



Suction cup type



Sealing gasket(Sponge) type

Features

- ◇ The body is made of aluminum alloy, strong structure and light weight.
- ◇ Multistage vacuum pump is used as vacuum source, high vacuum flow and short response time.
- ◇ Integrated with vacuum generation, vacuum filter, vacuum breaking, exhaust silence and built-in check valve.
- ◇ Built-in check valve can automatically block free suction port to reduce the loss of vacuum flow.

Applications

- ◇ PCB
- ◇ Wooden plate
- ◇ Carton
- ◇ Metal plate
- ◇ Plastic

How to order

TXC 120×400 A - V

① ② ③ ④

① Series	② Dimension		③ Adsorbing type	④ Check valve
TXC	120×60	120×800	A - Sealing gasket(Sponge) type	Nil- Standard, Without check valve
	120×300	120×1000		
	120×400	120×1200	B - Suction cup type (Suction cup model-SPC40S)	V - With check valve
	120×600			

◇Note: Except standard vacuum gripping system TXC and TXM series, AIRBEST also offers tailor-made vacuum gripping system. If any tailor-made demand, please consult with AIRBEST.

Selection

Model/Specification	A	A-V	B	B-V
TXC120×60	●	●	—	—
TXC120×300	●	●	●	●
TXC120×400	●	●	●	●
TXC120×600	●	●	●	●
TXC120×800	●	●	●	●
TXC120×1000	○	○	○	○
TXC120×1200	○	○	○	○

