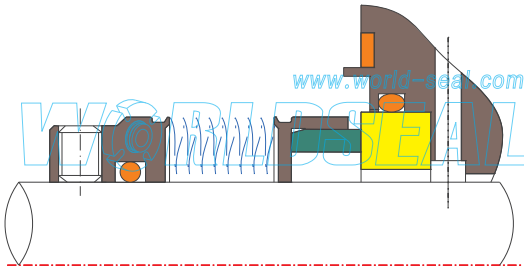


Metal bellow seal catalogue

Metal bellows are constructed by welding “leaflets” into a series of “convolutions” . This series of convolutions is referred to as the Bellows Core” .

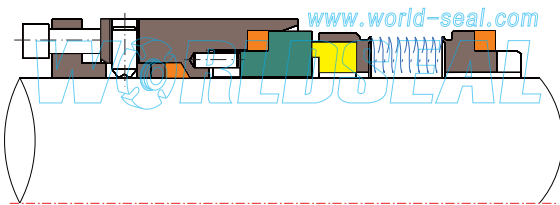
World seal (www.world-seal.com) is the leading metal bellow seal designer and manufacturer in the world. Our products can replace worldwide famous manufacturer's metal bellow seals, we can also design and manufacture according to customers' requirement.

MB-J01



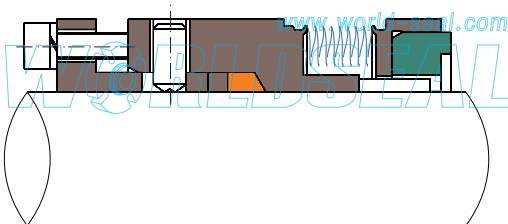
Temperature: $-20^{\circ}\text{C}\sim 200^{\circ}\text{C}$
Pressure: $\leq 2.1\text{MPa}$
Speed: $\leq 23\text{m/s}$

MB-J04



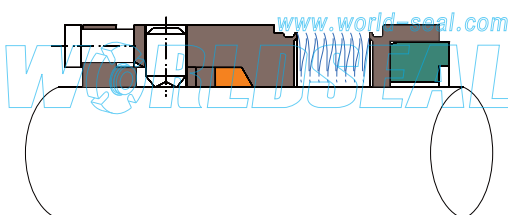
Temperature: $-75^{\circ}\text{C}\sim 425^{\circ}\text{C}$
Pressure: $\leq 2\text{MPa}$ (single wave slice)
 ≤ 6.9 (double wave slice)
Speed: $\leq 25\text{m/s}$

MB-J05



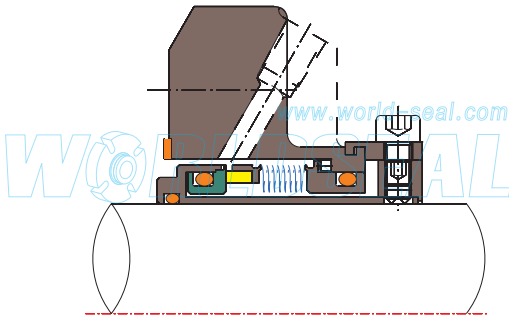
Temperature: $-75^{\circ}\text{C}\sim 425^{\circ}\text{C}$
Pressure: $\leq 2\text{MPa}$ (single wave slice)
 ≤ 6.9 (double wave slice)
Speed: $\leq 25\text{m/s}$

MB-J06



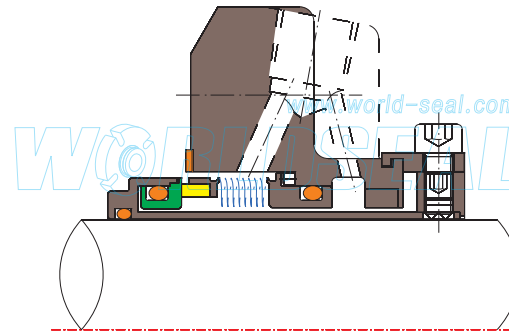
Temperature: $-75^{\circ}\text{C}\sim 425^{\circ}\text{C}$
Pressure: $\leq 2\text{MPa}$ (single wave slice)
 ≤ 6.9 (double wave slice)
Speed: $\leq 25\text{m/s}$

