AIRBEST

SLB Series

Thin Lip Flow Gripper

ELECTRONICS PACKAGING NEW ENERGY POROUS SURFACE

Features

◇ Simple structure, integrated with vacuum pump, easy to maintain

◇ Large vacuum flow, mainly used in handling objects like perforated plate,food, irregular parts, etc.

How to order

SLB 50 E - P7 S D K - F5

① ② ③ ④ ⑤ ⑥ ⑦ ⑧

① Series	② Diameter of suction cup	③ Material of suction cup	④ Specification of vacuum pump
SLB	**30** - ϕ30mm **50** - ϕ50mm	**WS** - White silicone 50 **E** - EPDM 55	**M10** - Airway ϕ10mm **M20** - Airway ϕ20mm **M30** - Airway ϕ30mm **P7** - Airway ϕ6.5mm **P15** - Airway ϕ15mm

⑤ Exhaust direction	⑥ Vacuum breaking function	⑦ Adjustable function	⑧ Mounting(Flange)
S - Vertical exhaust(With silencer) **T** - Vertical exhaust (With pagoda fitting)	**Nil** - Without vacuum breaking function **D** - With vacuum breaking function	**Nil** - Without adjustable function **K** - With adjustable function	**F2** - 84×9mm **F4** - 95×11mm **F5** - 70×10mm **F6** - 110×13mm **F7** - 75×45mm **F11** - 71×9mm **F13** - 55×6mm

Selection

Series	Diameter of suction cup	Specification of vacuum pump	Exhaust direction	Vacuum breaking function	Adjustable function	Mounting						
						F2	F4	F5	F6	F7	F11	F13
SLB	30	M10	S	-	-	-	-	-	-	-	●	●
	50	M10	S	D	-	-	-	-	-	-	●	●
		M10	T	-	-	-	-	-	-	-	●	●
		M10	T	D	-	-	-	-	-	-	●	●
	50	M20	S/T	-	-	●	●	-	-	-	-	-
		M20	S/T	D	-	-	●	-	-	-	-	-
		M30	S/T	-	-	-	-	-	●	-	-	-
		P7	S	D	K	-	-	●	-	-	-	-
		P15	S	D	K	-	-	-	-	●	-	-

SLB Series

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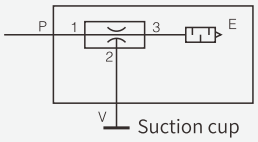
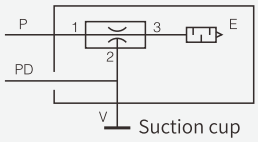
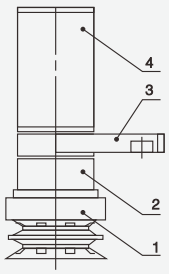
Air circuit diagram/Structural diagram

SLB（Standard）



SLB（Breaking type）





Main parts	No	Item	Material	No	Item	Material
	1	Rubber suction cup	Rubber	3	Clamp	Composite
	2	Vacuum pump	Aluminium alloy	4	Silencer	Composite

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)
SLB30-M10	0-60(Non-freezing)	1-7	4.5-6.0	680-690	150-195	19
SLB50-M10	0-60(Non-freezing)	1-7	4.5-6.0	680-690	150-195	19
SLB50-M20	0-60(Non-freezing)	1-7	5.0-6.0	1,070-1,315	260	4.5
SLB50-M30	0-60(Non-freezing)	1-7	5.0-6.0	1,520-1,620	460	2.5
SLB50-P7	0-60(Non-freezing)	1-7	5.0	280	340	60
SLB50-P15	0-60(Non-freezing)	1-7	5.0	1,650	660	30

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	11	Max. vacuum level (-kPa)
SLB30-M10	5.0	140	550	530	470	420	350	300	250	170	100	11
SLB50-M10	5.0	140	550	530	470	420	350	300	250	170	100	11
SLB50-M20	5.0	260	1,315	1,120	1,050	980	880	-	-	-	-	4.5
SLB50-M30	5.0	460	1,620	1,200	-	-	-	-	-	-	-	2.5

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

Model	Air supply pressure (bar)	Air consumption (NL/min)	0	10	20	30	40	50	60	70	Max. vacuum level (-kPa)
SLB50-P7	5.0	340	280	260	250	230	210	200	150	140	60
SLB50-P15	5.0	660	1,650	1,450	1,350	1,100	-	-	-	-	30