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

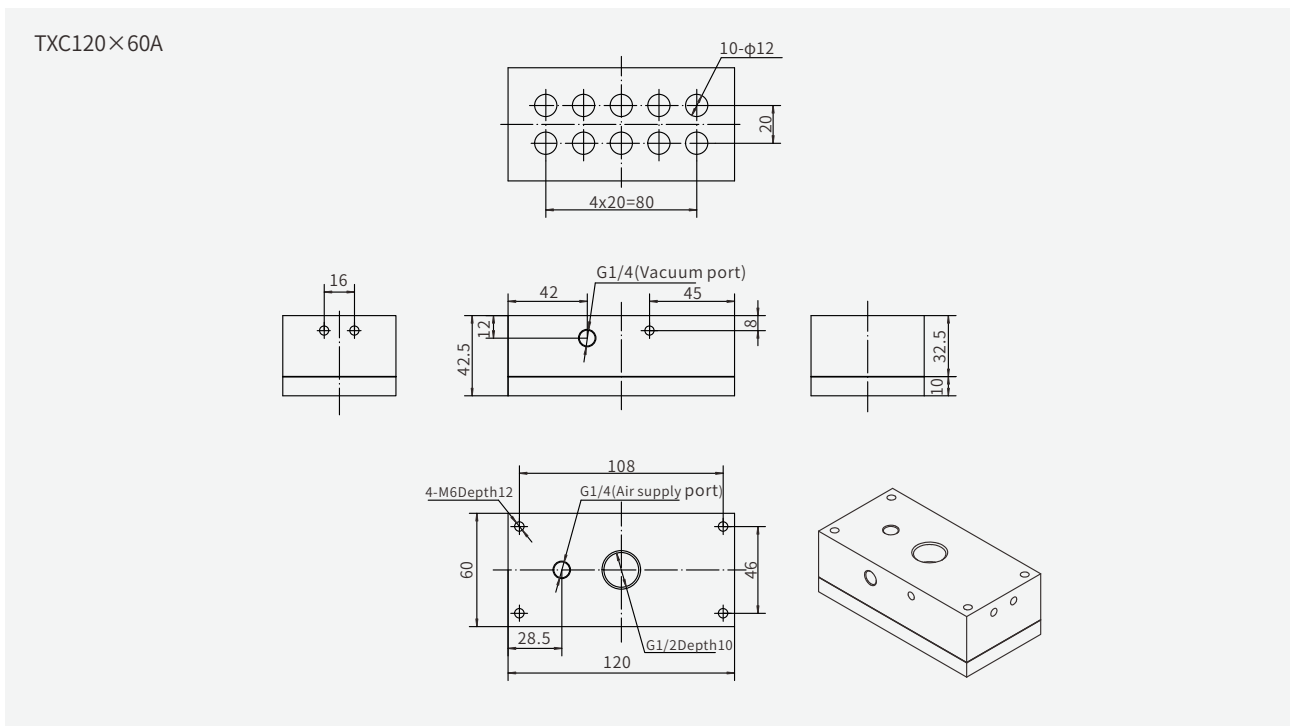
Technical parameters

Model	Air supply pressure(bar)	Max. vacuum level (-kPa)	Max. vacuum flow (NL/min)	Max. Air consumption (NL/min)
TXC120×60	6.0	83	150	85
TXC120×300	6.0	75	640	215
TXC120×400	6.0	75	640	215
TXC120×600	6.0	75	1,250	430
TXC120×800	6.0	75	1,250	430
TXC120×1000	6.0	75	1,950	830
TXC120×1200	6.0	75	1,950	830

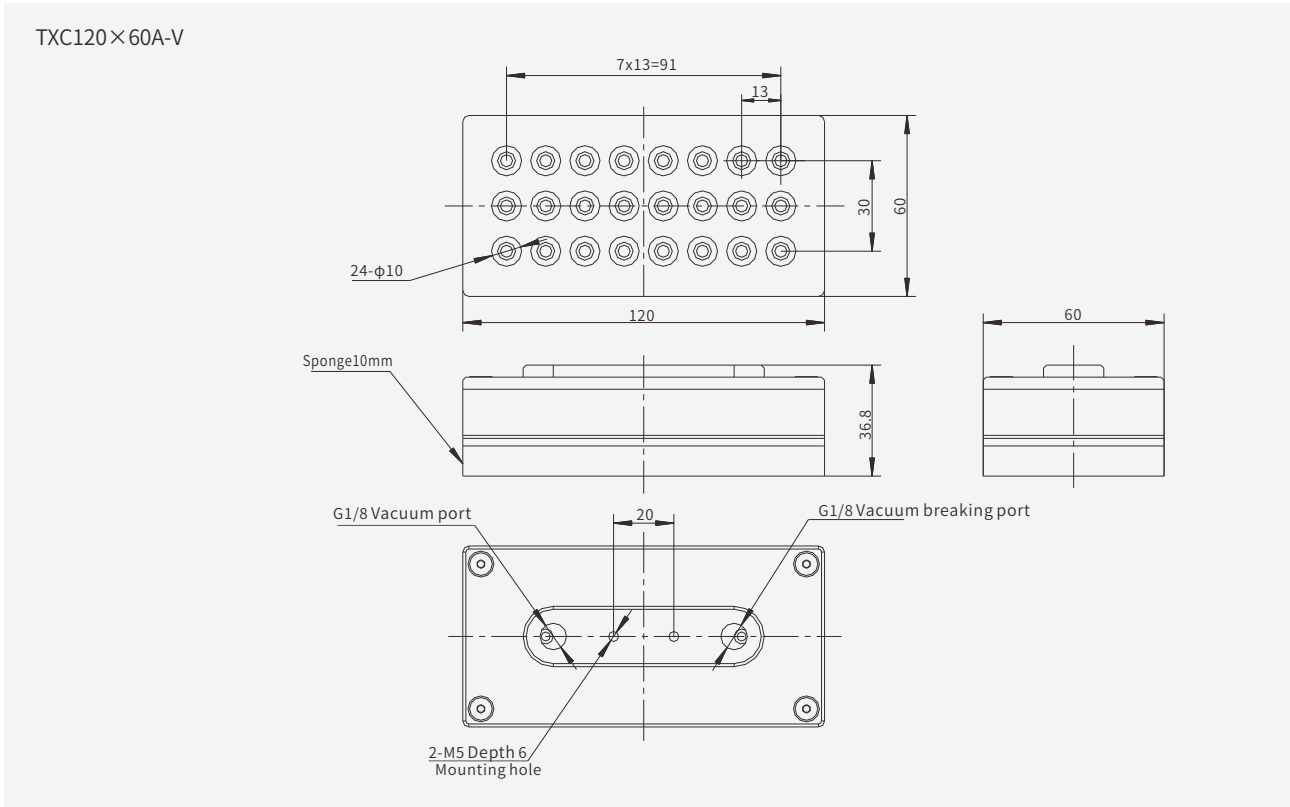
Model	Suction force (N)	weight(kg)				Recommended hose dia.(mm)
		A	A-V	B	B-V	
TXC120×60	68	0.5	0.4	—	—	8
TXC120×300	516	2.5	2.7	3.5	3.6	8
TXC120×400	689	2.8	3.4	4.5	4.6	8
TXC120×600	1,030	3.5	5.1	6.5	6.7	8
TXC120×800	1,378	4.2	6.5	8.5	8.7	8
TXC120×1000	1,949	4.6	7.1	10.5	10.7	10
TXC120×1200	2,260	5.6	7.5	11.2	11.5	10