MB-J07



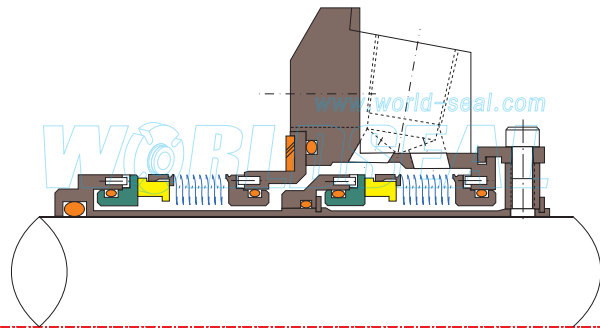
Temperature: $-30^{\circ}\text{C}\sim 205^{\circ}\text{C}$
Pressure: $\leq 2.1\text{MPa}$
Speed: $\leq 25\text{m/s}$

MB-J08



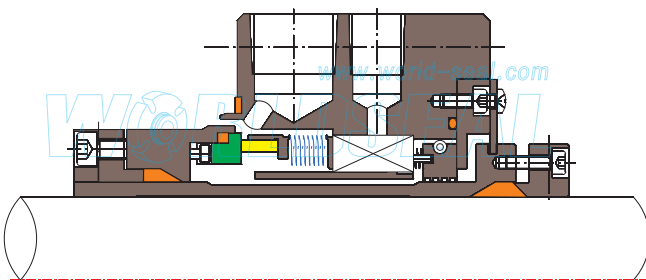
Temperature: $-30^{\circ}\text{C}\sim 205^{\circ}\text{C}$
Pressure: $\leq 2.1\text{MPa}$
Speed: $\leq 25\text{m/s}$

MB-J09



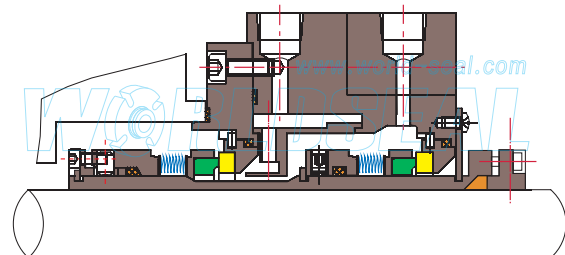
Temperature: $-30^{\circ}\text{C}\sim 205^{\circ}\text{C}$
Pressure: $\leq 2.1\text{MPa}$
Speed: $\leq 25\text{m/s}$

MB-J10



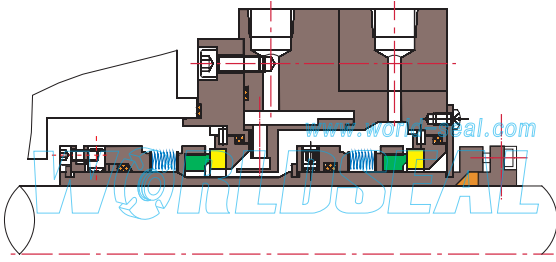
Temperature: $-75^{\circ}\text{C}\sim 425^{\circ}\text{C}$
Pressure: $\leq 2\text{MPa}$ (single wave slice)
 ≤ 6.9 (double wave slice)
Speed: $\leq 25\text{m/s}$

MB-J11



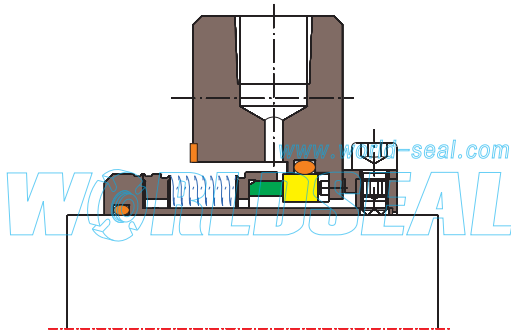
Temperature: $-75^{\circ}\text{C}\sim 425^{\circ}\text{C}$
Pressure: $\leq 2\text{MPa}$ (single wave slice)
 ≤ 6.9 (double wave slice)
Speed: $\leq 25\text{m/s}$

