



Features

- ☆Standard flat vacuum pad.
- ☆Suitable for concave and convex objects.
- ☆Suitable for flat and smooth surface objects.
- ☆Suitable for a little bending objects.

Applications

- ◇Steel plate
- ◇paper box packaging
- ◇Small semiconductor material

How to Order

SU30 N 18M – EH – KI1810–A16 – BH–G1/8

① ② ③ ④ ⑤ ⑥

①Model

SU1.5X	φ1.5	SU10	φ10
SU2	φ2	SU15	φ15
SU2X	φ2	SU20	φ20
SU3	φ3	SU25	φ25
SU4	φ4	SU30	φ30
SU4X	φ4	SU40	φ40
SU6	φ6	SU50	φ50
SU8	φ8	SU80	φ80

②Material (Shore hardness)

N	NBR(55°)
S	Silicone(50°)
WS	White silicone(50°)
CS	Conductive(Special mat'l)(50°)

④Cone Valve

–	No
EH	Vacuum efficiency valve (SU20,SU25,SU30,SU40,SU50)

③ Connection thread

M2.5–M	M2.5 Male thread (SU2,SU3)
M5–M	M5 Male thread (SU2,SU3,SU4,SU6,SU8,SU10,SU15)
18–M	G 1/8 Male thread (SU40)
14–M	G 1/4 Male thread (SU40,SU50)
38–M	G 3/8 Male thread (SU50)
M5/18–MF	M5 Female threadG1/8 Male thread (SU20,SU25,SU30)
M5/18–MFI*	M5 Female threadG1/8 Male thread (SU20,SU25,SU30)
5xM5F	5xM5 Female thread (SU20, SU25, SU30)
18–F	G 1/8 Female thread (SU30,SU40,SU50,SU80)
5x18F	5xG 1/8 Female thread (SU40,SU50)
8	φ8 Inner hole (SU80)
18–FA*	G 1/8 Female thread (SU40)

*Refer to the fittings for vacuum pads on page166–169
Remark:SU40 SU50 fittings are including mesh filter.
only for silicone material.

Accessories

KI1810–A14 BH–G1/8

⑤ ⑥

⑥ Spring plunger		⑦Ball Joint
Model	Buffer stroke(mm)	
KE510–A12, KE510–Y–A12	10	–
KE520–A12, KE20–Y–A12	20	
KI506–R–A8, KI506–B–A8, KI506–E–A8, KI506–S–A8	06	
KI510–R–A8, KI510–B–A8, KI510–E–A8, KI510–S–A8	10	
KI525–R–A8, KI525–B–A8, KI525–E–A8, KI525–S–A8	25	
KI507–V–A10	7	
KI515–V–A10	15	
KI520–V–A10	20	
KE1810–A16, KE1810–L–A14, KE1810–V–A16	10	
KE1820–A16, KE1820–L–A14, KE1820–V–A16	20	
KE1830–A16, KE1830–L–A14, KE1830–V–A16	30	BH–G1/8
KE1850–A16, KE1850–L–A14, KE1850–V–A16*	50	
KI1810–A16, KI1810–L–A16, KI1810–V–A16	10	
KI1820, KI1820–L–A16, KI1820–V–A16*	20	
KI1830–A16, KI1830–L–A16, KI1830–V–A16	30	
KI1850–A16, KI1850–L–A16, KI1850–V–A16*	50	

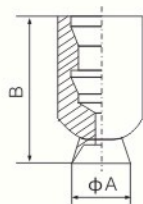
*Not available with ball joint.

Recommended(Max.)lifting force(N)

Model	Volume cm ³	Vertical lifting force(N) 			Parallel lifting force(N) 		
		-20kPa	-60kPa	-90kPa	-20kPa	-60kPa	-90kPa
SU1.5X	0.0015	0.0077	0.029	0.04	—	—	—
SU2	0.0025	0.03	0.97	0.148	—	—	—
SU2X	0.0025	0.03	0.97	0.148	—	—	—
SU3	0.005	0.089	0.395	0.59	—	—	—
SU4	0.03	0.198	0.885	1.275	0.198	0.78	1
SU4X	0.03	0.198	0.885	1.275	0.198	0.78	1
SU6	0.05	0.5	1.68	2.5	0.295	1.48	1.98
SU8	0.1	1	2.55	3.8	1	2.85	3.35
SU10	0.18	1.48	4.4	6.85	1.5	4.4	4.9
SU15	0.5	3.2	8.5	11.5	3.5	5.4	5.9
SU20	1	5.9	12.2	16	5.9	8.8	9.8
SU25	1.5	9	20.2	19.5	6.88	9.2	10.2
SU30	2	13	25	33	7.8	9.8	11
SU40	5.5	20	37.5	60	13.8	22	27.5
SU50	12	35.5	74	95	20	37	44
SU80	32	76	194	247	44	124.5	166

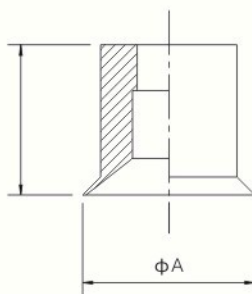
Dimensions (mm)

