# VACUUM CUP SUCTION PLATES PV and PV2 FOR OCTOPUS SYSTEMS

These suction plates provided with vacuum cups have been designed to ensure a better grip on uneven and very flexible surfaces (pasta or candy bags, blister or skin-film packs, thin cardboard boxes, etc.), which are difficult to grip with suction plates coated with foam rubber.

We recommend using bellows cups. Thanks to their great flexibility, they adapt themselves to any gripping surface, following its profiles and movements during the lifting phase, guaranteeing a firm and safe grip.

They are made with anodised aluminium, as are the vacuum cup supports screwed onto them, which are 1/8" gas supports for the PV version and 1/4" gas for the P2V version. They are each equipped with a calibrated hole.

The cups are cold assembled onto the supports with no adhesives and can be provided in other compounds. Also these suction plates are perfectly interchangeable with the standard ones.

Their lifting force has been calculated considering a level of vacuum of at least -75 Kpa, the total vacuum cup surface and a safety factor 3. Upon request, they can be provided with different cups, as long as the diameter does not exceed 22 mm for the PV suction plates and 45 mm for the P2V ones.
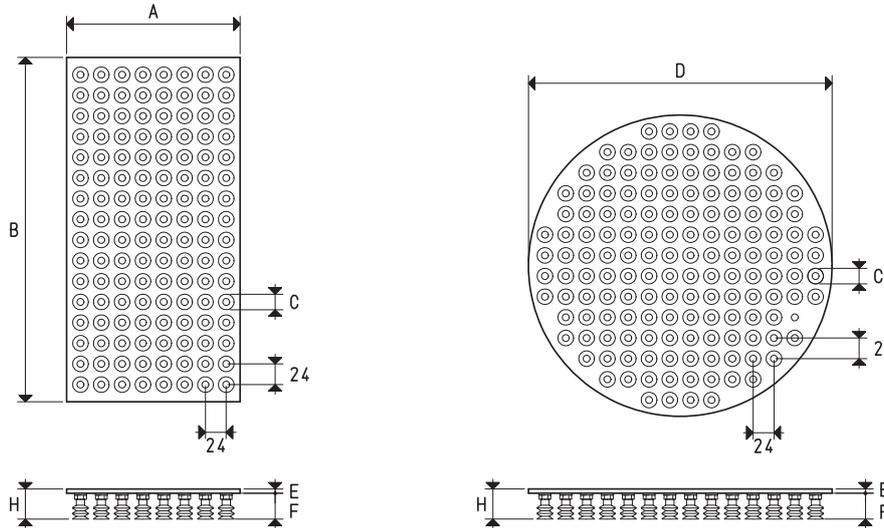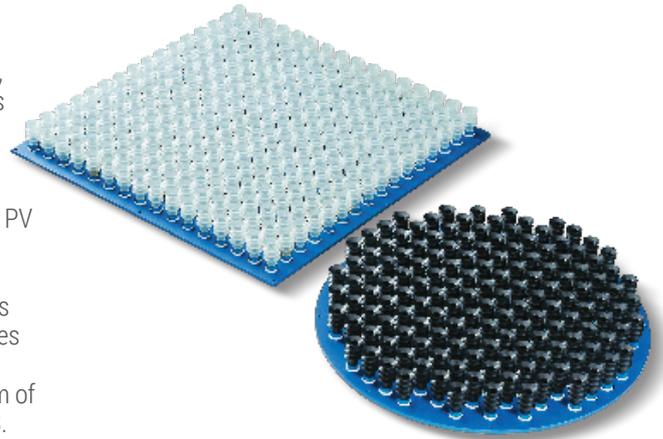
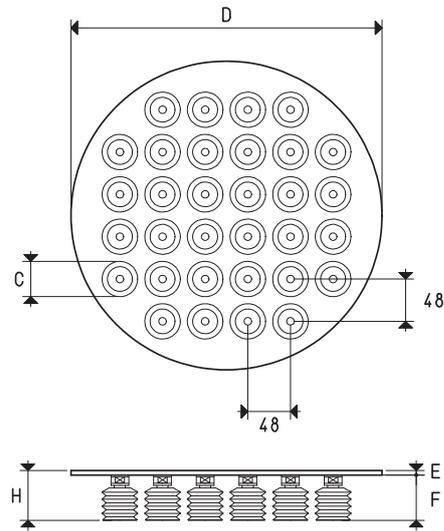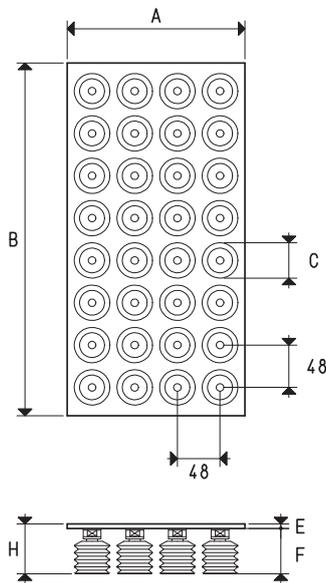| Item	Force Kg	A	B	C Ø	D Ø	E	F	H	Vacuum cup example item	Vacuum cups No.	Weight Kg
PV 15 20	30.2	150	200	18	---	5	36	41	01 18 29	48	0.54
PV 20 30	60.5	200	300	18	---	5	36	41	01 18 29	96	1.13
PV 20 40	80.6	200	400	18	---	5	36	41	01 18 29	128	1.54
PV 20 60	121.0	200	600	18	---	5	36	41	01 18 29	192	2.37
PV 30 30	90.7	300	300	18	---	5	36	41	01 18 29	144	1.80
PV 30 40	121.0	300	400	18	---	5	36	41	01 18 29	192	2.37
PV 30 50	151.2	300	500	18	---	5	36	41	01 18 29	240	2.94
PV 40 40	167.0	400	400	18	---	5	36	41	01 18 29	256	3.09
PV 40 60	242.0	400	600	18	---	5	36	41	01 18 29	384	4.74
PV 40 100	413.3	400	1000	18	---	5	36	41	01 18 29	656	7.89
PV 60 80	483.9	600	800	18	---	5	36	41	01 18 29	768	9.38
PV 60 120	740.8	600	1200	18	---	5	36	41	01 18 29	1176	14.21
PV 80 100	852.4	800	1000	18	---	5	36	41	01 18 29	1353	16.03
PV DO 35	93.2	---	---	18	350	5	36	41	01 18 29	148	1.81
PV DO 50	194.0	---	---	18	500	5	36	41	01 18 29	300	3.37

