

VBF Model (Bellows & Flat)

Features and Strengths

- Enhancing the adhesion to the surface
- Good lifting force can be achieved with this pad in the vertical plane
- Prevent transformation when lifting metal thin plate



Suitable for Handling

- Vaneer sheets
- Sheet metal
- Automotive panels and door
- Plywood
- Glass

Order no.

VBF100 PU F - 12F - L1230 - BJ12
 ① ② ③ ④ ⑤ ⑥

▶ See pages 39, 76-80.

① Vacuum pad Ø

- VBF60 – Ø64
- VBF80 – Ø84
- VBF100 – Ø103

② Material

- PU – Poly Urethane

③ Filter

- No Mark – Standard
- F – With Filter

④ Thread Size

- 18F – G1/8" female
- 14F – G1/4" female
- 38F – G3/8" female
- 12F – G1/2" female

Accessories

⑤ Level Spring

⑥ Ball Joint

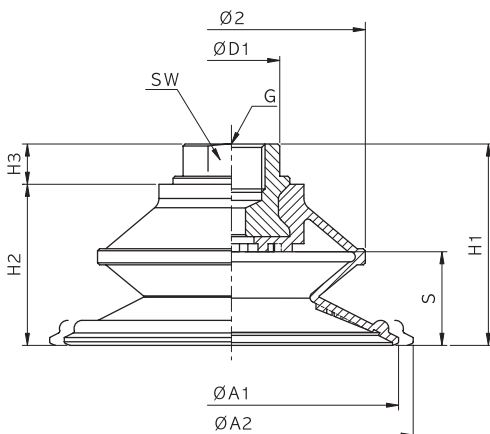
Level Spring	Stroke(mm)	Ball Joint
L1805F, L1805M	5	BJ18
L1810T, L1810TS	10	
L1815T	15	
L1820T	20	
L1830, L1830T	30	
L1850, L1850T	50	
L1820TN(Non-rotate)*	20	
L1230,0L1230T	30	BJ12
L1250, L1250T	50	

* Not available with Ball Joint(BJ)..

Technical Data

Model	Volume (cm ³)	Perpendicular Lifting Force (kg) at Vacuum level			Parallel Lifting Force (kg) at Vacuum level			Minimum Curvature radius(mm)
		-20kPa	-60kPa	-90kPa	-20kPa	-60kPa	-90kPa	
VBF 60PU	22	8,94	16,26	18,54	6,84	12,84	16,92	65
VBF 80PU	59,5	11,92	21,68	24,72	9,12	17,12	22,56	85
VBF 100PU	103,5	14,9	27,1	30,9	11,4	21,4	28,2	94

Dimensional Information



Model	ØA1	ØA2	G	H1	H2	H3	SW	S	ØD1	ØD2
VBF60 PU - 1/8F	64	66	1/8"	41,5	31,5	10	21	15	24	50
VBF60 PU - 1/4F			1/4"				24			
VBF60 PU - 3/8F			3/8"				24			
VBF60 PU - 1/2F			1/2"				29			
VBF80 PU - 1/8F	84	86	1/8"	49,5	39,5	10	21	22,5	24	68
VBF80 PU - 1/4F			1/4"				24			
VBF80 PU - 3/8F			3/8"				24			
VBF80 PU - 1/2F			1/2"				29			
VBF100 PU - 1/8F	103	107	1/8"	55	45	10	22	20,5	24	83
VBF100 PU - 1/4F			1/4"				24			
VBF100 PU - 3/8F			3/8"				24			
VBF100 PU - 1/2F			1/2"				27			