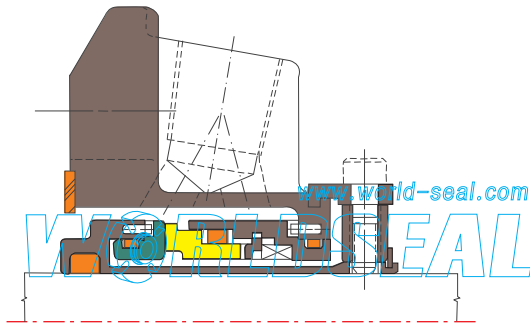


# Single cartridge mechanical seal catalogue

Single cartridge mechanical seal are seals which assemble the sleeve, gland and component seal together.

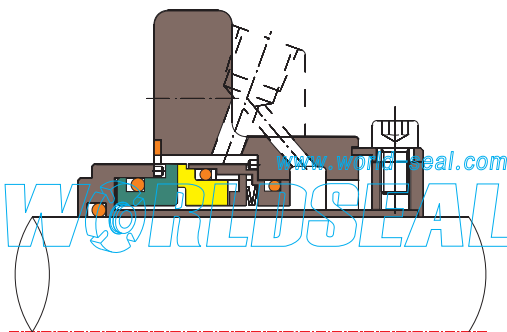
World seal ([www.world-seal.com](http://www.world-seal.com)) is the leading single cartridge seal designer and manufacturer in the world. Our products can replace worldwide famous manufacturer's single cartridge seals, we can also design and manufacture according to customers' requirement.

SC-J01



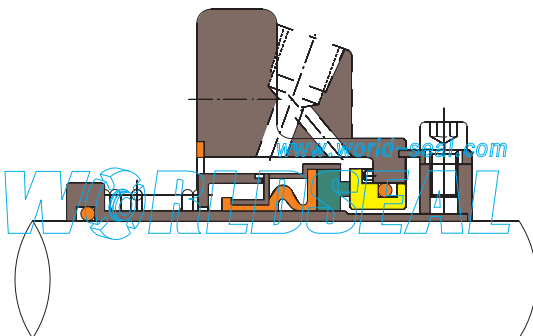
Temperature:  $-30^{\circ}\text{C}\sim 205^{\circ}\text{C}$   
Pressure:  $\leq 2.1\text{MPa}$ (shaft diameter $\leq 75\text{mm}$ )  
 $\leq 1.3\text{MPa}$ (shaft diameter $>75\text{mm}$ )  
Speed:  $\leq 25\text{m/s}$

SC-J02



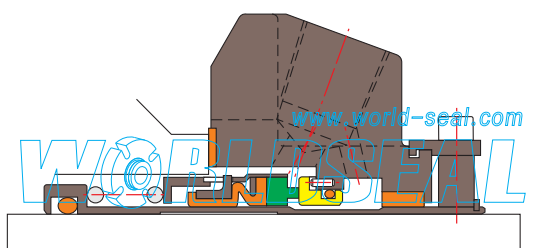
Temperature:  $-30^{\circ}\text{C}\sim 205^{\circ}\text{C}$   
Pressure:  $\leq 2.1\text{MPa}$ (shaft diameter $\leq 75\text{mm}$ )  
 $\leq 1.3\text{MPa}$ (shaft diameter $>75\text{mm}$ )  
Speed:  $\leq 25\text{m/s}$

SC-J03



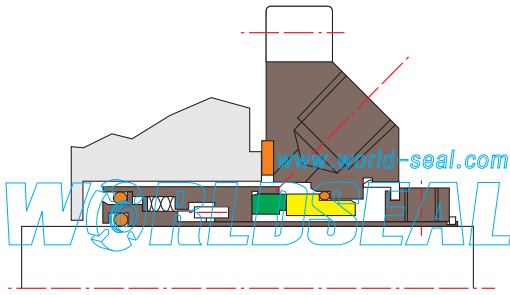
Temperature:  $-30^{\circ}\text{C}\sim 205^{\circ}\text{C}$   
Pressure:  $\leq 2.8\text{MPa}$   
Speed:  $\leq 25\text{m/s}$