MB-J12



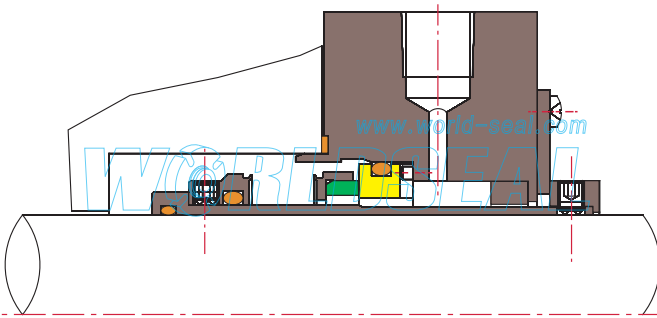
Temperature: $-75^{\circ}\text{C}\sim 425^{\circ}\text{C}$
Pressure: $\leq 2\text{MPa}$ (single wave slice)
Speed: ≤ 6.9 (double wave slice)
 $\leq 25\text{m/s}$

MB-J13



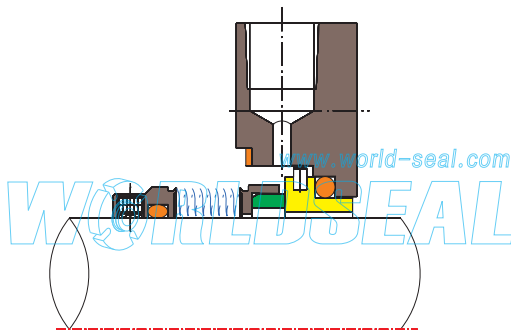
Temperature: $-30^{\circ}\text{C}\sim 200^{\circ}\text{C}$
Pressure: $\leq 2\text{MPa}$
Speed: $\leq 25\text{m/s}$

MB-PZ02



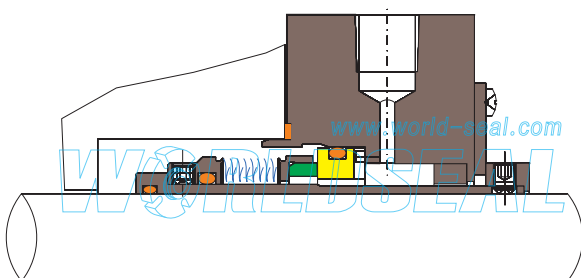
Temperature: $-40^{\circ}\text{C}\sim 200^{\circ}\text{C}$
Pressure: $\leq 2\text{MPa}$
Speed: $\leq 25\text{m/s}$

MB-FS01



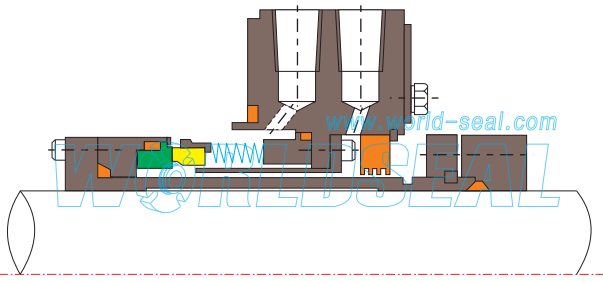
Temperature: $-30^{\circ}\text{C}\sim 204^{\circ}\text{C}$
Pressure: $\leq 2.1\text{MPa}$
Speed: $\leq 23\text{m/s}$

MB-FS02



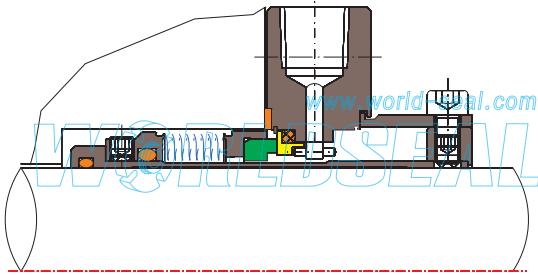
Temperature: $-30^{\circ}\text{C}\sim 204^{\circ}\text{C}$
Pressure: $\leq 2.7\text{MPa}$
Speed: $\leq 23\text{m/s}$