◇Note:Testing vacuum level -60kPa.The data of suction force as above are figured out in the condition that the vacuum gripper is fully covered by a rigid airtight workpiece, and without including safety factor. Working temperature:-20~80°C.

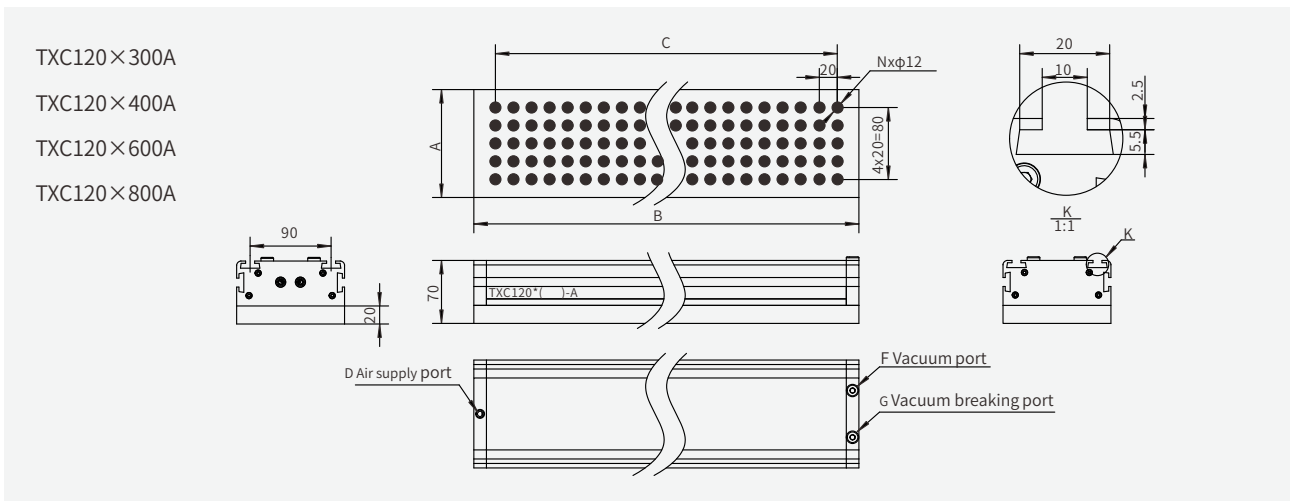
Dimensions (mm)



Dimensions (mm)

