Metal Bellow Seal,
Single Acting, Independent of Direction of Rotation

Mechanical Seal
Series 60L

Standard Style
Face Materials:
Carbon, Silicon Carbide, Tungsten Carbide

Metal Parts:
SS 316, Carpenter - 42

Welded Bellows:
AM 350

Secondary Seal:
Grafoil

Applications:
- Petrochemicals
- Petroleum refinery
- Refinery

Seal Characteristics:
- Single acting
- Inherently Balanced
- Inside Mounted
- Independent of direction of rotation
- Welded Metal Bellows

Operating Limits:
Shaft diameter \( d_1 \) : 19...100 mm
Pressure \( p \) : 20 bar (max)
Temperature \( t \) : \(-20...+350^\circ C\)
Velocity \( v \) : 20 m/sec

Series 60L is welded metal bellow seal used in process pumps for high temperature and moderate pressure applications in chemical, petrochemical plants and refineries. The bellow is constructed by welding a series of diaphragms together at the edges. The bellows unit eliminates the need for springs, dynamic secondary seals and provides flexibility to the seal face wear. Drive to the seal ring is given by strong drive lugs, which also protects bellows from damage.
Part No. Description

171 + 465  Seal face shrink fitted with Metal bellows
220  Mating Ring
305  Packing
326  M.Ring Packing
431  Grub Screw
466  Rear Collar
558  Pusher
582  Allen Screw