MB-FS03



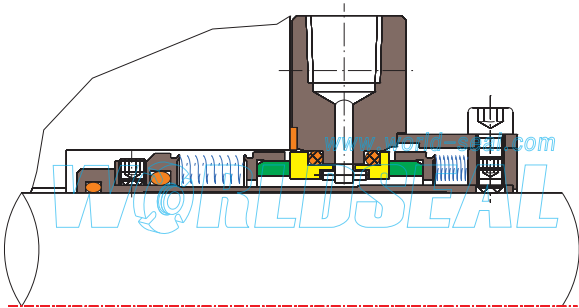
Temperature: $-73^{\circ}\text{C}\sim 427^{\circ}\text{C}$
Pressure: $\leq 2.07\text{MPa}$
Speed: $\leq 46\text{m/s}$

MB-FS06



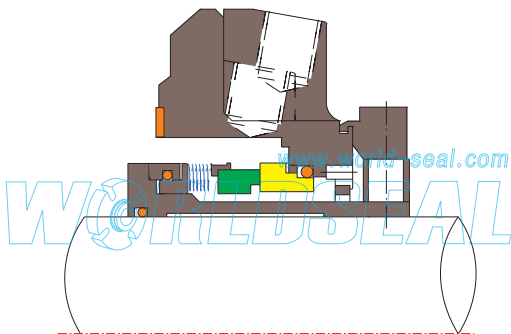
Temperature: $-30^{\circ}\text{C}\sim 204^{\circ}\text{C}$
Pressure: $\leq 2\text{MPa}$
Speed: $\leq 25\text{m/s}$

MB-FS07



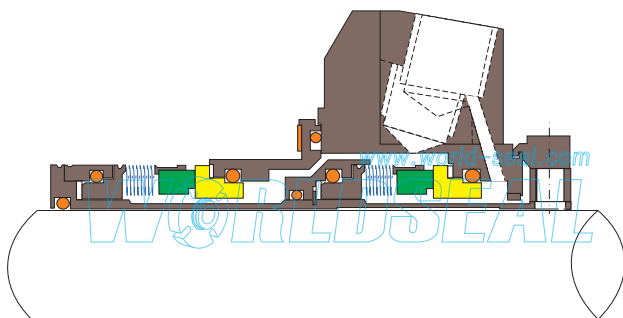
Temperature: $-30^{\circ}\text{C}\sim 204^{\circ}\text{C}$
Pressure: $\leq 2\text{MPa}$
Speed: $\leq 25\text{m/s}$

MB-FS08



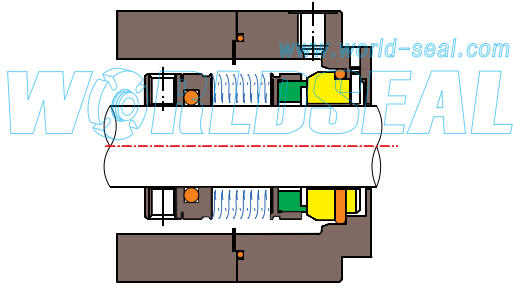
Temperature: $-40^{\circ}\text{C}\sim 220^{\circ}\text{C}$
Pressure: $\leq 2\text{MPa}$
Speed: $\leq 23\text{m/s}$

MB-FS09



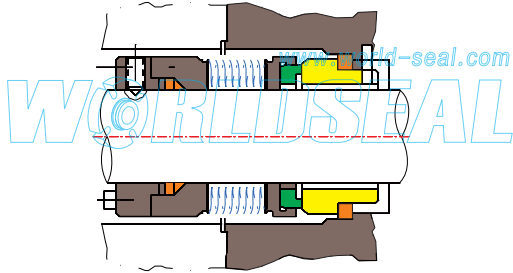
Temperature: $-30^{\circ}\text{C}\sim 205^{\circ}\text{C}$
Pressure: $\leq 2.1\text{MPa}$ (shaft diameter $\leq 75\text{mm}$)
 $\leq 1.3\text{MPa}$ (shaft diameter $> 75\text{mm}$)
Speed: $\leq 25\text{m/s}$