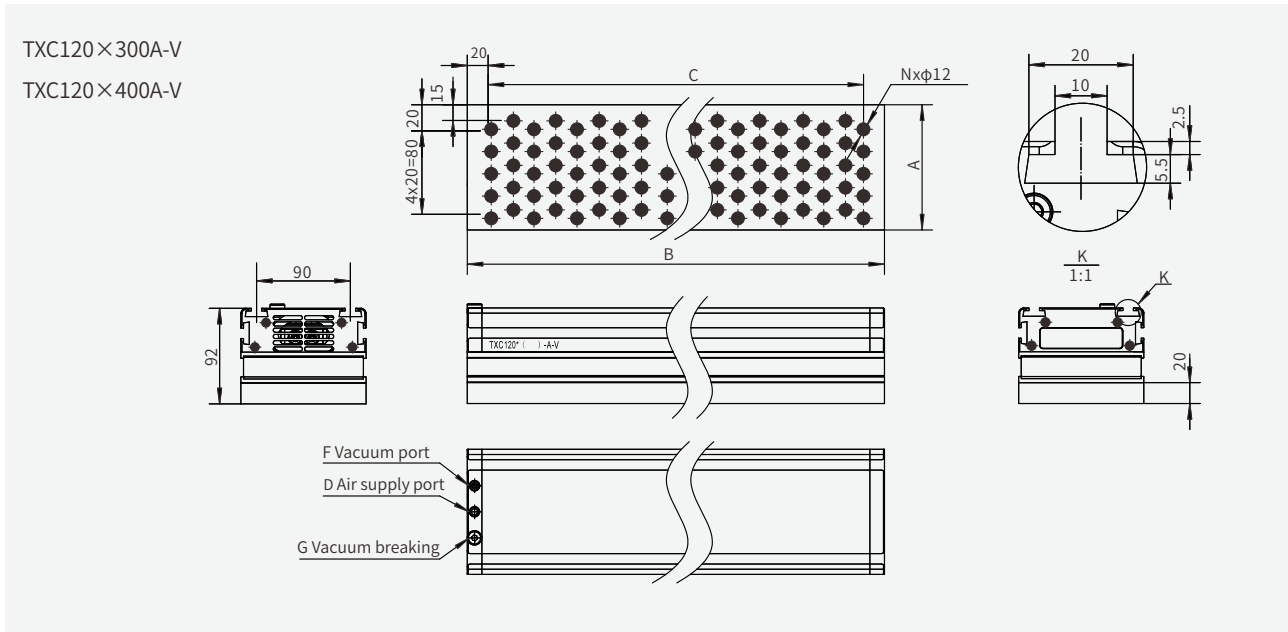


◇Note:TXC120x60A-V is standard equipped with an external vacuum pump ABM30-C.