SC-J04



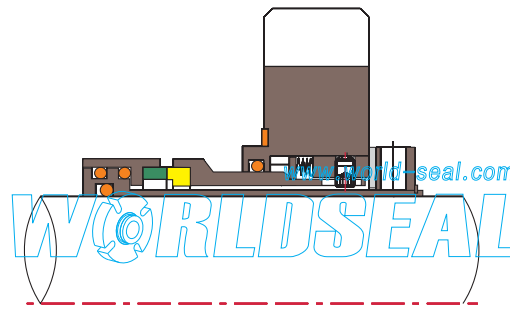
Temperature:  $-30^{\circ}\text{C}\sim 205^{\circ}\text{C}$   
Pressure:  $\leq 2.8\text{MPa}$   
Speed:  $\leq 25\text{m/s}$

SC-J05



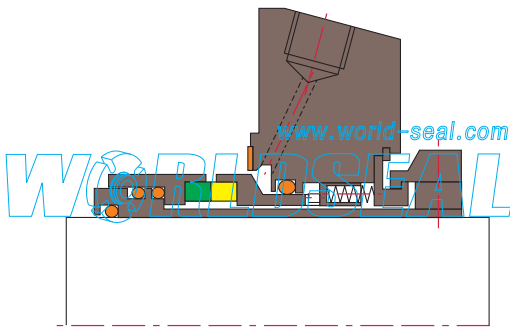
Temperature:  $-30^{\circ}\text{C}\sim 205^{\circ}\text{C}$   
Pressure:  $\leq 2.1\text{MPa}$   
Speed:  $\leq 18\text{m/s}$

SC-J06



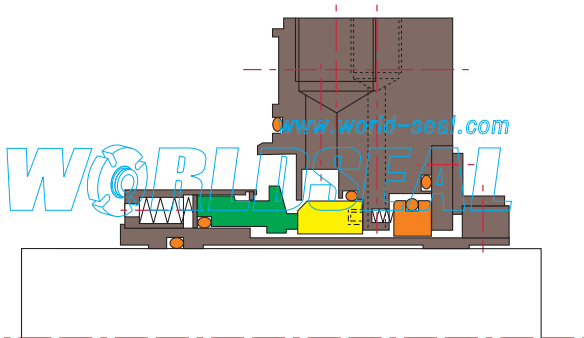
Temperature:  $-20^{\circ}\text{C}\sim 120^{\circ}\text{C}$   
Pressure:  $\leq 1.5\text{MPa}$   
Speed:  $\leq 20\text{m/s}$

SC-J07



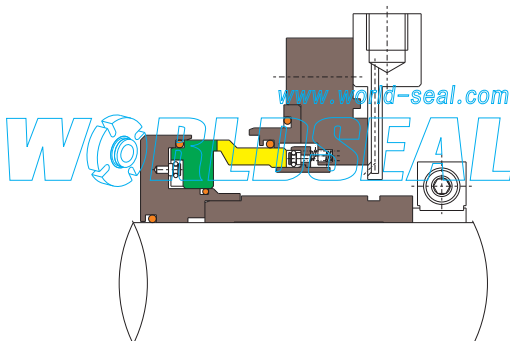
Temperature:  $-20^{\circ}\text{C}\sim 120^{\circ}\text{C}$   
Pressure:  $\leq 2\text{MPa}$   
Speed:  $\leq 20\text{m/s}$

SC-J08



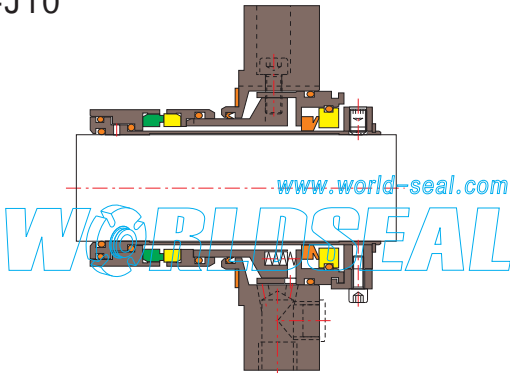
Temperature:  $-40^{\circ}\text{C}\sim 260^{\circ}\text{C}$   
Pressure:  $\leq 6.9\text{MPa}$   
Speed:  $\leq 25\text{m/s}$

