

SLP Series

Flow Gripper



NEW
ENERGY



COMPOSITE
MATERIAL



BATTERY



POROUS
SURFACE



Special Vacuum Gripper

SNT

SLP

SLB

Features

- ◇ Simple structure, integrated with vacuum pump, long lifetime.
- ◇ High vacuum flow, suitable for handling light and porous objects like cellphone screen, perforated plate and fiber sheet.
- ◇ Easy to install and maintain, cost effective.

How to order

SLP 40 - M10 Y D - F1

① ② ③ ④ ⑤ ⑥

① Series	② Diameter of suction cup	③ Specification of vacuum pump
SLP	40 - $\phi 40\text{mm}$ 60 - $\phi 60\text{mm}$ (POM material)	M10 - Airway $\phi 10\text{mm}$ Breaking M20 - Airway $\phi 20\text{mm}$ Vertical exhaust M30 - Airway $\phi 30\text{mm}$ Vertical exhaust
④ Exhaust direction	⑤ Vacuum breaking function	⑥ Mounting(flange)
Y - Lateral exhaust (Fitting)	Nil - Without breaking function	F1 - 55×6mm
S - Vertical exhaust (With silencer)	D - With vacuum breaking/detection function	F3 - 63×11mm
T - Vertical exhaust (With pagoda fitting)		F4 - 95×11mm
		F5 - 110×13mm

Selection

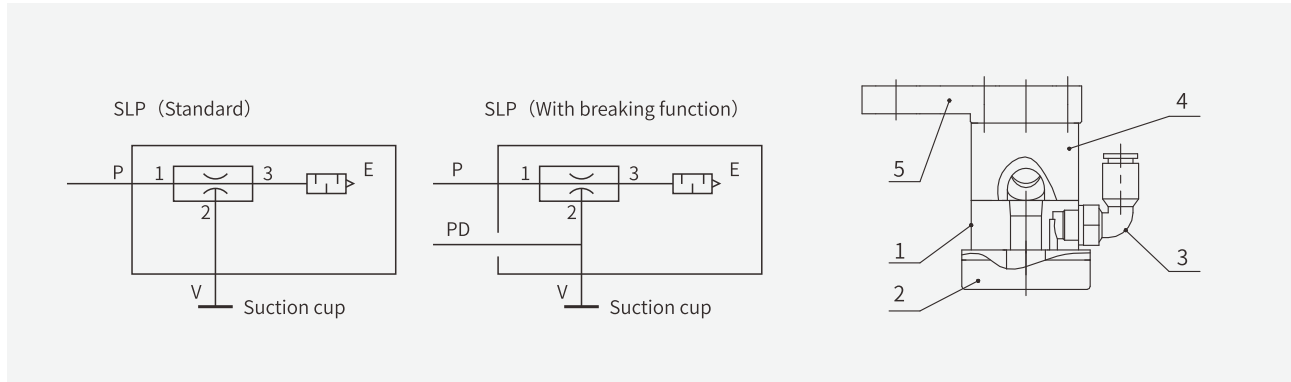
Series	Diameter of suction cup	Specification of vacuum pump	Exhaust direction			Breaking function/ Vacuum detection function D	Mounting			
			Y	S	T		F1	F3	F4	F5
SLP	40	M10	●	—	—	●	●	●	—	—
			—	●	—	—	—	●	—	—
			—	—	●	—	●	●	—	—
	60	M20	—	●	●	—	—	—	●	—
			—	●	●	—	—	—	—	●
		M30	—	●	●	—	—	—	—	●

◇Note: "●"- standard, in stock. "—" - unavailable.

SLP Series

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Air circuit diagram/Structural diagram



Main parts	No	Item	Material
	1	Vacuum pump	Aluminum alloy
	2	Suction cup	POM
	3	Air inlet fitting	Brass
	4	Connection block	Aluminum alloy
	5	Clamp,Flange	Aluminum alloy

Technical parameters

Model	Working temperature (°C)	Operating pressure range (bar)	Air supply pressure (bar)	Max. vacuum flow (NL/min)	Max. air consumption (NL/min)	Max. vacuum level (-kPa)
SLP40-M10	0~60(Non-freezing)	1-7	5.0	520	150	13
SLP60-M20				1,760	245	5
SLP60-M30				2,320	375	4