▼ SU1.5X~ SU4X



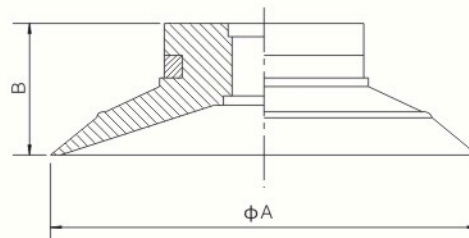
Model	ΦA	B
SU1.5X	1.9	12
SU2X	2.6	12
SU4X	4.6	12

▼ SU2~ SU15

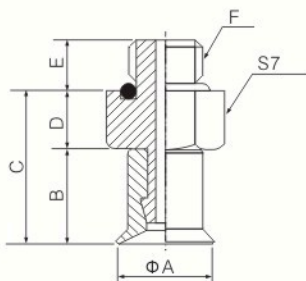


Model	ΦA	B
SU2	2.6	3.5
SU3	3.8	4.5
SU4	5	6.1
SU6	7	6.5
SU8	9	7

▼ SU20~ SU50

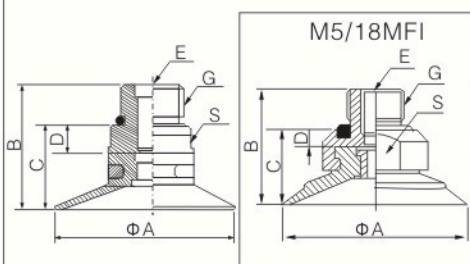


Model	ΦA	B
SU10	11	10.5
SU15	16.5	11
SU20	22	8
SU25	27	9
SU30	32	9.5
SU40	42	13
SU50	53	17.5



Male thread connection(mm)

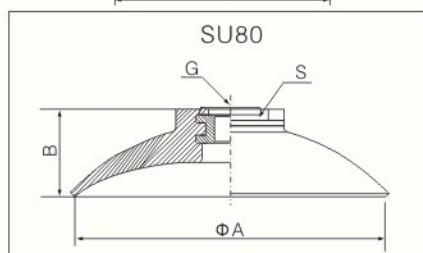
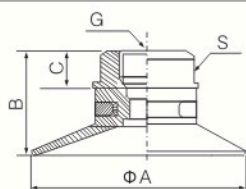
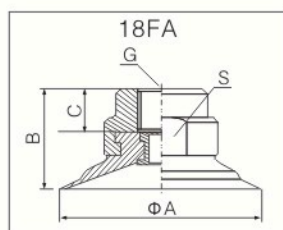
Model	ΦA	B	C	D	E	F
SU2-M2.5M/M5M	2.6	3.5	6/8.1	2.5/4.6	3/4.2	M2.5/M5
SU3-M2.5M/M5M	3.8	4.5	7/9.1	2.4/4.6	3/4.2	M2.5/M5
SU4-M5M	5	6.1	10.1	4	3.5	M5
SU6-M5M	7	6.5	10.5	4	3.5	M5
SU8-M5M	9	7	11	4	3.5	M5
SU10-M5M	11	10.5	15.5	5	3.5	M5
SU15-M5M	16.5	11.5	16	5	3.5	M5



Female thread connection(mm)

Model	ΦA	B	C	D	E	G	S
SU20-M5/18MF	22	15.5	9.5	1.5	M5	G1/8	S12
SU20-M5/18MFI*	22	18	11	3	M5	G1/8	S16
SU25-M5/18MF	27	16.5	10.5	1.5	M5	G1/8	S12
SU25-M5/18MFI*	27	19	12	3	M5	G1/8	S16
SU30-M5/18M	32	17	11	1.5	M5	G1/8	S12
SU30-M5/18MFI*	32	16.5	12.5	3	M5	G1/8	S16
SU40-18M	42	25	18	5	-	G1/8	S17
SU40-14M	42	28	19	6	-	G1/4	S17
SU50-14M	53	32.5	23.5	6	-	G1/4	S24
SU50-38M	53	33.5	23.5	6	-	G3/8	S24

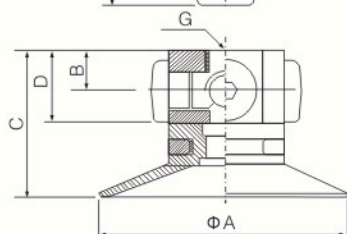
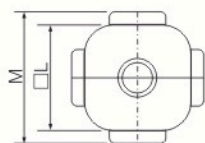
*only fo S(Silicone)material



Female thread connection(mm)

Model	ΦA	B	C	G	S
SU20-18F	22	16	8	G1/8	S15
SU25-18F	27	17	8	G1/8	S15
SU30-18F	32	17.5	8	G1/8	S15
SU40-18F	42	21	8	G1/8	S17
SU40-18FA*	42	22	9	G1/8	S21
SU50-18F	53	26.5	9	G1/8	S24
SU80-18F	78	21.5	-	G1/8	S19
SU80-8	78	21.5	-	Φ8	S19

*only fo S(Silicone)material



Female thread connection × 5(mm)

Model	ΦA	B	C	D	G	□L	M
SU20-5×M5F	22	5	17	9	5×M5	15	22
SU25-5×M5F	27	5	18	9	5×M5	15	22
SU30-5×M5F	32	5	18.5	9	5×M5	15	22
SU40-5×18F	42	10	31	18	5×G1/8	22	30
SU50-5×18F	53	10	35.5	18	5×G1/8	28	36