SC-J09



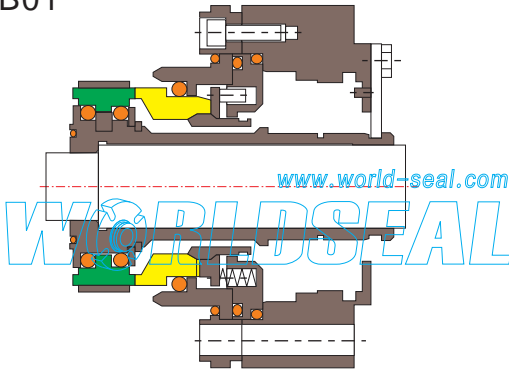
Temperature:  $< 80^{\circ}\text{C}$  or  $< 200^{\circ}\text{C}$  (water quench)  
Pressure:  $\leq 3\text{MPa}$   
Speed:  $\leq 20\text{m/s}$

SC-J10



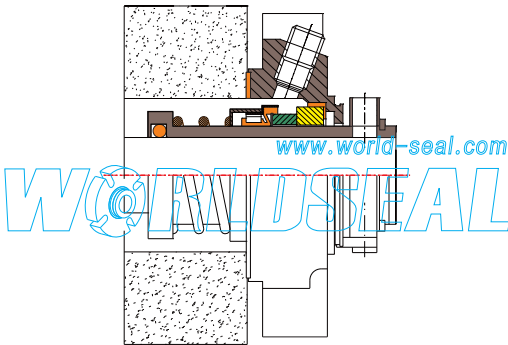
Temperature:  $\leq 150^{\circ}\text{C}$   
Pressure:  $\leq 1.5\text{MPa}$   
Speed:  $\leq 20\text{m/s}$

SC-B01



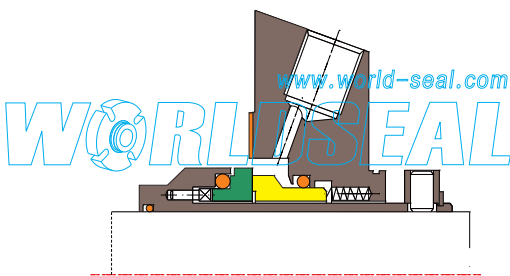
Temperature:  $-20^{\circ}\text{C} \sim 160^{\circ}\text{C}$   
Pressure:  $\leq 2.5\text{MPa}$   
Speed:  $\leq 20\text{m/s}$

SC-B02



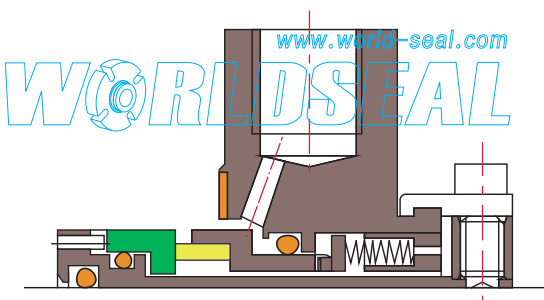
Temperature:  $-20^{\circ}\text{C} \sim 90^{\circ}\text{C}$   
Pressure:  $\leq 1.2\text{MPa}$   
Speed:  $\leq 10\text{m/s}$

SC-B03



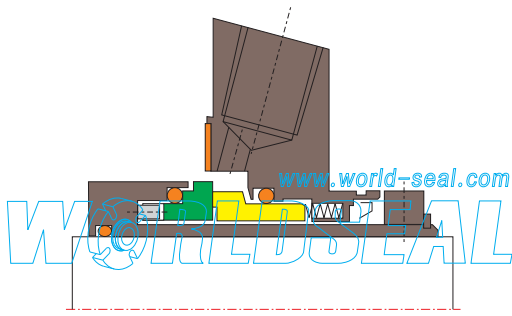
Temperature:  $-40^{\circ}\text{C} \sim 220^{\circ}\text{C}$   
Pressure:  $\leq 2.5\text{MPa}$   
Speed:  $\leq 16\text{m/s}$

