

## D511系列

### 应用工况

适用于密封易挥发、易气蚀、有毒的工艺介质，如常见的丙烯、丙烷等。

### 结构特点

无压双端面密封，同向排布

主密封为平衡型密封，次级密封为非平衡型密封

次密封自身提供缓冲液循环的动力来源。

D511 主密封采用“O”型橡胶圈作为辅助密封

D511A 主密封采用楔形 PTFE 作为辅助密封

主、次密封采用“T<sub>0</sub>”及“HA”结构环作为各自静环的标准配置。

符合 EN 12756、ISO3069 标准

通常为集装式设计，其型号为 CD511 及 CD511A

### 冲洗应用

需要 PLAN 52 冲洗方案支持

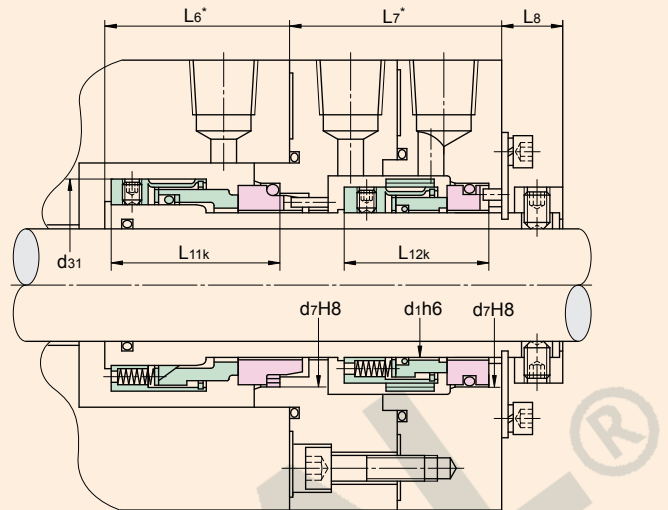
### 结构材料

摩擦环匹配：Carbon x SiC/WC+ Carbon x SiC

过流金属：304、316

弹簧：316、Hast-C4

密封圈：NBR、FKM、PTFE



### Applications

Designed for sealing volatile, cavitation and toxic process media, such as propylene and propane, etc

### Structure Features

Pressureless double seal, isodirectional arrangement

Primary seal is balanced seal; secondary seal is unbalanced seal

With self-provided drive resource of buffer fluid circulation

D511 primary seal takes “O” type rubber ring as auxiliary seal

D511A primary seal takes wedge type PTFE ring as auxiliary seal

Primary seal and secondary seal take “T<sub>0</sub>” and “HA” ring as their standard configuration of stationary seat

In accordance with EN 12756, ISO3069

Usually provide cartridge design as CD511 and CD511A

### Flush Applications

Use PLAN 52

### Materials

Seal face：Carbon x SiC/WC+ Carbon x SiC

Metal parts：304, 316

Springs：316, Hast-C4

Seal ring：NBR, FKM, PTFE

安装尺寸表

|      | mm             |                 |                |                  |                  |                |                |                |  |
|------|----------------|-----------------|----------------|------------------|------------------|----------------|----------------|----------------|--|
| Size | d <sub>1</sub> | d <sub>31</sub> | d <sub>7</sub> | L <sub>11k</sub> | L <sub>12k</sub> | L <sub>6</sub> | L <sub>7</sub> | L <sub>8</sub> |  |
| 030  | 30.0           | 49.0            | 45.0           | 50.0             | 42.5             | 51.5           | 66.0           | 18.0           |  |
| 033  | 33.0           | 54.0            | 48.0           | 50.0             | 42.5             | 50.5           | 67.0           | 18.0           |  |
| 035  | 35.0           | 56.0            | 50.0           | 50.0             | 42.5             | 50.5           | 67.0           | 18.0           |  |
| 038  | 38.0           | 59.0            | 56.0           | 52.5             | 45.0             | 54.5           | 68.0           | 18.0           |  |
| 040  | 40.0           | 61.0            | 58.0           | 52.5             | 45.0             | 54.5           | 68.0           | 18.0           |  |
| 043  | 43.0           | 64.0            | 61.0           | 52.5             | 45.0             | 54.5           | 68.0           | 18.0           |  |
| 045  | 45.0           | 66.0            | 63.0           | 52.5             | 45.0             | 54.5           | 68.0           | 18.0           |  |
| 048  | 48.0           | 69.0            | 66.0           | 52.5             | 45.0             | 52.0           | 70.5           | 18.0           |  |
| 050  | 50.0           | 71.0            | 70.0           | 57.5             | 47.5             | 58.0           | 72.0           | 18.0           |  |
| 053  | 53.0           | 78.0            | 73.0           | 57.5             | 47.5             | 57.0           | 73.0           | 21.0           |  |
| 055  | 55.0           | 80.0            | 75.0           | 57.5             | 47.5             | 57.0           | 73.0           | 21.0           |  |
| 058  | 58.0           | 83.0            | 78.0           | 62.5             | 52.5             | 64.0           | 76.0           | 21.0           |  |
| 060  | 60.0           | 85.0            | 80.0           | 62.5             | 52.5             | 64.0           | 76.0           | 21.0           |  |
| 063  | 63.0           | 88.0            | 83.0           | 62.5             | 52.5             | 64.0           | 76.0           | 21.0           |  |
| 065  | 65.0           | 90.0            | 85.0           | 62.5             | 52.5             | 64.0           | 76.0           | 21.0           |  |
| 070  | 70.0           | 95.0            | 92.0           | 70.0             | 60.0             | 71.5           | 83.5           | 21.0           |  |
| 075  | 75.0           | 104.0           | 97.0           | 70.0             | 60.0             | 72.0           | 83.0           | 21.0           |  |
| 080  | 80.0           | 109.0           | 105.0          | 70.0             | 60.0             | 72.0           | 83.0           | 22.0           |  |
| 085  | 85.0           | 114.0           | 110.0          | 75.0             | 60.0             | 77.0           | 83.0           | 22.0           |  |
| 090  | 90.0           | 119.0           | 115.0          | 75.0             | 65.0             | 77.0           | 88.0           | 22.0           |  |
| 095  | 95.0           | 124.0           | 120.0          | 75.0             | 65.0             | 77.0           | 88.0           | 22.0           |  |
| 100  | 100.0          | 129.0           | 125.0          | 75.0             | 65.0             | 77.0           | 88.0           | 22.0           |  |

“\*” 为参考尺寸 is reference value

### 运行参数 Operating Parameters

#### 温度 Temperature

D511：-40 to +200 (-40 F to +392 F)

D511A：-40 to +240 (-40 F to +464 F)

压力 Pressure：to 40bar

速度 Speed：to 25m/s