



Flat vacuum cups series

Universal flat vacuum cups – SFU-A

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Product notes

Very shallow cup with single-lip seal for handling various products with smooth or rough surfaces.
Connection up to \varnothing 50 mm by means of plug-in nipple, from \varnothing 60 mm with vulcanized carrier plate (bolttable).

Advantage

- > Great stability allows high acceleration
- > Fast cycle times are possible, due to the cup's low volume
- > Cost-effective replacement of worn seals

Ordering notes

\varnothing 1 mm to \varnothing 3 mm: PU = 10 pieces

Technical data

Item no.	Model		Material / Color	Connection thread
102.001.002.*	SFU-A-1,5	0.3	NBR (sw), SI (tr)	--
102.002.004.*	SFU-A-2	0.4	NBR (sw), SI (tr), SI-LE (tr), SI-AS (sw)	--
102.003.005.*	SFU-A -3	0.5	NBR (sw), SI (tr), SI-LE (tr), SI-AS (sw)	--
102.005.009.*	SFU-A -5	0.9	NBR (sw), SI (tr), SI-LE (tr), SI-AS (sw)	--
102.006.013.*	SFU-A -6	1	NBR (sw), SI (tr), SI-AS (sw)	--
102.008.017.*	SFU-A -8	1.4	NBR (sw), SI (tr), SI-AS (sw)	--
102.010.024.*	SFU-A -10	1.2	NBR (sw), SI (tr), SI-LE (tr), SI-AS (sw)	--
102.015.030.*	SFU-A-15	2	NBR (sw), SI (tr), SI-LE (tr)	--
102.015.309.*	SFU-A-15A	1.9	NBR (sw), SI (tr), SI-LE (tr)	--
102.020.041.*	SFU-A -20	2	NBR (sw), SI (tr), SI-LE (tr)	--
102.025.047.*	SFU-A -25	2.5	NBR (sw), SI (tr), SI-LE (tr)	--
102.030.053.*	SFU-A -30	2	NBR (sw), SI (tr), SI-LE (tr)	--
102.035.056.*	SFU-A -35	3	NBR (sw), SI (tr), SI-LE (tr)	--
102.040.061.*	SFU-A -40	3.5	NBR (sw), SI (tr), SI-LE (tr)	--
102.050.065.*	SFU-A -50	4	NBR (sw), SI (tr), SI-LE (tr)	--
102.060.303.*	SFU-A -60	5	NBR (sw), SI (tr), SI-LE (tr)	G1/4-female
102.080.304.*	SFU-A -80	6	NBR (sw), SI (tr), SI-LE (tr)	G1/4-female
102.095.305.*	SFU-A -95	6	NBR (sw), SI (tr), SI-LE (tr)	G1/4-female
154.120.018.*	SFU-A -120	7	NBR (sw), SI (tr), SI-LE (tr)	--
154.150.020.*	SFU-A -150	9	NBR (sw), SI (tr), SI-LE (tr)	--
154.191.025.*	SFU-A -200	13	NBR (sw), SI (tr), SI-LE (tr)	--

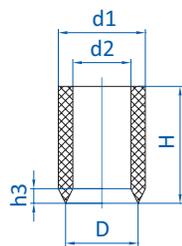
* When ordering please add the appropriate material code to item no. You will find it on www.fipa.com.



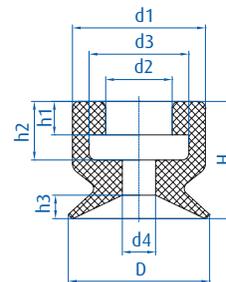
Accessories

Item no.	Suitable fittings										Suitable spring leveler (Snap-in)	
	M3-male	M5-male	M5-female	M6-male	M10-female	G1/8-male	G1/8-female	G1/4-male	G1/4-female	G1/2-female	Spring leveler	Icon
102.001.002.*	270.011	--	--	--	--	--	--	--	--	--	--	--
102.002.004.*	270.014	270.300	--	--	--	--	--	--	--	--	--	--
102.003.005.*	270.014	270.300	--	--	--	--	--	--	--	--	--	--
102.005.009.*	--	270.010	270.005	--	--	270.009	270.007	--	--	--	50.330	9
102.006.013.*	--	270.010	270.005	--	--	270.009	270.007	--	--	--	50.330	9
102.008.017.*	--	270.010	270.005	--	--	270.009	270.007	--	--	--	50.330	9
102.010.024.*	--	270.010	270.005	--	--	270.009	270.007	--	--	--	50.330	9
102.015.030.*	--	270.200	--	--	--	270.064	270.065	--	--	--	--	--
102.015.309.*	--	270.010	270.005	--	--	270.009	270.007	--	--	--	50.330	9
102.020.041.*	--	270.311	--	--	--	270.063	270.061	--	--	--	--	--
102.025.047.*	--	--	--	270.312/19	--	270.030	270.019	270.274	270.275	--	--	--
102.030.053.*	--	--	--	270.312/19	--	270.030	270.019	270.274	270.275	--	--	--
102.035.056.*	--	--	--	270.312/19	--	270.030	270.019	270.274	270.275	--	--	--
102.040.061.*	--	--	--	270.312/19	--	270.030	270.019	270.274	270.275	--	--	--
102.050.065.*	--	--	--	--	--	270.490	270.489	270.491	270.492	--	--	--
102.060.303.*	--	--	--	--	270.090	--	--	270.120	--	--	--	--
102.080.304.*	--	--	--	--	270.090	--	--	270.120	--	--	--	--
102.095.305.*	--	--	--	--	270.090	--	--	270.120	--	--	--	--
154.120.018.*	--	--	--	--	--	--	--	--	--	270.056	--	--
154.150.020.*	--	--	--	--	--	--	--	--	--	270.056	--	--
154.191.025.*	--	--	--	--	--	--	--	--	--	270.056	--	--

