

Vacuum device

Accessories

Vacuum pad: VP series, Standard, Soft bellows type

Ordering code

***VP 6 L B N**

① ② ③

- ① **Size**
 4... φ4
 6... φ6
 8... φ8
 10... φ10
 15... φ15
 20... φ20
 30... φ30
 40... φ40
- ② **Shape**
 Blank ... Standard type
 B ... Bellows type
- ③ **Pad material**
 N...Nitrile (black)
 S...Silicone (white)
 F...Fluorosilicone (red)

Pad size [mm]		φ4	φ6	φ8	φ10	φ15	φ20	φ30	φ40
Pad material	Nitrile:N	○							
	Silicone:S								
	Fluorosilicone:F								
Temperature range of use	Nitrile:N [°C]	-30~100							
	Silicone:S [°C]	-15~150							
	Fluorosilicone:F [°C]	-50~210							
Slide bracket	*SMA-1/*SMC-1/ *SMD-1	×				○			
	*SMA-2/*SMC-2/ *SMD-2	○				×			

*VP4 series does not have a bellows type.

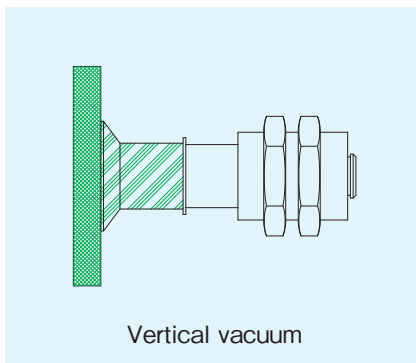
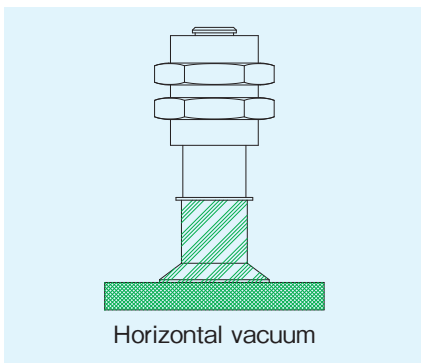
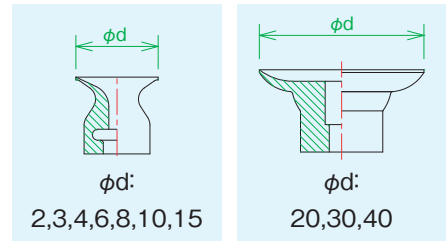
Vacuum device

Vacuum capacity (Lifting capacity)

Reference

Pad size [mm]	φ2	φ3	φ4	φ6	φ8	φ10	φ15	φ20	φ30	φ40
Vacuum capacity [g]	5	10	20	40	80	130	290	520	1100	2100






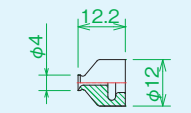
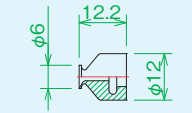
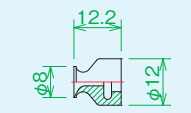
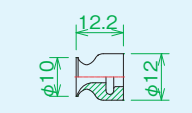
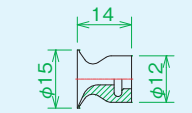
- The vacuum capacity is referred to the horizontal vacuum capacity at a vacuum pressure of 67 (-kPa) with no lateral slip. This is a theoretical value. The actual designing must be calculated by 1/4 of the shown value as taking the safety rate into account. The vertical vacuum capacity is approximately 1/2 of the horizontal vacuum capacity.
- The shown vacuum capacity is calculated in static conditions. Give enough allowance for the weight of the parts and the force from the acceleration. Also, assure enough allowance when deciding the quantity of the pads and their layouts. The vacuum capacity values should only be used as reference values and, if necessary, perform vacuum tests to verify the actual values before use.



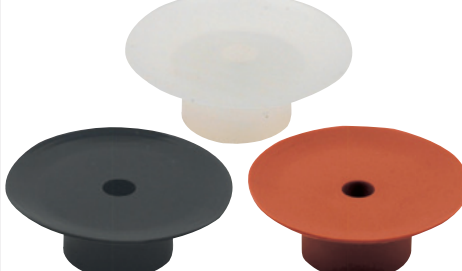
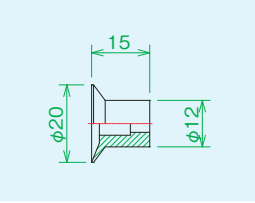
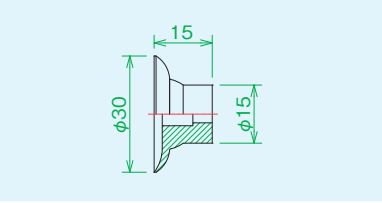
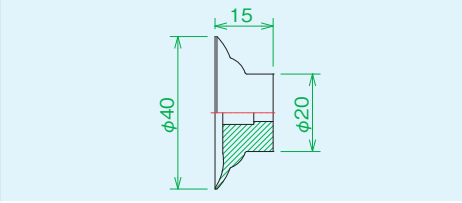


