

PV500系列

■适用工况

主要应用于高温、高压的水及烃类介质

■结构特点

单端面结构

平衡型设计

多弹簧结构设计

端面凹槽动压垫设计

旋转环头部的锤型形状

“J₁”高强度静环

通常为集装式设计，其型号为 CPV500

■结构材料

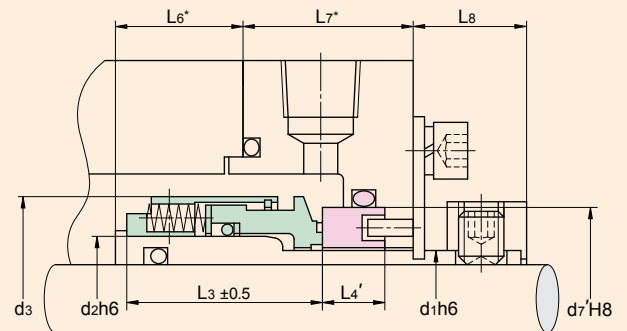
摩擦副匹配：

PV500：Carbon × SSiC

过流金属：304、316

弹簧：Hast-C4

密封圈：FKM、KALREZ®



安装尺寸表

| Size | d ₁ | d ₂ | d ₃ | d ₇ ' | L ₃ | L ₄ ' | L ₆ | L ₇ | L ₈ |
|------|----------------|----------------|----------------|------------------|----------------|------------------|----------------|----------------|----------------|
| 025 | 24.0 | 30.0 | 44.0 | 40.4 | 34.5 | 11.0 | 12.5 | 40.0 | 18.0 |
| 028 | 27.0 | 33.0 | 47.0 | 43.4 | 37.5 | 11.0 | 15.5 | 40.0 | 18.0 |
| 030 | 29.0 | 35.0 | 49.0 | 45.4 | 38.0 | 11.0 | 16.0 | 40.0 | 18.0 |
| 033 | 32.0 | 38.0 | 54.0 | 48.4 | 38.0 | 11.0 | 16.0 | 40.0 | 18.0 |
| 035 | 34.0 | 40.0 | 56.0 | 50.4 | 38.0 | 11.0 | 16.0 | 40.0 | 18.0 |
| 038 | 37.0 | 43.0 | 59.0 | 53.4 | 39.5 | 11.0 | 17.5 | 40.0 | 18.0 |
| 040 | 39.0 | 45.0 | 61.0 | 58.4 | 39.5 | 13.0 | 12.5 | 50.0 | 18.0 |
| 043 | 42.0 | 48.0 | 64.0 | 61.4 | 39.5 | 13.0 | 12.5 | 50.0 | 18.0 |
| 045 | 44.0 | 50.0 | 66.0 | 63.4 | 39.5 | 13.0 | 12.5 | 50.0 | 18.0 |
| 048 | 47.0 | 53.0 | 69.0 | 66.4 | 39.5 | 13.0 | 12.5 | 50.0 | 18.0 |
| 050 | 49.0 | 55.0 | 71.0 | 68.4 | 44.0 | 13.0 | 17.0 | 50.0 | 18.0 |
| 053 | 52.0 | 58.0 | 78.0 | 74.4 | 44.0 | 14.0 | 17.0 | 51.0 | 21.0 |
| 055 | 54.0 | 60.0 | 80.0 | 76.4 | 44.0 | 14.0 | 17.0 | 51.0 | 21.0 |
| 058 | 57.0 | 63.0 | 83.0 | 79.4 | 49.0 | 14.0 | 22.0 | 51.0 | 21.0 |
| 060 | 59.0 | 65.0 | 85.0 | 81.4 | 49.0 | 14.0 | 22.0 | 51.0 | 21.0 |
| 063 | 62.0 | 68.0 | 88.0 | 84.4 | 49.0 | 14.0 | 22.0 | 51.0 | 21.0 |
| 065 | 64.0 | 70.0 | 90.0 | 86.4 | 49.0 | 16.0 | 20.0 | 55.0 | 21.0 |
| 070 | 69.0 | 75.0 | 95.0 | 91.4 | 55.5 | 16.0 | 26.5 | 55.0 | 21.0 |
| 075 | 74.0 | 80.0 | 104.0 | 96.4 | 55.5 | 16.0 | 26.5 | 55.0 | 21.0 |
| 080 | 79.0 | 85.0 | 109.0 | 101.4 | 55.0 | 20.0 | 25.0 | 60.0 | 23.0 |
| 085 | 84.0 | 90.0 | 114.0 | 106.4 | 60.0 | 20.0 | 30.0 | 60.0 | 23.0 |
| 090 | 89.0 | 95.0 | 119.0 | 111.4 | 60.0 | 20.0 | 30.0 | 60.0 | 23.0 |
| 095 | 94.0 | 100.0 | 124.0 | 116.4 | 60.0 | 20.0 | 30.0 | 60.0 | 23.0 |
| 100 | 99.0 | 105.0 | 129.0 | 122.4 | 60.0 | 20.0 | 30.0 | 60.0 | 23.0 |

* * 为参考尺寸 is reference value

运行参数 Operating Parameters

温度 Temperature：-40 to +260

(-40 ℉ to +500 ℉)

压力 Pressure：to 80bar

速度 Speed：to 25m/s

Applications

Designed for high temperature and high pressure water as well as hydrocarbons

Structure Features

Single seal

Balanced

Multiple springs

Seal face has concave dynamic gasket

Hammer shape of rotary head

“J₁” type high strength seat

Normally is designed as cartridge structure as type CPV500

Materials

Seal face：

PV500：Carbon × SSiC

Metal parts：304,316

Springs：Hast-C4

Seal ring：FKM,KALREZ®