

B41&B42系列

■适用工况

主要应用于密封浆类、高粘度及含少量颗粒的介质

■结构特点

单端面结构

平衡型设计

无旋向要求

圆柱螺旋单弹簧设计

弹簧具有较好的耐腐蚀性

拨叉扭矩传动形式

B41动、静辅助密封形式采用“U”与“O”型橡胶密封圈的组合

B42动、静辅助密封形式采用“V”与“V”型PTFE密封圈的组合

B41及B42的旋转环均有密封圈过渡联结及镶装两种结构形式

可满足API610泵腔尺寸

■结构材料

摩擦副匹配：

B418,B417,B428,B427：SSiC/WC × Carbon

B4110,B415,B4210,B425：SSiC/WC × WC

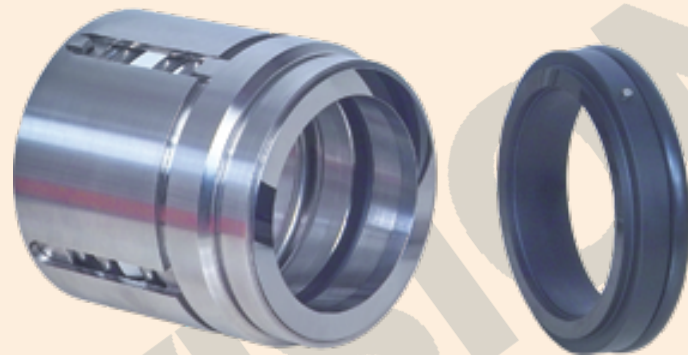
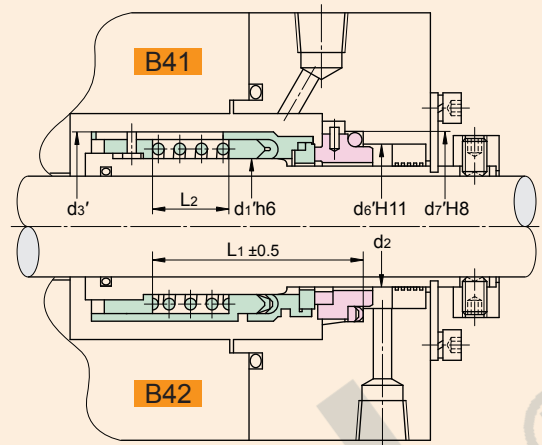
过流金属：304、316

弹簧：316

密封圈：

B41：NBR、FKM、MVQ

B42：PTFE



安装尺寸表

Size	d1'	d2	d3'	d6'	d7'	L1	L2	mm
1750	44.5	39.6	62.0	52.5	62.0	69.0	25.0	
2125	54.0	47.6	76.0	64.0	76.1	92.0	35.0	
2250	57.0	52.3	75.0	64.0	73.0	71.0	27.0	
2500	63.5	57.1	85.5	70.5	82.6	95.0	45.0	
2875	73.0	66.6	95.0	80.0	92.0	93.0	32.0	
3250	82.6	76.2	104.6	91.4	101.4	93.0	32.0	
3375	85.7	79.3	112.4	100.3	112.7	101.7	37.0	
3625	92.0	85.7	114.5	102.0	114.0	97.5	36.5	
4000	102.0	95.2	125.4	107.7	121.0	102.0	38.5	
4500	114.3	107.8	142.0	124.0	136.6	103.7	36.5	
4875	123.8	115.8	150.0	132.5	145.5	100.7	36.5	

Materials

Seal face：

B418,B417,B428,B427：SSiC/WC × Carbon

B4110,B415,B4210,B425：SSiC/WC × WC

Metal parts：304,316

Spring：316

Seal ring：

B41：NBR,FKM,MVQ

B42：PTFE

运行参数 Operating Parameters

温度 Temperature：

B41：-20 to + 180 (-4 F to + 356 F)

B42：-20 to + 220 (-4 F to + 428 F)

压力 Pressure：to 40bar

速度 Speed：to 20m/s

Applications

Designed for sealing slurry, high viscosity and less granule media

Structure Features

Single seal

Balanced

Independent of direction of rotation

Cylinder single spring

Spring has excellent corrosive resistance

Suitable for bigger axial movement

Fork - type torque driving

B41 secondary seal for rotary and stationary face is the combination of “U” ring and “O” ring

B42 secondary seal for rotary and stationary face is the combination of PTFE “V” ring and “V” ring

Rotary face of B41 and B42 has both seal ring transition connection and shrink - fitted two types

In accordance with dimension of API 610 pump chamber