NOTE: The code PV .. .. only identifies the suction plate with the relative supports for the vacuum cups screwed onto it.

The vacuum cups indicated in the table or those chosen freely are not included with the suction plate and therefore must be ordered separately.

Transformation ratio: N (newton) = Kg x 9.81 (force of gravity)   inch = $\dfrac{mm}{25.4}$; pounds = $\dfrac{g}{453.6}$ = $\dfrac{Kg}{0.4536}$

VACUUM CUP SUCTION PLATES PV2 FOR OCTOPUS SYSTEMS

Item	Force Kg	A	B	C Ø	D Ø	E	F	H	Vacuum cup example item	Vacuum cups No.	Weight Kg
P2V 15 20	37.7	150	200	40	---	5	51.5	56.5	01 40 42	12	0.56
P2V 20 30	75.4	200	300	40	---	5	51.5	56.5	01 40 42	24	1.12
P2V 20 40	100.5	200	400	40	---	5	51.5	56.5	01 40 42	32	1.67
P2V 20 60	150.8	200	600	40	---	5	51.5	56.5	01 40 42	48	2.24
P2V 30 30	113.0	300	300	40	---	5	51.5	56.5	01 40 42	36	1.68
P2V 30 40	150.8	300	400	40	---	5	51.5	56.5	01 40 42	48	2.24
P2V 30 50	188.4	300	500	40	---	5	51.5	56.5	01 40 42	60	2.80
P2V 40 40	201.0	400	400	40	---	5	51.5	56.5	01 40 42	64	3.34
P2V 40 60	301.5	400	600	40	---	5	51.5	56.5	01 40 42	96	4.48
P2V 40 100	502.4	400	1000	40	---	5	51.5	56.5	01 40 42	160	8.35
P2V 60 80	602.9	600	800	40	---	5	51.5	56.5	01 40 42	192	8.96
P2V 60 120	904.3	600	1200	40	---	5	51.5	56.5	01 40 42	288	13.44
P2V 80 100	1004.8	800	1000	40	---	5	51.5	56.5	01 40 42	320	16.70
P2V DO 35	100.5	---	---	40	350	5	51.5	56.5	01 40 42	32	1.67
P2V DO 50	213.5	---	---	40	500	5	51.5	56.5	01 40 42	76	3.17

NOTE: The code P2V .. .. only identifies the suction plate with the relative supports for the vacuum cups screwed onto it.

The vacuum cups indicated in the table or those chosen freely are not included with the suction plate and therefore must be ordered separately.

Transformation ratio: N (newton) = Kg x 9.81 (force of gravity)   inch = $\dfrac{mm}{25.4}$; pounds = $\dfrac{g}{453.6} = \dfrac{Kg}{0.4536}$

9