Vacuum flow (NL/min) at different vacuum levels (-kPa)

Model	Air supply pressure (bar)	Air consumption (NL/min)	0	1.5	2.5	3.5	4.5	5.5	6.5	7.5	13
SLP40-M10	5.0	150	520	500	460	410	340	290	240	160	90
SLP60-M20	5.0	245	1,760	1,620	1,380	1,180	950	—	—	—	—
SLP60-M30	5.0	375	2,320	2,070	1,870	1,580	—	—	—	—	—

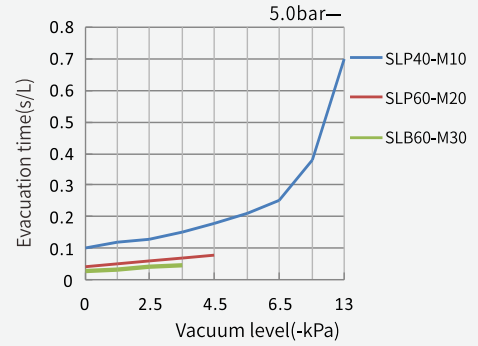
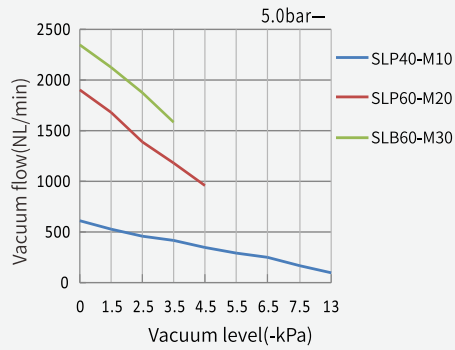
Evacuation time(S/L) to reach different vacuum levels(-kPa)

Model	Air supply pressure (bar)	Air consumption (NL/min)	0	1.5	2.5	3.5	4.5	5.5	6.5	7.5	13	Max. vacuum level (-kPa)
SLP40-M10	5.0	150	0.1	0.12	0.13	0.15	0.18	0.21	0.25	0.38	0.7	13
SLP60-M20	5.0	245	0.04	0.05	0.06	0.07	0.08	—	—	—	—	5
SLP60-M30	5.0	375	0.03	0.035	0.04	0.045	—	—	—	—	—	3.5

SLP Series

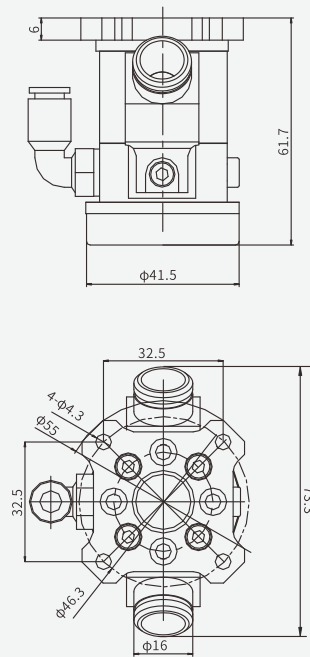
Flow Gripper

Technical parameter



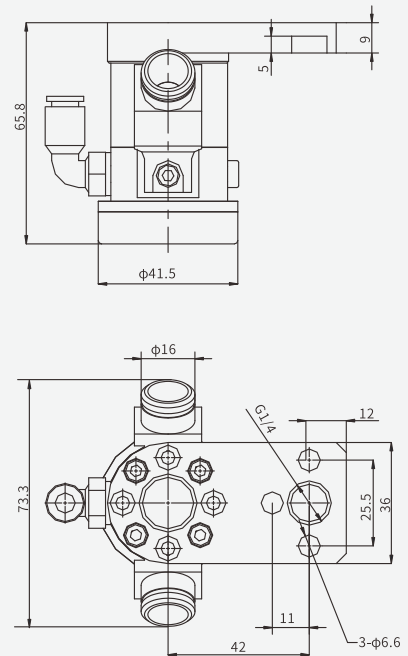
Dimensions (mm)