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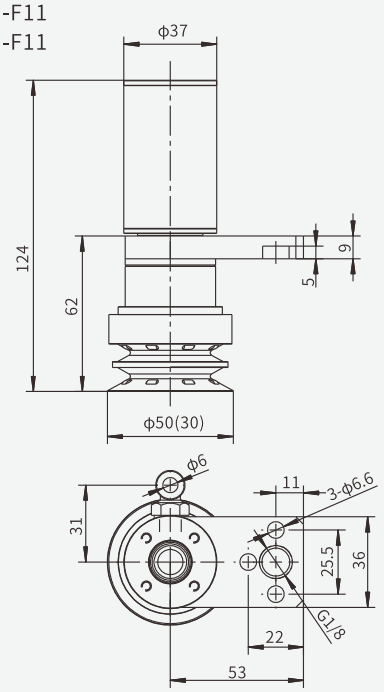
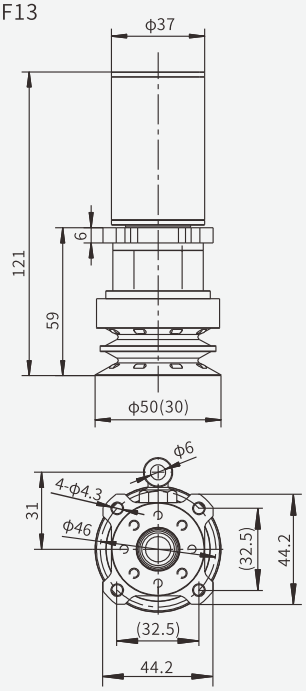
Dimensions (mm)

SLB30-M10S-F11
SLB50-M10S-F11



SLB30-M10S-F13
SLB50-M10S-F13



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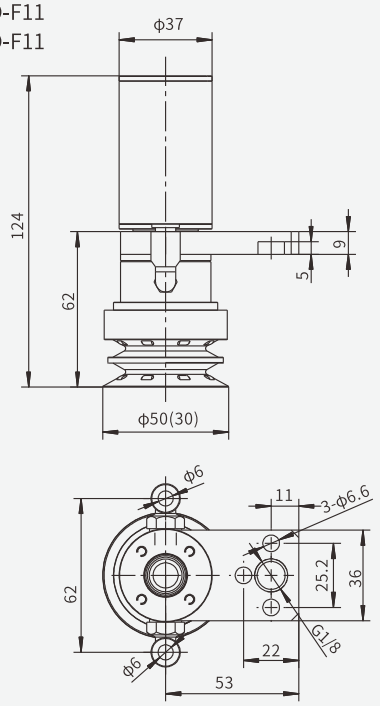

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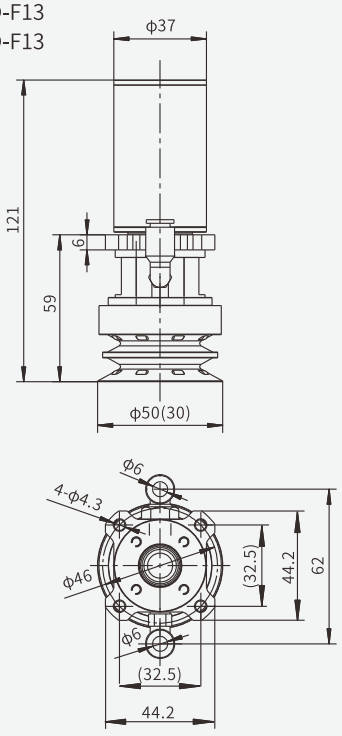
SLB50-M10SD-F13



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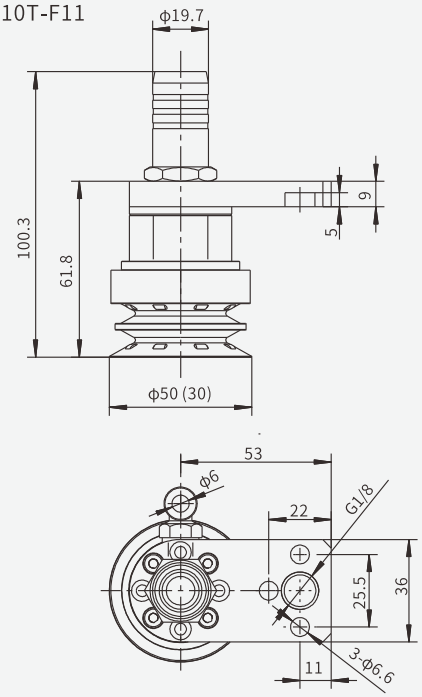
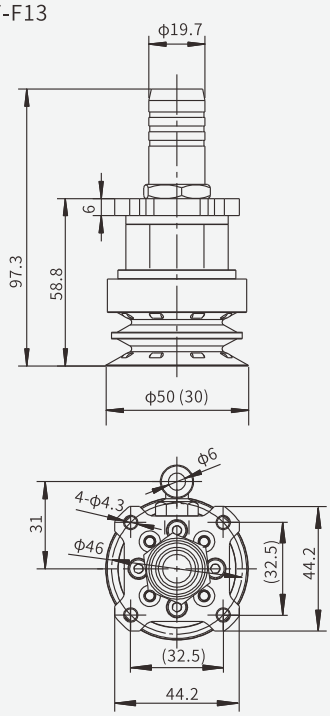
Dimensions (mm)