SC-B04



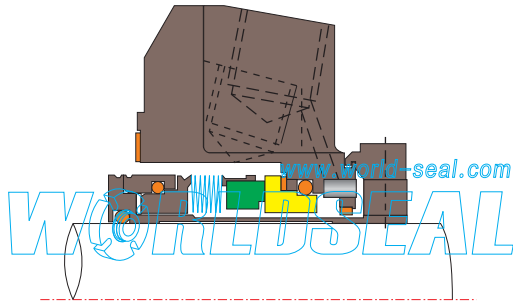
Temperature:  $-40^{\circ}\text{C} \sim 220^{\circ}\text{C}$   
Pressure:  $\leq 2.5\text{MPa}$   
Speed:  $\leq 16\text{m/s}$

SC-B05



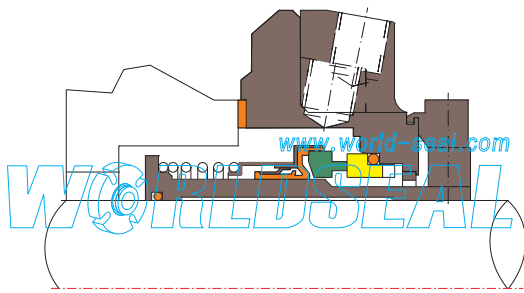
Temperature:  $-40^{\circ}\text{C} \sim 220^{\circ}\text{C}$   
Pressure:  $\leq 2.5\text{MPa}$   
Speed:  $\leq 16\text{m/s}$

SC-FS01



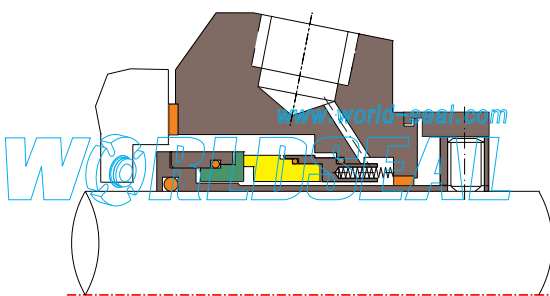
Temperature:  $-40^{\circ}\text{C} \sim 204^{\circ}\text{C}$   
Pressure:  $\leq 1.4\text{MPa}$   
Speed:  $\leq 23\text{m/s}$

SC-FS02



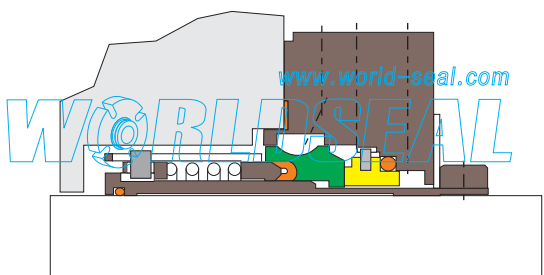
Temperature:  $-40^{\circ}\text{C} \sim 220^{\circ}\text{C}$   
Pressure:  $\leq 2\text{MPa}$   
Speed:  $\leq 23\text{m/s}$

SC-FS03



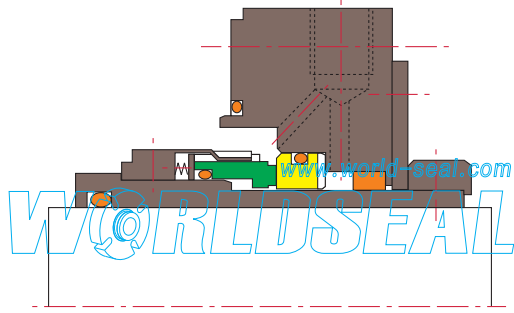
Temperature:  $-40^{\circ}\text{C} \sim 220^{\circ}\text{C}$   
Pressure:  $\leq 2\text{MPa}$   
Speed:  $\leq 23\text{m/s}$

SC-FS04



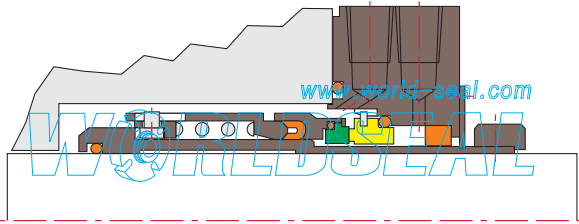
Temperature:  $-73^{\circ}\text{C} \sim 343^{\circ}\text{C}$   
Pressure:  $\leq 6.9\text{MPa}$   
Speed:  $\leq 23\text{m/s}$