MB-B01



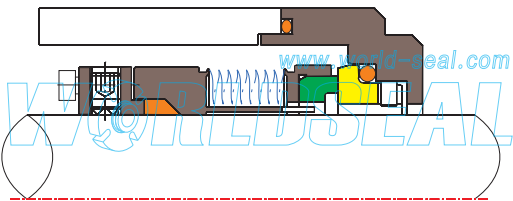
Temperature: $-40^{\circ}\text{C}\sim 220^{\circ}\text{C}$
Pressure: $\leq 2.5\text{MPa}$
Speed: $\leq 20\text{m/s}$

MB-B03



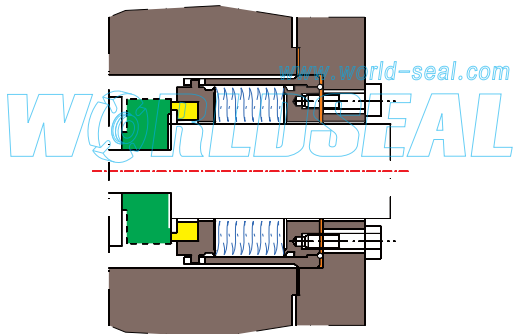
Temperature: $-75^{\circ}\text{C}\sim 400^{\circ}\text{C}$
Pressure: $\leq 2.5\text{MPa}$
Speed: $\leq 20\text{m/s}$

MB-B04



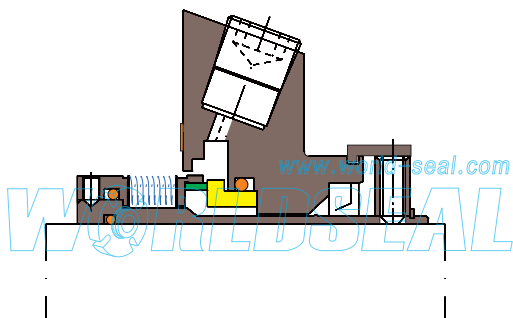
Temperature: $-100^{\circ}\text{C}\sim 400^{\circ}\text{C}$
Pressure: $\leq 2.5\text{MPa}$
Speed: $\leq 20\text{m/s}$

MB-B05



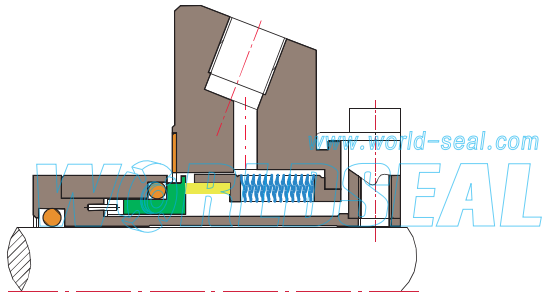
Temperature: $-20^{\circ}\text{C}\sim 400^{\circ}\text{C}$
Pressure: $\leq 2.5\text{MPa}$
Speed: $\leq 30\text{m/s}$

MB-B06



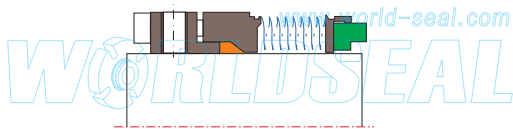
Temperature: $-40^{\circ}\text{C}\sim 220^{\circ}\text{C}$
Pressure: $\leq 2\text{MPa}$
Speed: $\leq 25\text{m/s}$