SLP40-M10YD-F1



Weight: 170g

SLP40-M10YD-F3



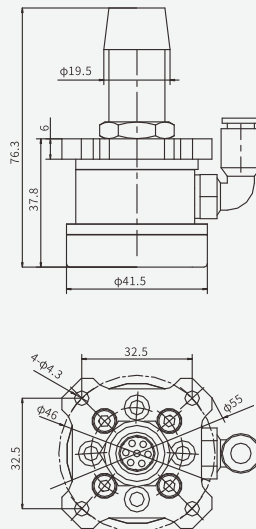
Weight: 190g

SLP Series

Flow Gripper

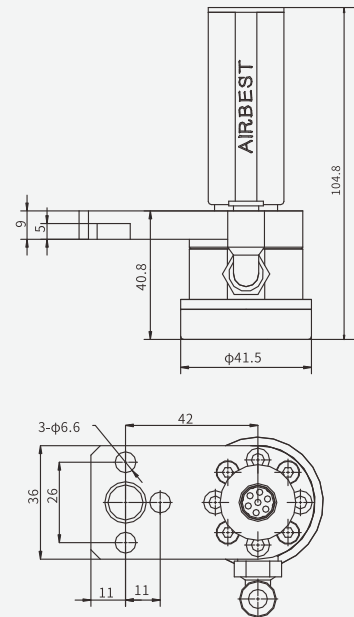
Dimensions (mm)

SLP40-M10T-F1



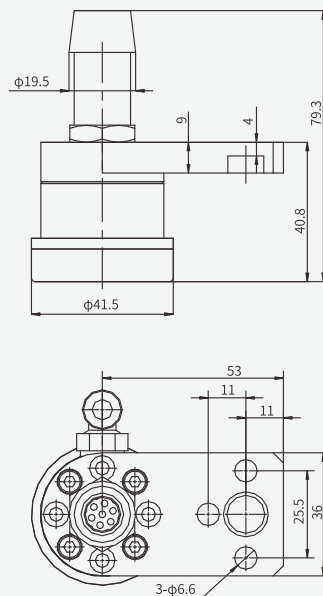
Weight:122g

SLP40-M10S-F3



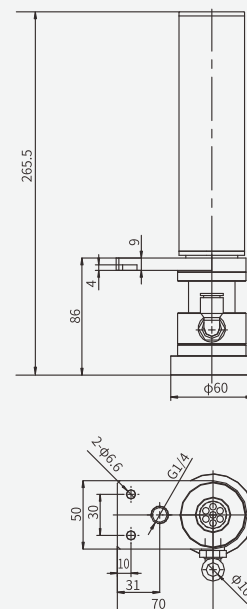
Weight:142g

SLP40-M10T-F3



Weight:145g

SLP60-M20S-F4



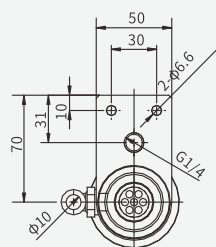
Weight:670g

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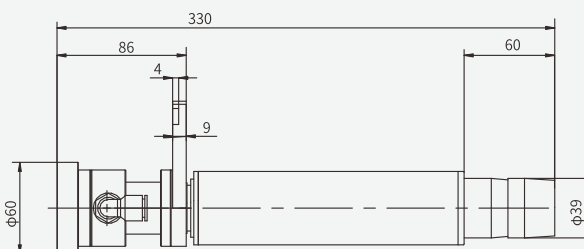
Flow Gripper

Dimensions (mm)

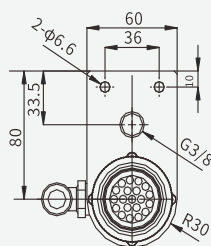
SLP60-M20T-F4



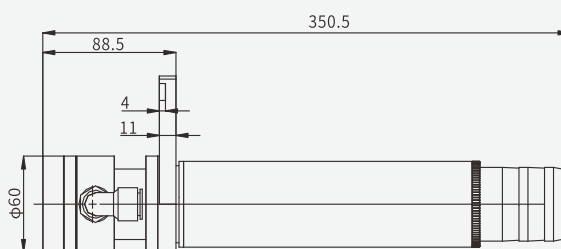
Weight:801g



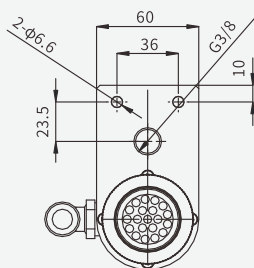
SLP60-M30T-F5



Weight:930g



SLP60-M30S-F5



Weight:857g

