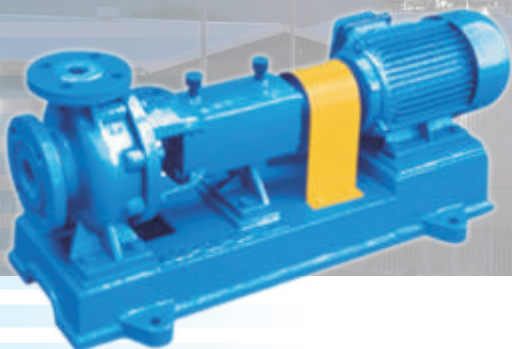




Sealwell INDIA

An ISO 9001:2008 Company



MECHANICAL SEALS

INTRODUCTION

Sealwell India was Estd. in 1979 for manufacture of import substitution product “Mechanical Seal”. *Sealwell* seals are designed to withstand stringent industrial application in any type of industry, let it be Chemical, Refining and Petrochemical, Pharmaceutical, Fertilizers and Oil extraction plant, Sugar industries, Power plant, Steel Industries and Shipping.

We are an ISO 9001 certified company and we maintain high quality standards by 100% inspection at every stage. Special care is taken to achieve flatness on both the faces viz. rotary and stationary. This flatness and surface finish is generated by use of special purpose Lapping machines. Flatness on both rotary and stationary faces to an accuracy of microns are assured by 100% inspection of each part individually by Optical light bands. This is the heart of precision and quality incorporated in *Sealwell* make Mechanical Seals. Special care is taken to choose the correct material for a given application. This is the point where Application engineering and experience comes in to picture.

We provide service of taking necessary physical dimension of equipment at customer’s site followed by installation and running trials services. Inventory levels of Mechanical seal and spares which are manufactured by us are maintained to meet the customer’s requirement.

'SC' Series Mechanical Seals

Sealwell 'SC' series Mechanical seal are a result of two decades of experience in design, manufacture and operation of seals. SC series seal are best suitable for application involving abrasive, corrosive and viscous fluids.



Shaft Dia.	14.00 – 100.00 mm
Temp.	-20 To 250 Deg. C.
Pressure	10 Kg/Cm2
Speed	75 m/sec
Metal Parts	SS316, Alloy-20, Hastalloy, Monel
Seal Ring	Carbon, Tungsten Carbide, Silicon Carbide
Packing	EPR, Viton, FEP, Neo-prene, PTFE, Kalrez

'SC-R' Type Mechanical seal

This type of Mechanical seal can be used regardless of direction of rotation, this is because the acting torque is not transmitted through the coils. Instead the torque is driven along the rubber bellow which fits on the shaft. These seals are generally used in sewage applications and waste water pumps.



Shaft Dia.	14.00 – 100.00 mm
Temp.	-20 To 250 Deg. C.
Pressure	10 Kg/Cm2
Speed	75 m/sec
Metal Parts	SS316, Alloy-20, Hastalloy, Monel
Seal Ring	Carbon, Tungsten Carbide, Silicon Carbide
Packing	EPR, Viton, Neo-prene,

'MS-R' Series Mechanical Seals

Reversed balanced Mechanical seals are externally mounted balanced seal with O-ring as secondary sealing. Various seal face material and o-ring can be used for wide range of application. These seals are suitable for handling most of the corrosive media with some solid content. No metallic parts are in contact with the media.



Shaft Dia.	10.00 – 102.00 mm
Temp.	-48 To 80 Deg. C.
Pressure	Full Vacuum to 2 Kg/Cm2
Speed	25 m/sec
Metal Parts	SS316, Alloy-20, Hastalloy, Monel
Seal Ring	Carbon, Tungsten Carbide, Silicon Carbide
Packing	EPR, Viton, Neoprene, FEP, Kalrez

'MS-B/MS-U' Type Mechanical seal

Multispring Mechanical seals are pusher type seals in unbalanced and balanced configurations. Most of the components are interchangeable between unbalanced and balanced seal. These seals are having cartridge type rotary head, which is compact and easy to install.



Shaft Dia.	18.00 – 102.00 mm
Temp.	-22 To 200 Deg. C.
Pressure	Upto 40 Kg/Cm2
Speed	26 m/sec
Metal Parts	SS316, Alloy-20, Hastalloy, Monel
Seal Ring	Carbon, Tungsten Carbide, Silicon Carbide
Packing	EPR, Viton, Neoprene, PTFE, Kalrez

'TB' Series Mechanical Seals

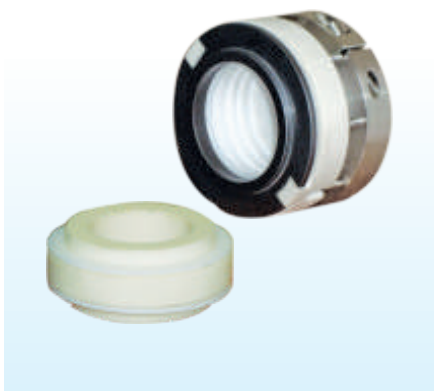
These are suitable for handling most of the corrosive media. This is an externally mounted Mechanical seal so no metal parts are in contact with the media. This seal has no dynamic elastomers, hence no fretting.