SLB30-M10T-F11
SLB50-M10T-F11



SLB30-M10T-F13
SLB50-M10T-F13



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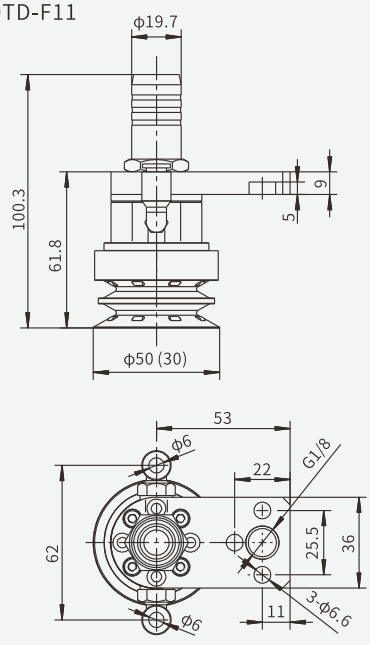
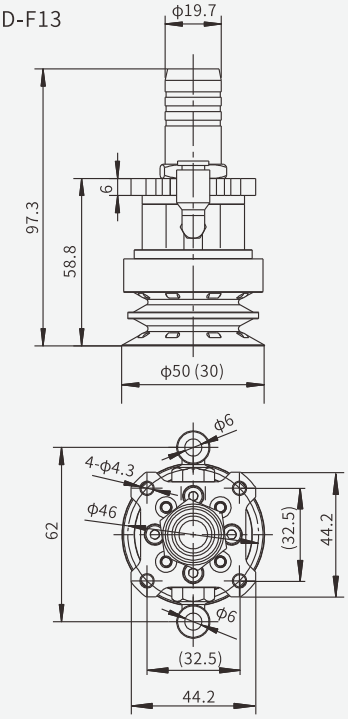
SLB50-M10TD-F11



SLB30-M10TD-F13
SLB50-M10TD-F13



SLB Series

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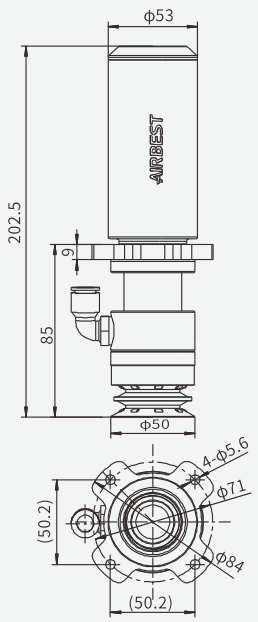
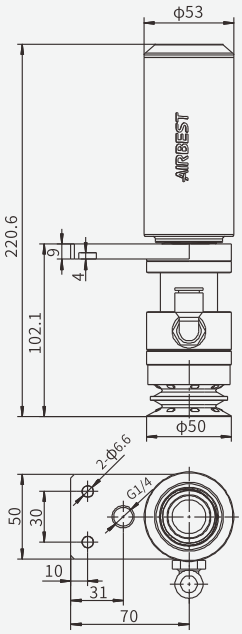
Dimensions (mm)