MB-B07



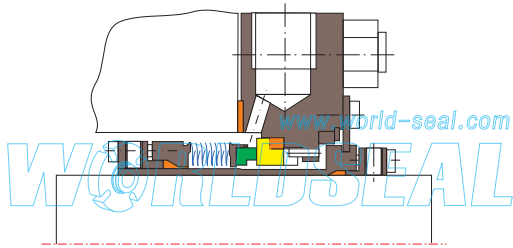
Temperature: $-30^{\circ}\text{C}\sim 200^{\circ}\text{C}$
Pressure: $\leq 2\text{MPa}$
Speed: $\leq 25\text{m/s}$

MB-C01



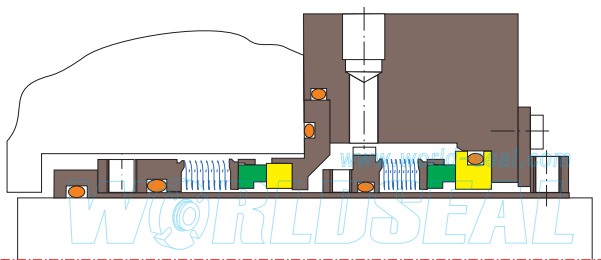
Temperature: $-73^{\circ}\text{C}\sim 427^{\circ}\text{C}$
Pressure: $\leq 2\text{MPa}$
Speed: $\leq 20\text{m/s}$

MB-C02



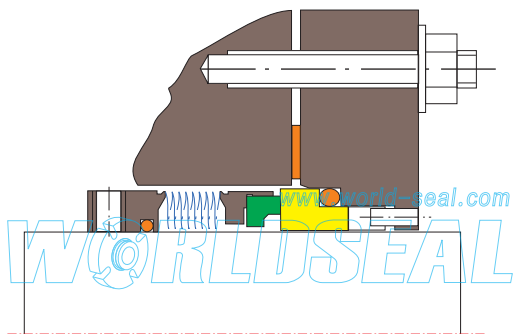
Temperature: $-73^{\circ}\text{C}\sim 427^{\circ}\text{C}$
Pressure: $\leq 2\text{MPa}$
Speed: $\leq 20\text{m/s}$

MB-C03



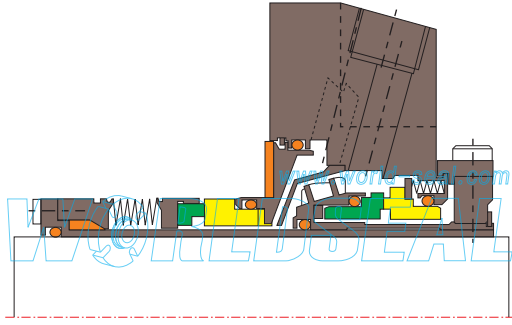
Temperature: $-30^{\circ}\text{C}\sim 204^{\circ}\text{C}$
Pressure: $\leq 2\text{MPa}$
Speed: $\leq 20\text{m/s}$

MB-A01



Temperature: $-30^{\circ}\text{C}\sim 204^{\circ}\text{C}$
Pressure: $\leq 2\text{MPa}$
Speed: $\leq 20\text{m/s}$

MB-A02



Temperature: $-30^{\circ}\text{C}\sim 204^{\circ}\text{C}$
Pressure: $\leq 2\text{MPa}$
Speed: $\leq 20\text{m/s}$

MB-A04



Temperature: $-30^{\circ}\text{C}\sim 200^{\circ}\text{C}$
Pressure: $\leq 2\text{MPa}$
Speed: $\leq 20\text{m/s}$

MB-A05



Temperature: $-100^{\circ}\text{C}\sim 400^{\circ}\text{C}$
Pressure: $\leq 2\text{MPa}$
Speed: $\leq 20\text{m/s}$

Technical information about metal bellow seal

Welded metal bellow seals are mechanical parts made from specific metal sheets with stamping and welding process. In the production process, first, single-chip wave plate of convex and concave piece are formed from special metal by stamping machines. And then, a pair of convex and concave piece are welded at the inside diameter. At last, several combination of pieces are welded at the outside diameter to form a metal bellow core. Welded metal bellows mechanical seal belongs to a special mechanical seal products, which use metal bellows core as an elastic element.