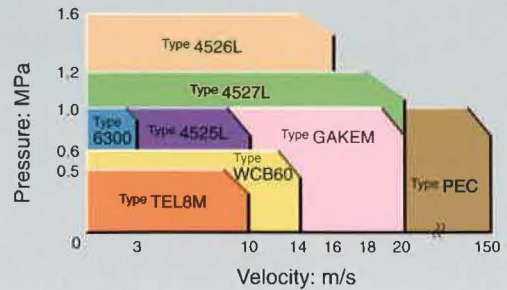


## Selection of seal and packing for pump



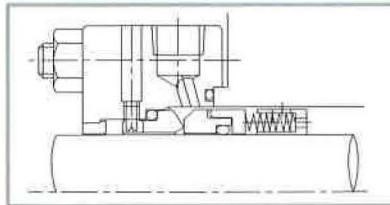
## Mechanical Seals

### Type TEL8M

#### SiC $\chi$ Seal®



Code: MS-TEL8M-TTJ61 - (Size)



#### Features & Benefits

##### For fluid containing particles

This seal is multi spring type seal with solid SiC seal ring and radial grooves on the drive collar. SUS316 is used for metal parts which is applicable to acid, alkaline and wide range liquid.

#### Performance

Pressure: 0.5MPa (SiC vs SiC), 0.8MPa (SiC vs Carbon)  
Velocity: 10m/s, Size :  $\phi$ 20-55, Application: Slurry pump

### Type WCB60

#### Chemi-Mighty Seal

#### Features & Benefits

##### Contact seal for mixer

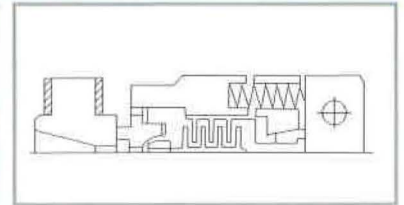
This is outside mounted mechanical seal which uses PTFE bellows and SiC as mating ring. So this type has excellent chemical resistance. Chemi-mighty seal can be mounted on ceramic or glass lining sleeve.

#### Performance

Pressure: 0.6MPa, Velocity: 14m/s, Size:  $\phi$ 20-100  
Application: Chemical solution, High viscosity liquid, Slurry



Code: MS-WCB60-TF022 - (Size), SiC vs SiC & PTFE, 316 SS

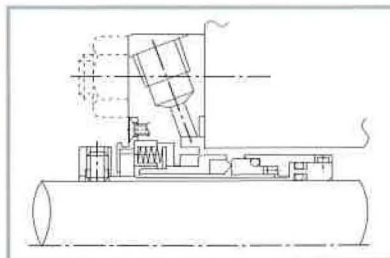


### Type GAKEM

#### Cassette Seal® (Knife Edge)



Code: MS-GAKEM-TF022 - (Size), SiC vs SiC & Fluoro Elastomer, 316 SS



#### Features & Benefits

##### Easy installation

This is cassette type seal providing easy installation. Replacement from gland packing is not required any modification.

Since this seal uses knife edge mating ring, it provides the stable performance against high viscous or slurry liquid.

#### Performance

Pressure: 1.0MPa, Temperature: -20-150°C, Size:  $\phi$ 20-100  
Application: High viscous liquid, Polymeric liquid

### Type PEC®\*

#### Hydrostatic dry gas seal

#### Features & Benefits

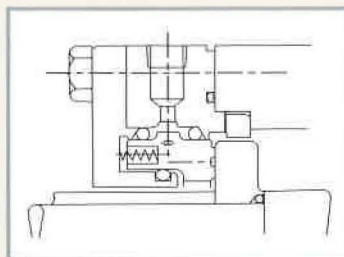
##### Suitable for environmental regulation, pharmaceutical and biochemical industries

The barrier gas is supplied into the grooves on the seal face from outside through the orifices and the opening force lifts off the seal faces to non-contact state. The seal gas consumption from narrow gap is small and process gas is sealed hermetically.

(Patent Pending US, EP, KR, CN, TW, BR, UR)

#### Performance

Pressure: 1.0MPa, Velocity: 150m/s, Size:  $\phi$ 25-400  
Application: Turbine, Blower, Compressor, Mixer, Fan



Code: MS-PEC - \*\*\* - (Size), Carbon vs SiC (Ceramic coated SUS) & Fluoro Elastomer, 316 SS