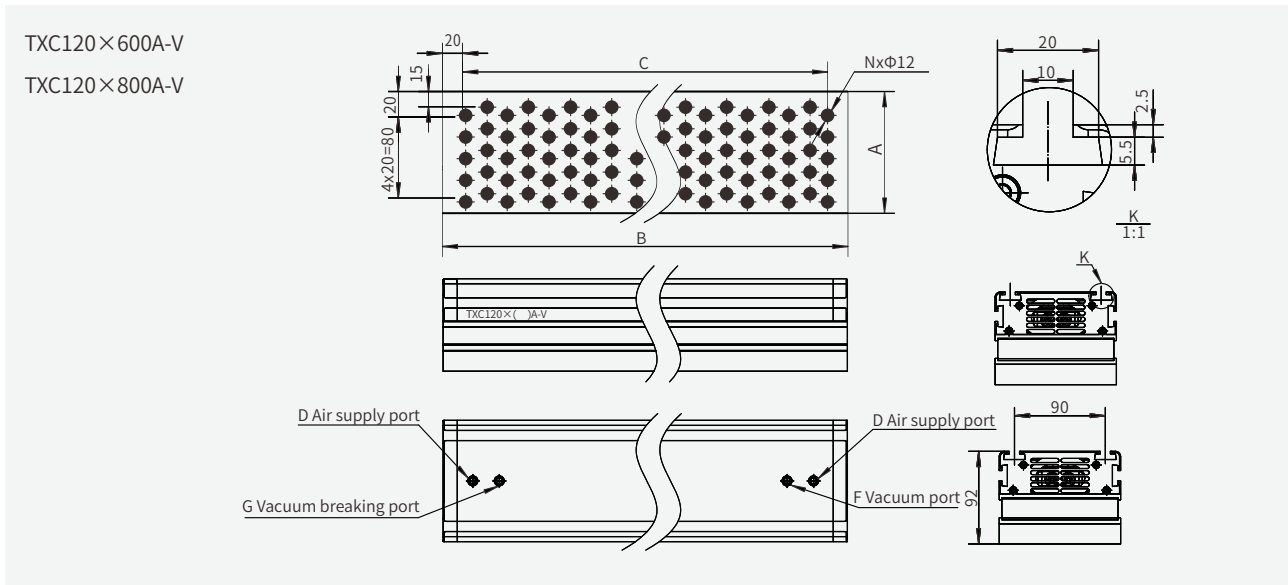


Model/Size	A	B	C	D	F	G	N(suction hole number)
TXC120×300A	120	328	280	G1/8	G1/8	G1/8	75
TXC120×400A	120	428	380	G1/8	G1/8	G1/8	100
TXC120×600A	120	628	580	G1/8	G1/8	G1/8	150
TXC120×800A	120	828	780	G1/8	G1/8	G1/8	200

Dimensions (mm)



Model/Size	A	B	C	D	F	G	N(suction hole number)
TXC120×300A-V	120	300	260	G1/8	G1/8	G1/8	70
TXC120×400A-V	120	400	360	G1/8	G1/8	G1/8	95



Model/Size	A	B	C	D	F	G	N(suction hole number)
TXC120×600A-V	120	600	560	Φ8	Φ8	Φ8	145
TXC120×800A-V	120	800	760	Φ8	Φ8	Φ8	195

Note: φ8 means hose diameter.

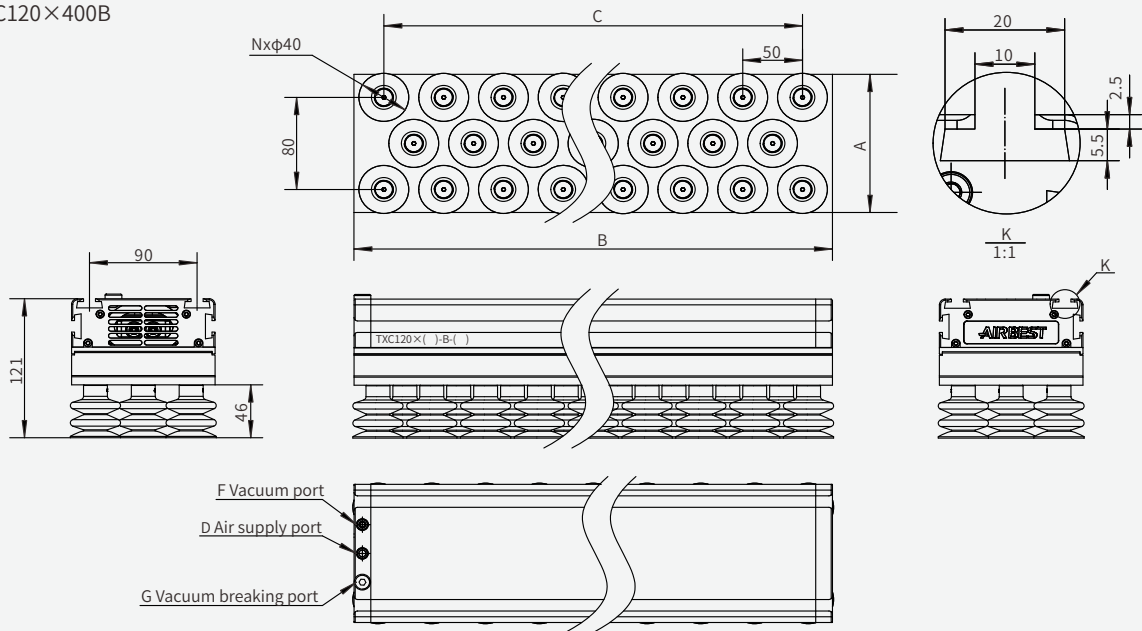
Dimensions (mm)

