

SFM Series

Flat Suction Cup Special for Oily Metal Sheet



Features

- ◇ Large stroke and good flexibility, easy to fit close to workpiece with various shapes.
- ◇ The internal large-area support structure can effectively improve the lateral friction force and has a good anti-slipping effect on the handling of oily steel plate.
- ◇ Modular structure design, each part can be separated and replaced quickly for cycle use, which reduces cost greatly.
- ◇ PU material, excellent wear resistance and oil resistance.

How to order

SFM 30 U – G1F

① ② ③ ④

① Series	② Diameter	③ Material & Hardness	④ Connection thread
SFM	30 -φ30mm 40 -φ40mm 50 -φ50mm 60 -φ60mm 80 -φ80mm 100 -φ100mm 120 -φ120mm	U - PU 70	Nil - Suction cup alone G1F - G1/8 Female thread G2F - G1/4 Female thread G2M - G1/4 Male thread G3F - G3/8 Female thread M10M - M10 Male thread M14M - M14×1.5 Male thread RA - Rectangular adapter

Selection

Model/ Connection thread	G1F	G2F	G2M	G3F	M10M	M14M	RA
SFM30 - 40	●	—	—	—	○	—	○
SFM50 - 120	—	●	○	●	○	○	○

◇Note: "●"- standard, in stock. "○"-selective, no stock. "—" -unavailable.

Technical parameters

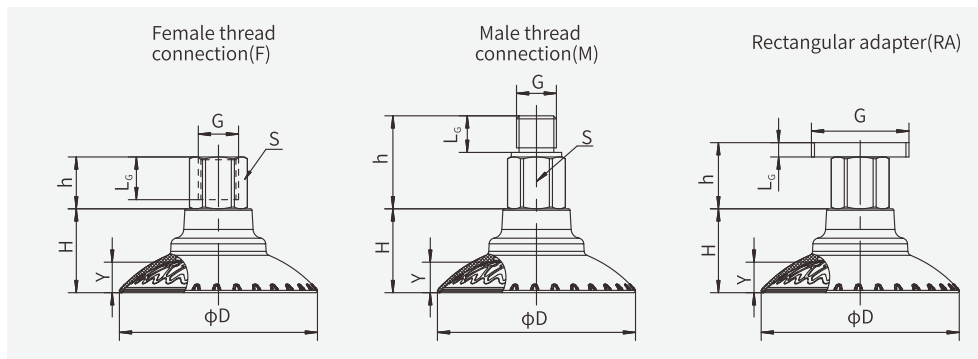
Model	Pull-out force (N)	Inner volume (cm ³)	Min. curve radius of workpiece (mm)	Recommended hose dia. (mm)	Weight (g)
SFM30	45	4.5	25	6	3.5
SFM40	70	8.5	30	6	5
SFM50	112	18.6	35	8	8.5
SFM60	150	26	40	8	11
SFM80	285	56	60	8	21
SFM100	420	105	70	10	35
SFM120	580	153	90	10	55

◇Note: Testing vacuum level -60kPa. Workpiece with smooth and clean surface. The data of pull-out force as above are figured out without considering safety factor. The data may be different according to different workpiece surfaces.

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Dimensions (mm)



