**Metal Bellow Seal**

Metal Bellow Mechanical Seals are useful in high temperature and other complicated services it also extremely corrosive chemicals including concentrated acids, salts, strong oxidising, reducing agents and chemically active organic compounds. This Seal are independent of direction of rotation.The unique feature of this type of seal is that, there is no dynamic 'O' rings and therefore it will never hangup or damage the shaft and sleeve. The bellow mechanical seal can help in withstanding the friction caused by the shaft rotating.

These kinds of bellow mechanical seals are characteristically working towards maintaining the strength between friction faces. The Metal bellows mechanical seal comes with some advantages and in relation to conventional spring systems

### OPERATING PARAMETER:

* Shaft diameter : 19 mm to 100 mm (0.75” to 4.0”)
* Pressure : Up to 15 bar (kg/cm²)
* Temperature : -20°C to 280°C
* Shaft Speed : Up to 3000 RPM

### ****Face Material:****

* http://www.macwellseal.in/images/banner-bullet.jpg Rotary Face: Carbon, Sic ,TC
* http://www.macwellseal.in/images/banner-bullet.jpg Stationary Seats: Silicon, TC, SS, Ceramic
* **Secondary Seal Material:**
* http://www.macwellseal.in/images/banner-bullet.jpg Viton, PTFE, Grafoil

### ****Metal Parts:****

* http://www.macwellseal.in/images/banner-bullet.jpg SS304, SS316, SS316L

### APPLICATION:

* Petroleum refineries
* Thermic fluid
* Petrochemicals
* General chemicals

### METAL BELLOW MECHANICAL SEALS CHARACTERISTICS:

* Single acting
* Inside mounting
* Inherently balanced
* Welded metal bellows
* Independent of direction of rotation