELDED END METAL BELLOW SEAL is generally used for handling highly corrosive chemicals high temperatures applications

IEC -301



Materials:
Seal Faces: Carbon /Sic. / TC Vs Sic. /Tc
Secondary Seals: Viton / PTFE / GFT
Metal Parts: SS-304, SS-316, SS-316L/ Hastelloy "C"

IEC -302



Operating limits:
Shaft Diameter: 19 mm to 100 mm
Pressure: 15 bars (max)
Temperature: (-) 50°C to (+) 350°C
Speed: 3200 rpm (max)

This type SINGLE SPRING SEAL is generally used in high pressure pumps, refineries, fertilizers, nuclear plants & petroleum products.

IEC -401



Materials:
Seal Faces: Sic. / carbon vs Sic./ Ceramic / Tc
Secondary Seals: Viton / PTFE / GFT
Metal Parts: SS-304, SS-316, SS316L

IEC -402



Operating limits:
Shaft Diameter: 10 mm to 150 mm
Pressure: 10 bars (max)
Temperature: (-) 50°C to (+) 180°C
Speed: 1500 rpm (max)

This type MULTY SPRING SEAL is generally used in ash sturry pulp, clinker grinder, sludge & syrup

IEC -501

IEC -502



Material

Seal Faces: Sic / Ceramic / Carbon TC Vs.
Ceramic / TC / Sic

Secondary Seals: Elastomers. FEP, PTFE GFT
Metal Parts: SS-316, SS-316L, ss-304

Operating limits:

Shaft Diameter: 18 mm to 100 mm

Pressure: 25 bars (max)

Temperature: (-)250°C to (+) 220°C

This type MULTY SPRING SEAL is generally used for handling corrosive chemicals, hydrocarbons, general & light chemicals.

IEC -601

IEC -602



Material

Seal Faces: Sic / Carbon / TC Vs Ceramic / Sic / TC

Secondary Seals: Viton / FEP
Metal Parts: SS-304, SS-316, SS-316L,

Operating limits:

Shaft Diameter: 20 mm to 100 mm

Pressure: 10 bars (max)

Temperature: (-)50°C to (+) 80°C

Speed: 2900 rp (max)

This type CONICAL SPRING SEAL is generally used for handling corrosive chemicals, hydrocarbon , general & light chemicals.

IEC -701



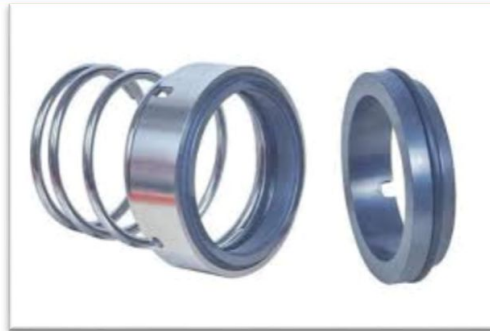
Material

Seal Faces: Sic / Carbon / TC Vs Ceramic / Sic / TC

Secondary Seals: Viton / PTFE / GFT

Metal Parts: SS-316, SS-316L, SS-304

IEC -702



Operating limits:

Shaft Diameter: 10 mm to 100 mm

Pressure: 10 bars (max)

Temperature: (-)20°C to (+)180°C

This Ttype TEXTILE SEAL is generally used in dyeing & printing Textile Machineries,

IEC -801



Materials:

Seal Faces: Sic / Carbon / TC Vs Ceramic / Sic / TC

Secondary Seals: Viton / EPDM

Metal Parts: SS-316, SS-316L, SS-304

IEC -802



Operating limits:

Shaft Diameter: 14 mm to 150 mm

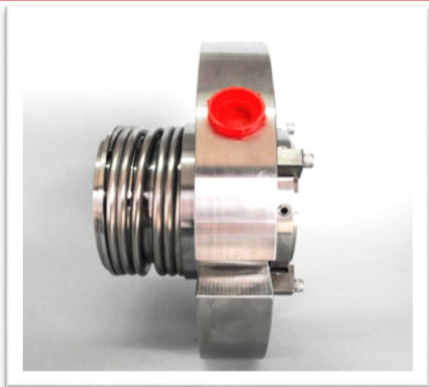
Pressure: 10 bars (max)

Temperature: (-)20°C to (+)180°C

Speed: 2900 rpm (Max)

This Type CARTRIDGE SEAL is generally used in chemicals, solvents, hydrocarbon & petrochemicals.