TXC120×300B-V

TXC120×300B

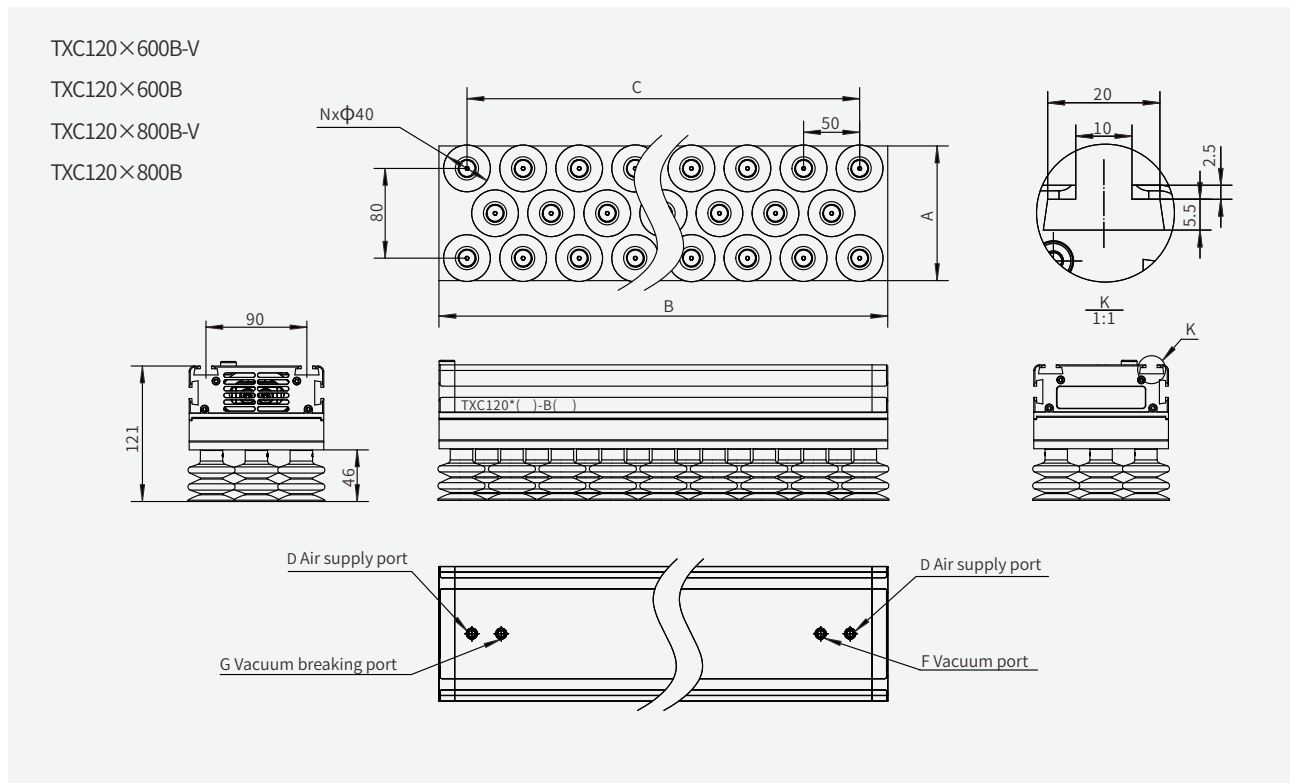
TXC120×400B-V

TXC120×400B



Model/Size	A	B	C	D	F	G	N (suction hole number)
TXC120×300B-V	120	300	250	G1/8	G1/8	G1/8	17
TXC120×300B							
TXC120×400B-V	120	400	350	G1/8	G1/8	G1/8	23
TXC120×400B							

Dimensions (mm)



Model/Size	A	B	C	D	F	G	N(suction hole number)
TXC120×600B-V	120	600	550	Φ8	Φ8	Φ8	35
TXC120×600B							
TXC120×800B-V	120	800	750	Φ8	Φ8	Φ8	47
TXC120×800B							

◇Note:φ8 means hose diameter. For dimension of TXC120x1000 and TXC120x1200,please consult with AIRBEST.

Spare parts

Item	Model	Applicable vacuum gripping system
Sponge	TXC120×60NF	TXC120×60A
	TXC120×300NF	TXC120×300A
	TXC120×400NF	TXC120×400A
	TXC120×600NF	TXC120×600A
	TXC120×800NF	TXC120×800A
	TXC120×300NF-V	TXC120×300A-V
	TXC120×400NF -V	TXC120×400A -V
	TXC120×600NF-V	TXC120×600A-V
	TXC120×800NF-V	TXC120×800A-V