SC-FS05



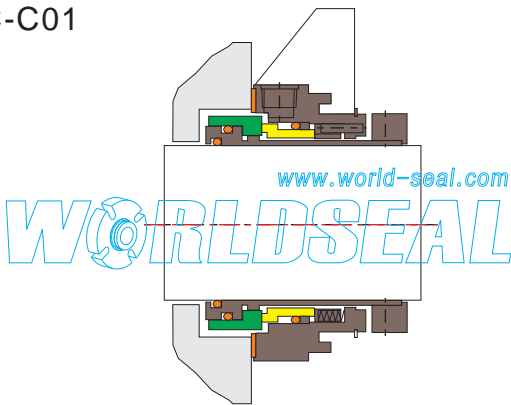
Temperature:  $-40^{\circ}\text{C} \sim 204^{\circ}\text{C}$   
Pressure:  $\leq 5.17\text{MPa}$   
Speed:  $\leq 23\text{m/s}$

SC-FS06



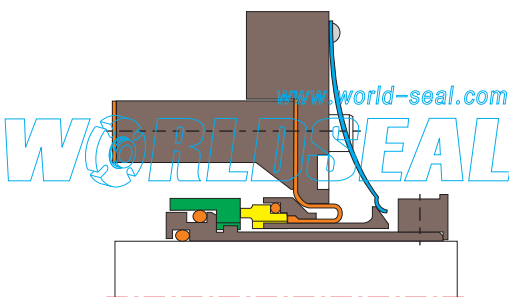
Temperature:  $-40^{\circ}\text{C} \sim 204^{\circ}\text{C}$   
Pressure:  $\leq 6.9\text{MPa}$   
Speed:  $\leq 23\text{m/s}$

SC-C01



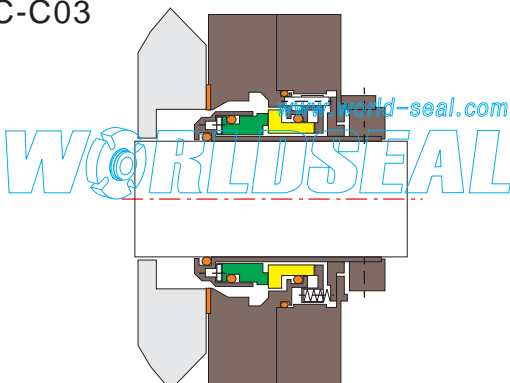
Temperature:  $-40^{\circ}\text{C} \sim 204^{\circ}\text{C}$   
Pressure:  $\leq 4\text{MPa}$   
Speed:  $\leq 20\text{m/s}$

SC-C02



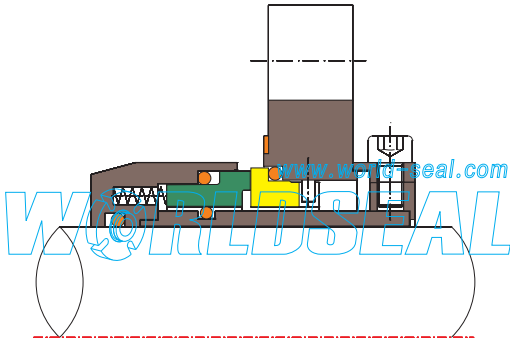
Temperature:  $\leq 93^{\circ}\text{C}$   
Pressure:  $\leq 1.03\text{MPa}$   
Speed:  $\leq 20\text{m/s}$

SC-C03



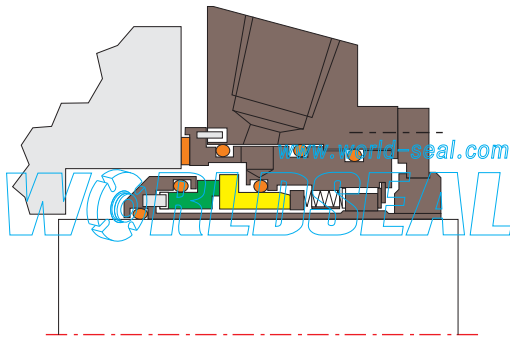
Temperature:  $-40^{\circ}\text{C} \sim 205^{\circ}\text{C}$   
Pressure:  $\leq 4\text{MPa}$   
Speed:  $\leq 25\text{m/s}$