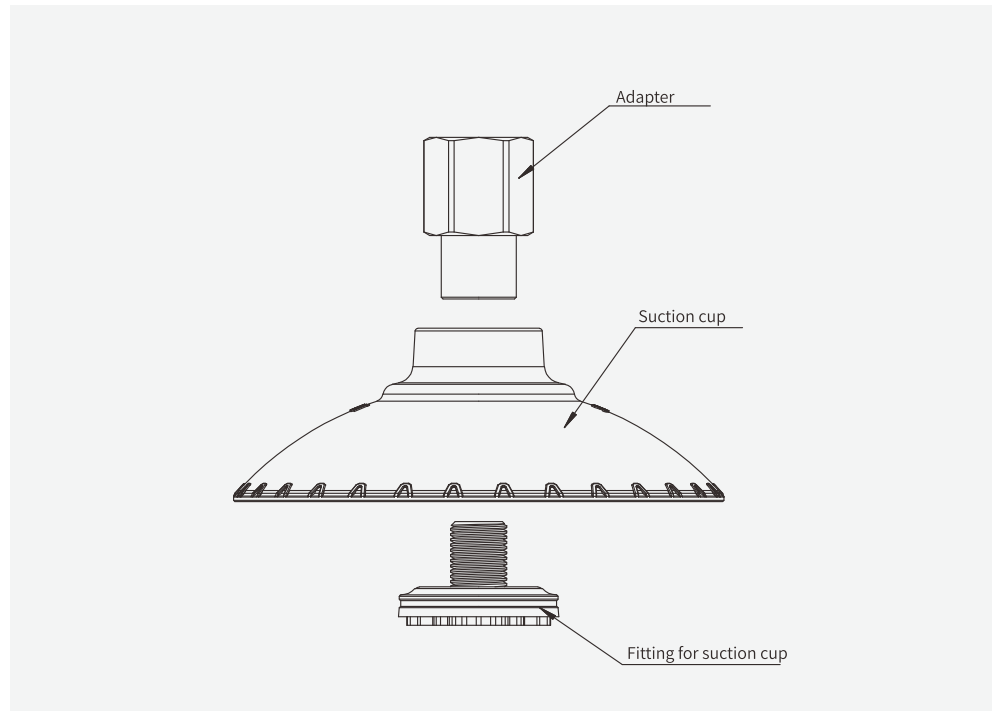
Model/Size	D	H	h	Y	G	L _g	S
SFM30-G1F	33.5	17.5	14	4	G1/8	10	14
M10M			27.5		M10		14
RA			18.7		□32		—
SFM40-G1F	43.5	20	14	6.3	G1/8	10	14
M10M			27.5		M10		14
RA			18.7		□32		—
SFM50-G2F	54	25	17	7.8	G1/4	12	17
G2M			30.5		G1/4		17
G3F			17		G3/8		22
M10M			30.5		M10		17
M14M			30.5		M14×1.5		17
RA			21.7		□32		—
SFM60-G2F	65	27.5	17	10	G1/4	12	17
G2M			30.5		G1/4		17
G3F			17		G3/8		22
M10M			30.5		M10		17
M14M			30.5		M14×1.5		17
RA			21.7		□32		—
SFM80-G2F	85	30	17	13	G1/4	12	17
G2M			30.5		G1/4		17
G3F			17		G3/8		22
M10M			30.5		M10		17
M14M			30.5		M14×1.5		17
RA			21.7		□32		—
SFM100-G2F	103	38	17	15.5	G1/4	12	17
G2M			30.5		G1/4		17
G3F			17		G3/8		22
M10M			30.5		M10		17
M14M			30.5		M14×1.5		17
RA			21.7		□32		—
SFM120-G2F	123	41	17	18.5	G1/4	12	17
G2M			30.5		G1/4		17
G3F			17		G3/8		22
M10M			30.5		M10		17
M14M			30.5		M14×1.5		17
RA			21.7		□32		—

- SB
- SBA
- SBB
- SBF
- SBOF
- SFT
- STP
- SBL
- SBLP
- SF
- SU
- SUF
- SFG
- STC
- SFF
- SFM**
- SDM
- SOB
- SOF
- SOG
- SFP
- SBP
- SXP
- SGP
- SDL
- SH
- SHB
- SZ
- SAN
- SAO
- SPA
- SPC
- SPF
- SPJ
- SPU
- SNP
- SOP

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Structure diagram



Mounting parts

Item	Model	Applicable suction cup
Fitting for suction cup	PJS- M8M- SFM40	SFM30, 40
	PJS- G1M- SFM80	SFM50, 60, 80
	PJS- G1M- SFM120	SFM100, 120
Adapter	PJT- M8F - G1F	SFM30, 40
	PJT- G1F - G2F	SFM50, 60, 80, 100, 120
	PJT- G1F - G3F	

◇Note:Please refer to suction cup with locking fitting and level compensator on page 24.