Vacuum device

Accessories **RHS2**

Vacuum pad: TypeVP, Standard

Pad diameter [φ]	4	6	8	10	15
Vacuum pad					
Drawing					
Material : Silicone (white) Heat-resistant temperature : -15~150°C					
Product name	Vacuum pad:VP4LS	Vacuum pad:VP6LS	Vacuum pad:VP8LS	Vacuum pad:VP10LS	Vacuum pad:VP15LS
Part code	*VP4LS	*VP6LS	*VP8LS	*VP10LS	*VP15LS
Weight	0.9g	0.9g	0.8g	1.0g	0.9g
Material : Nitrile (black) Heat-resistant temperature : -30~100°C					
Product name	Vacuum pad:VP4LN	Vacuum pad:VP6LN	Vacuum pad:VP8LN	Vacuum pad:VP10LN	Vacuum pad:VP15LN
Part code	*VP4LN	*VP6LN	*VP8LN	*VP10LN	*VP15LN
Weight	1.0g	1.0g	0.9g	1.0g	1.0g
Material : Fluorosilicone (brown) Heat-resistant temperature : -50~210°C					
Product name	Vacuum pad:VP4LFS	Vacuum pad:VP6LFS	Vacuum pad:VP8LFS	Vacuum pad:VP10LFS	Vacuum pad:VP15LFS
Part code	*VP4LFS	*VP6LFS	*VP8LFS	*VP10LFS	*VP15LFS
Weight	1.1g	1.1g	1.0g	1.1g	1.1g

Pad diameter [φ]	20	30	40
Vacuum pad			
Drawing			
Material : Silicone (white) Heat-resistant temperature : -15~150°C			
Product name	Vacuum pad:VP20LS	Vacuum pad:VP30LS	Vacuum pad:VP40LS
Part code	*VP20LS	*VP30LS	*VP40LS
Weight	1.6g	3.3g	7.0g
Material : Nitrile (black) Heat-resistant temperature : -30~100°C			
Product name	Vacuum pad:VP20LN	Vacuum pad:VP30LN	Vacuum pad:VP40LN
Part code	*VP20LN	*VP30LN	*VP40LN
Weight	1.8g	3.7g	7.6g
Material : Fluorosilicone (brown) Heat-resistant temperature : -50~210°C			
Product name	Vacuum pad:VP20LFS	Vacuum pad:VP30LFS	Vacuum pad:VP40LFS
Part code	*VP20LFS	*VP30LFS	*VP40LFS
Weight	2.1g	4.1g	8.5g

Vacuum device

Accessories **RHS2**

Vacuum pad: Type VP, Soft bellows type

Pad diameter[φ]	6	8	10	15	20
Vacuum pad					
Drawing					
Material : Silicone (white) Heat-resistant temperature : -15~150°C					
Product name	Vacuum pad:VP6LBS	Vacuum pad:VP8LBS	Vacuum pad:VP10LBS	Vacuum pad:VP15LBS	Vacuum pad:VP20LBS
Part code	*VP6LBS	*VP8LBS	*VP10LBS	*VP15LBS	*VP20LBS
Weight	0.8g	0.9g	0.9g	1.1g	1.7g
Material : Nitrile (black) Heat-resistant temperature : -30~100°C					
Product name	Vacuum pad:VP6LBN	Vacuum pad:VP8LBN	Vacuum pad:VP10LBN	Vacuum pad:VP15LBN	Vacuum pad:VP20LBN
Part code	*VP6LBN	*VP8LBN	*VP10LBN	*VP15LBN	*VP20LBN
Weight	0.9g	0.9g	0.9g	1.1g	1.9g

Accessories **RHS2** Vacuum pad: Type VP, With neoprene sponge / silicone sponge

Pad diameter[φ]	6	8	10	15
Vacuum pad				
Drawing				
Material	VP6LN+With neoprene sponge (black)	VP8LN+With neoprene sponge (black)	VP10LS+With silicone sponge (red)	VP15LS+With silicone sponge (red)
Product name	Vacuum pad (φ6 with neoprene sponge)	Vacuum pad (φ8 with neoprene sponge)	Vacuum pad (φ10 with silicon sponge)	Vacuum pad (φ15 with silicon sponge)
Part code	110P9050	110P9051	110P9071	110P9072
Weight	1.1g	1.1g	1.2g	1.2g
Pad diameter[φ]	20	30	40	
Vacuum pad				
Drawing				
Material	VP20LS+With silicone sponge (red)	VP30LS+With silicone sponge (red)	VP40LS+With silicone sponge (red)	
Product name	Vacuum pad (φ20 with silicon sponge)	Vacuum pad (φ30 with silicon sponge)	Vacuum pad (φ40 with silicon sponge)	
Part code	110P9073	110P9074	110P9075	
Weight	2.0g	4.2g	8.7g	