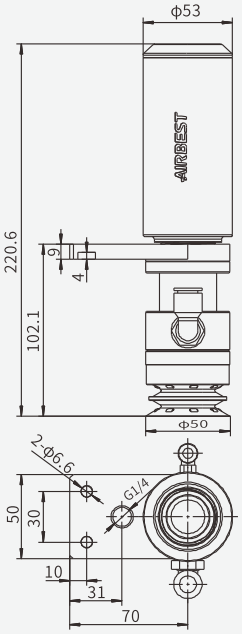
SLB50-M20S-F2



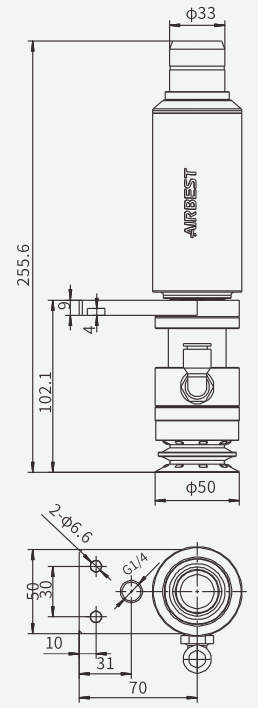
SLB50-M20S-F4



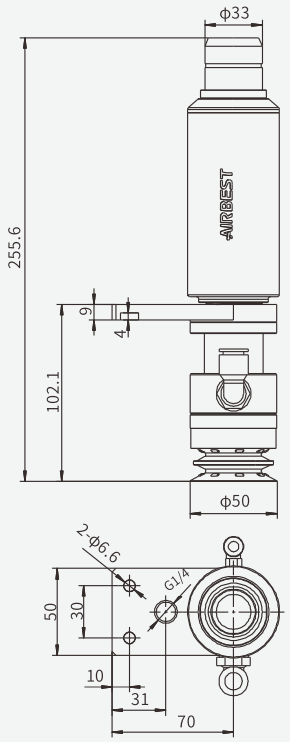
SLB50-M20SD-F4



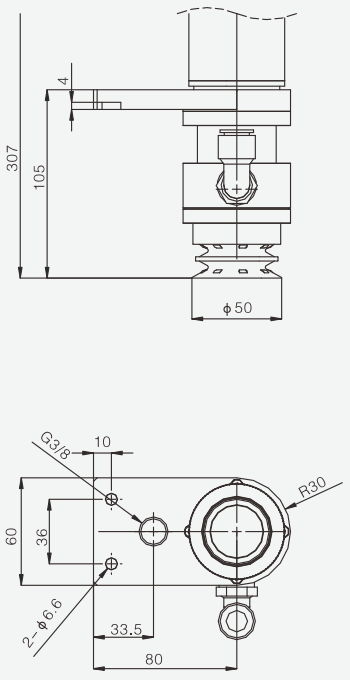
SLB50-M20T-F4



SLB50-M20TD-F4

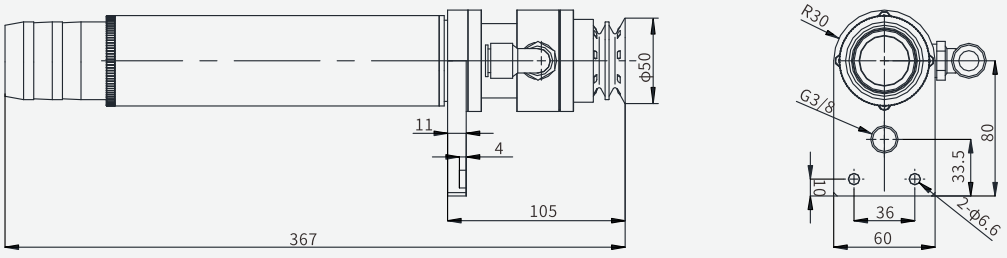


SLB50–M30S–F6

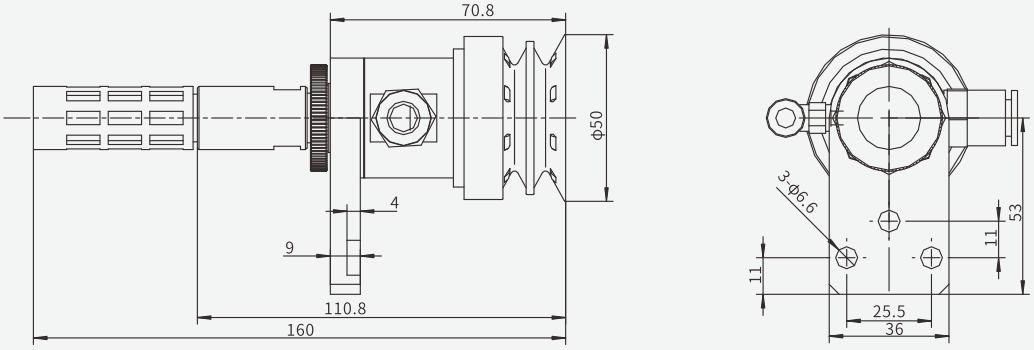


Dimensions (mm)

SLB50–M30T–F6



SLB50–P7SDK–F5



SLB50–P15SDK–F7