Shaft Dia.	19.00 – 100.00 mm
Temp.	-20 To 80 Deg. C
Pressure	4 Kg/Cm ²
Speed	25 m/sec
Metal Parts	SS316, Alloy-20, Hastalloy
Seal Ring	Glass filled Teflon, CFT
Packing	PTFE

'TB-G/TB-S' Series Mechanical Seals

Teflon bellow (Replaceable face) Mechanical seals are suitable for handling corrosive media with some solid contents. This type of seal has a face which can be replaced if damaged. The flexible bellow accommodates shaft run out without causing any damage to the whole seal.



Shaft Dia.	18.00 – 100.00 mm
Temp.	-20 To 88 Deg. C
Pressure	4 Kg/Cm ²
Speed	28 m/s
Metal Parts	SS316, Alloy-20, Hastalloy
Seal Ring	GFT, Silicon Carbide, Carbon
Packing	PTFE

'MB-1' Series Mechanical Seals

Metal bellow seals are welded bellow seals used in pumps and are ideal for high temp. applications. Since Metal bellow require no secondary sealing devices like O-ring or wedges, shaft grooving or fretting is avoided.



Shaft Dia.	19.00 – 100.00 mm
Temp.	-50 To 200 Deg. C
Pressure	15 Kg/Cm2
Speed	25 m/sec
Metal Parts	SS316
Seal Ring	Carbon, Silicon Carbide, Tungston Carbide
Packing	Neoprene, Viton, PTFE, Kalrez

'MB-2' Series Mechanical Seals

This type of Metal bellow seal is almost same as 'MB-1' type. The only difference is that secondary sealing is done by Graphoil packing which enables it to work at high temperature.



Shaft Dia.	19.00 – 100.00 mm
Temp.	-50 To 350 Deg. C.
Pressure	15 Kg/Cm2
Speed	25 m/sec
Metal Parts	SS316
Seal Ring	Carbon, Silicon Carbide, Tungston Carbide
Packing	Graphoil

'DS' Series Mechanical Seals

Dry seals are special purpose seals which does not require any external media to cool its faces. These seals are used for less critical applications in top entry Agitators. These seals are very economical and require less maintenance cost as compared to double Mechanical seals. Furthermore they operate on low rpm.



Shaft Dia.	19.00 – 150.00 mm
Temp.	20 To 150 Deg. C
Pressure	Upto 5 Kg/Cm2
Speed	Max. 100 rpm
Metal Parts	SS316
Seal Ring	Carbon, Silicon Carbide, Tungston Carbide
Packing	Kalrez, Viton, PTFE, FEP

'CRT' Series Mechanical Seals

These type of Mechanical seals are pre-assembled cartridges which can be directly installed on pumps. This has an integral sleeve with gland plate. The seal does not require any dimensional adjustment during the time of installation. They are best suited for slurry or viscous applications.



Shaft Dia.	25.00 – 160.00 mm
Temp.	-48 To 175 Deg. C
Pressure	Upto 15 Kg/Cm2
Speed	25 m/sec
Metal Parts	SS316, Alloy-20, Hast-B, Hast-C
Seal Ring	Carbon, Silicon Carbide, Tungston Carbide, Ceramic
Packing	Viton, PTFE, GFT, FEP



'DMS' Series Mechanical Seals

In most cases process liquids and gases containing hazardous vapours, dangerous chemicals or inflammable petroleum must not be allowed to leak into the atmosphere. In these applications a second 'Containment' seal is placed after the primary seal along the shaft. In a double seal the barrier liquid in the cavity between two seal is pressurized. Thus if the primary seal fails the barrier liquid would leak into the system instead of dangerous system leaks into the atmosphere. This is usually used in gas, unstable, highly toxic, viscous and corrosive liquids.



Shaft Dia.	30.00 – 180.00 mm
Temp.	-20 To 250 Deg. C.
Pressure	Upto 40 Kg/Cm2
Speed	Max. 200 rpm
Metal Parts	SS316,Hast-B, Hast-C,Alloy-20
Seal Ring	Carbon, Silicon Carbide, Tungston Carbide, Ceramic
Packing	Kalrez, Viton, PTFE

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