SC-C04



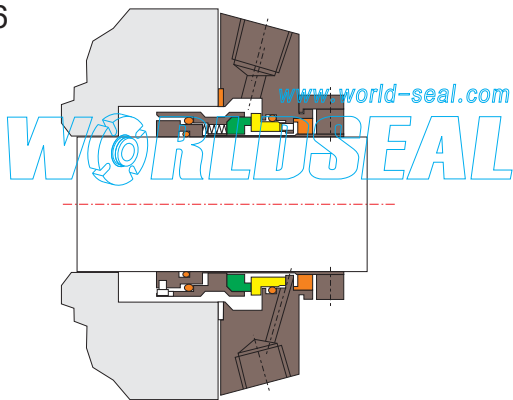
Temperature:  $-30^{\circ}\text{C}\sim 260^{\circ}\text{C}$   
Pressure:  $\leq 2\text{MPa}$   
Speed:  $\leq 25\text{m/s}$

SC-C05



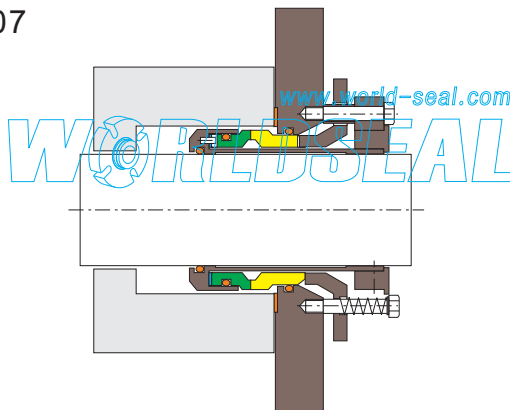
Temperature:  $-40^{\circ}\text{C}\sim 205^{\circ}\text{C}$   
Pressure:  $\leq 3.1\text{MPa}$   
Speed:  $\leq 25\text{m/s}$

SC-C06



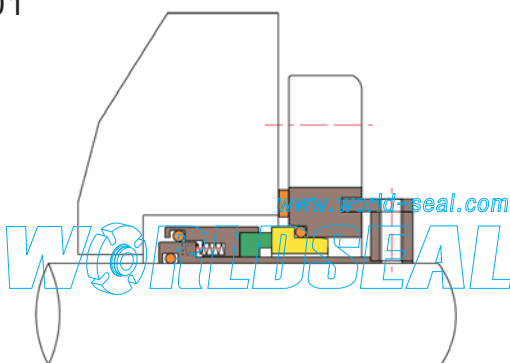
Temperature:  $-40^{\circ}\text{C}\sim 205^{\circ}\text{C}$   
Pressure:  $\leq 2.1\text{MPa}$   
Speed:  $\leq 23\text{m/s}$

SC-C07



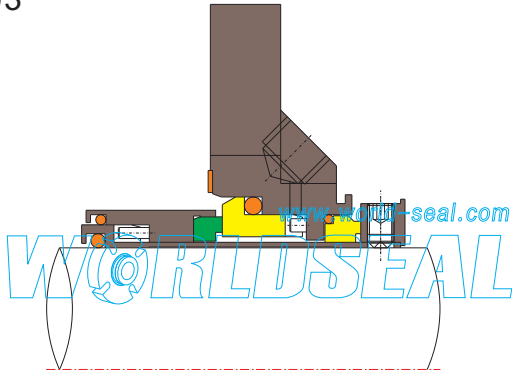
Temperature:  $-40^{\circ}\text{C}\sim 205^{\circ}\text{C}$   
Pressure:  $\leq 1.7\text{MPa}$   
Speed:  $\leq 20\text{m/s}$