IEC -901



Materials:

Seal Faces: Sic / TC / Ceramic Vs Ceramic Sic / TC

Secondary Seals: Viton / PTFE / GFT / Niton

Metal Parts: SS-316, SS-316L, SS-304, Hastelloy

IEC -902



Operating limits:

Shaft Diameter: 25 mm to 100 mm

Pressure: 15 bars (max)

Temperature: (-)40°C to (+)180°C

Speed: 2900 rpm (Max)

This type ALFA LEVEL SEAL is generally used in hot & cold-water pumps, oil pumps refrigeration compressor & fuel injection pumps.

IEC -1001



Materials:

Seal Faces: Sic / Carbon Vs Ceramic / Sic / TC

Secondary Seals: Niton / Viton

Metal Parts: SS-316,SS-304

IEC -1002



Operating limits:

Shaft Diameter: 10 mm to 100 mm

Pressure: 10 bars (max)

Temperature: (-)20°C to (+)150°C

Speed: 2500 rpm (Max)

This type WAVE SPRING sEAL is generally used in paper industries, petrochemicals & petroleum refineries

IEC -1101



Materials:

Seal Faces: Sic / Ceramic / Carbon Vs Ceramic / TC / Sic

Secondary Seals: Viton / FEP GRAPHOIL

Metal Parts: SS-316,SS-304,,Graphoil

IEC -1102



Operating limits:

Shaft Diameter: 25 mm to 150 mm

Pressure: 15 bars (max)

Temperature: (-)50°C to (+)180°C

This type DRY SEAL is generally used in refineries, fertilizers, nuclear plants & petroleum pipelines.

IEC -1201



Materials:

Seal Faces: Carbon / TC Sic. Vs Ceramic Sic/ TC

Secondary Seals: Viton / PTFE / GFT

Metal Parts: SS-316904L,

IEC -1202



Operating limits:

Shaft Diameter: 16 mm to 150 mm

Pressure: 10 bars (max)

Temperature: (-)50°C to (+)280°C

Speed: 2900 rpm (max)

Double Agitator Seal



Pressure : Upto 35 bar

Temperature : 90° to 300°C

Speed : 5 to 1450 RPM

Service : chemical, pharmaceutical,
Bulk Drugs & Polymer Industry,
Face Material : Tungsten carbide
Carbon, ceramic, Silicon Carbide
Special Cast.

Metal components : S.S. 304 /
S.S. 316 / Hastelloy 'C'

Secondary Seal : PTFE, Viton, Silicon,
EPDM, Grafoil

Single Dry Seal



Pressure : Upto 7 bar

Temperature : 40° to 100°C

Speed : 1 to 200 Max

Service : chemical, pharmaceutical,
Bulk Drugs & Polymer Industry,
Face Material : Tungsten carbide
Carbon, ceramic, Silicon Carbide
Special Cast.

Metal components : S.S. 304 / S.S. 316/
Hastelloy 'C' Alloy 20 Monel etc.

Secondary Seal : PTFE, Viton, Nitrile,
Neoprene.

JOHN CRANE 502 SEAL



Rotry Joint



Body	C.I./M.S./SS./BRASS
Assembly plate	C.I./M.S./SS./BRASS
Nipple	M.S./S.S. HARDENED
Seal Ring	Carbon Graphite (IMP)
Guide Ring	Carbon Graphite (IMP)
Spring	S.S. / Spring Steel
Gasket	Compressed Asbestos

Rotry Joint



MAX. WATER PRESSURE	1.5 BAR
MAX. WATER TEMPERATURE	150°C
MAX. STEAM PRESSURE	10 BAR
MAX. STEAM TEMPERATURE	180°C
MAX. HOT OIL PRESSURE	8 BAR
MAX. HOT OIL TEMPERATURE	180°C