Dimensions



Drawing A



Drawing B

① = Aluminum ② = Steel

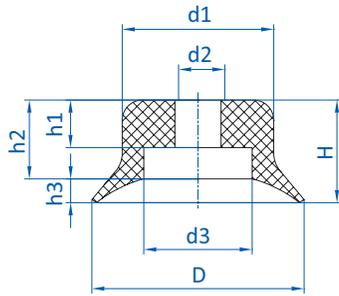
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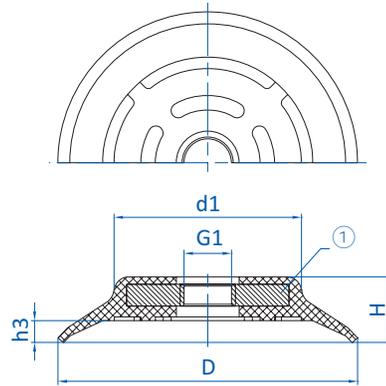
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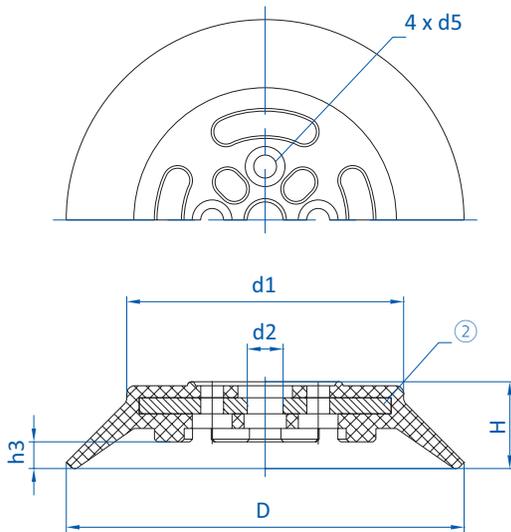
Dimensions



Drawing C



Drawing D



Drawing E

① = Aluminum ② = Steel

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Item no.	Drawing	∅ D [mm]	∅ d1 [mm]	∅ d2 [mm]	∅ d3 [mm]	G1	H [mm]	h1 [mm]	h2 [mm]	h3 [mm]
102.001.002.*	A	1.5	1.8	1.2	--	--	2.5	--	--	0.3
102.002.004.*	B	2.5	4	2	3	--	4	1.5	2.5	0.5
102.003.005.*	B	4	4	2	3	--	4	1.5	2.5	0.5
102.005.009.*	B	5	7.5	3.8	6	--	6.5	1.8	3.9	0.8
102.006.013.*	B	6.5	7.5	4	6	--	7	2	4	1
102.008.017.*	B	8.5	8	4	6	--	7	2	3.5	1.4
102.010.024.*	B	11	8.5	4	6	--	7.5	1.8	3.8	1.4
102.015.030.*	C	15	12	4.5	7.5	--	8	2.6	2.1	2.1
102.015.309.*	B	15.5	9	3.8	6	--	8	2.2	4.4	2
102.020.041.*	C	21	15	4.6	11	--	10	4.5	8	2.4
102.025.047.*	C	25	16	6	11	--	14	7	11	3
102.030.053.*	C	30	14	6	11	--	12	7	10	2
102.035.056.*	C	36	21	6	11	--	14	7	11.2	2.8
102.040.061.*	C	42	24	6	11	--	14	7	11.2	2.8
102.050.065.*	C	50	27	8	20	--	15	7.4	11.5	3.5
102.060.303.*	D	62	38	--	--	G1/4	16	--	--	4.8
102.080.304.*	D	83	52	--	--	G1/4	18	--	--	6
102.095.305.*	D	95	66	--	--	G1/4	18	--	--	5.5
154.120.018.*	E	117	90	14	--	--	26	--	--	9
154.150.020.*	E	150	104	13.5	--	--	33	--	--	10
154.191.025.*	E	193	142	13	--	--	40	--	--	15.5

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