SC-A01



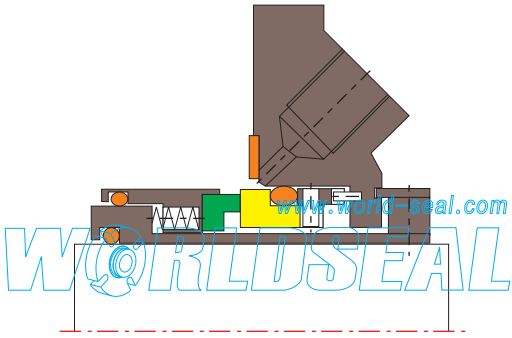
Temperature:  $-20^{\circ}\text{C}\sim 200^{\circ}\text{C}$   
Pressure:  $\leq 2.5\text{MPa}$   
Speed:  $\leq 16\text{m/s}$

SC-A03



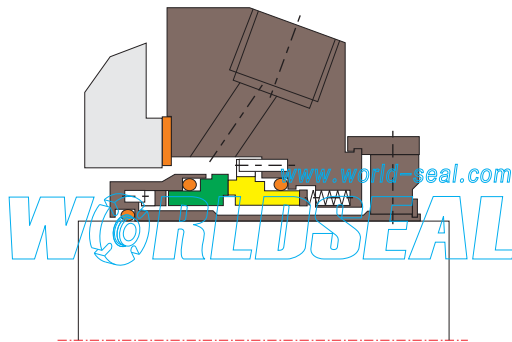
Temperature:  $-30^{\circ}\text{C}\sim 200^{\circ}\text{C}$   
Pressure:  $\leq 2.3\text{MPa}$   
Speed:  $\leq 16\text{m/s}$

SC-A04



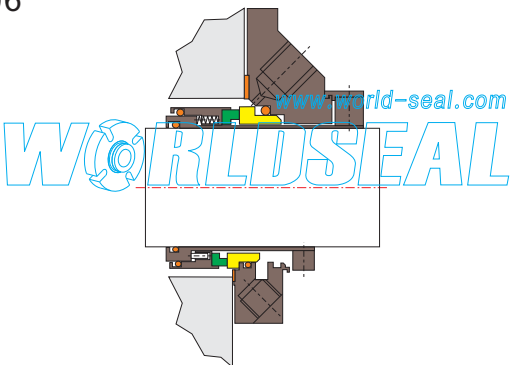
Temperature:  $-30^{\circ}\text{C}\sim 200^{\circ}\text{C}$   
Pressure:  $\leq 2.3\text{MPa}$   
Speed:  $\leq 23\text{m/s}$

SC-A05



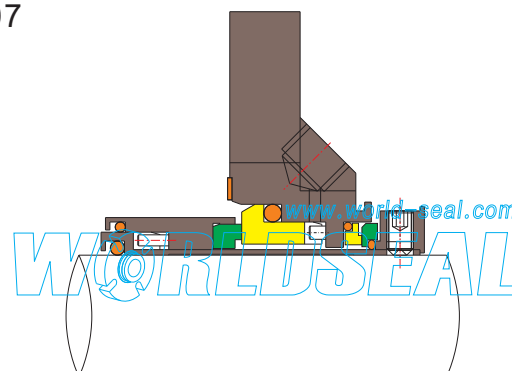
Temperature:  $-30^{\circ}\text{C}\sim 200^{\circ}\text{C}$   
Pressure:  $\leq 2.3\text{MPa}$   
Speed:  $\leq 23\text{m/s}$

SC-A06



Temperature:  $-30^{\circ}\text{C}\sim 200^{\circ}\text{C}$   
Pressure:  $\leq 2.3\text{MPa}$   
Speed:  $\leq 23\text{m/s}$

SC-A07



Temperature:  $-30^{\circ}\text{C}\sim 200^{\circ}\text{C}$   
Pressure:  $\leq 2.3\text{MPa}$   
Speed:  $\leq 23\text{m/s}$

## Technical information about single cartridge mechanical seal

A "cartridge seal" is a prepackaged seal that is common in more complex applications. Cartridge seals were originally designed for installation in equipment where a component type seal was difficult due to the design of the equipment. A cartridge type mechanical seal is a pre-assembled package of seal components making installation much easier with fewer points for potential installation errors to occur. The assembly is "pre-set" so that no installed length calculations must be performed for determining where to set the seal. This pre-set is achieved by the use of "set tabs" that are removed once the seal is installed and the pump assembled.



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