

AZL Series

Multistage Vacuum Generator

AIRBEST



METAL SHEET



PACKAGING



PLASTIC

RoHS

Features

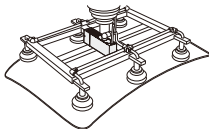
- ◇ Multi-level and energy-efficient design
- ◇ Optional solenoid valve and pressure switch
- ◇ Built-in vacuum filter and silencer
- ◇ Vertical and lateral mounting holes for option

Advantages

- ◇ Vacuum flow can be increased, save air consumption and shorten working cycle
- ◇ Control function is optional, no need of separate external connection to save space and reduce cost
- ◇ Minimize noise, the filter element is replaceable
- ◇ A variety of installation ways are available

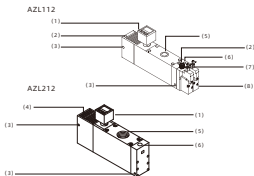
Applications

- ◇ Suitable for handling of cartons, metal sheet and plastics
- ◇ Suitable for occasions which require large vacuum flow, fast evacuation and low air consumption



Structure

- ◇ (1) Pressure switch
- ◇ (2) Vertical mounting hole
- ◇ (3) Lateral mounting hole
- ◇ (4) Exhaust port
- ◇ (5) Vacuum port
- ◇ (6) Air supply port
- ◇ (7) Vacuum release valve
- ◇ (8) Vacuum supply valve



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How to order

AZL 112 - A - DCN

① ② ③ ④

① Series	② Nozzle diameter	③ Control valve	④ Digital vacuum pressure switch
AZL	112 - 1×φ1.2mm 212 - 2×φ1.2mm	Nil - Without vacuum supply valve and vacuum release valve A - With vacuum supply valve and vacuum release valve	Nil - Default, without external vacuum port NP - With vacuum port Rc1/8, without pressure switch DCN - Compound pressure switch (-100.0~100.0kPa), 2NPN+V(1-5V) DCP - Compound pressure switch (-100.0~100.0kPa), 2PNP+V(1-5V)

Selection-AZL112 Series

Model/Control valve	A - With vacuum supply valve +vacuum release valve
Nil- Without control valve	
AZL112	AZL112-A
AZL112-NP	AZL112-A-NP
AZL112-DCN	AZL112-A-DCN
AZL112-DCP	AZL112-A-DCP

Selection-AZL212 Series

Model/Control valve	A - With vacuum supply valve +vacuum release valve
Nil- Without control valve	
AZL212	-
AZL212-NP	-
AZL212-DCN	-
AZL212-DCP	-

Technical parameters

Model	Rated air supply pressure bar	Max. vacuum level -kPa	Max. vacuum flow NL/min	Air consumption NL/min	Noise level dB(A)	Working temperature °C	Recommended hose dia.(mm) Air supply port (P) Vacuum port (V)
AZL112	4.0	84	100	63	70	5~50	φ6 φ12
AZL212	4.0	84	200	126	77	5~50	φ8 φ12

○ Note: Max.operating pressure 7bar, recommended air supply pressure range 2-5bar. Noise level is measured by the vacuum generator with built-in silencer.

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	80	Max. vacuum level -kPa
AZL112	4.0	63	100.0	65.0	26.0	20.0	18.5	13.0	8.0	5.0	2.8	84
AZL212	4.0	126	200.0	150.0	52.0	40.0	30.0	25.0	15.0	8.0	3.0	84

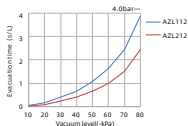
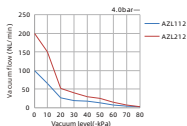
Evacuation time(s/L) to reach different vacuum levels(-kPa)

Model	Air supply pressure bar	Air consumption NL/min	10	20	30	40	50	60	70	80	Max. vacuum level -kPa
AZL112	4.0	63	0.05	0.17	0.40	0.67	1.07	1.63	2.46	3.9	84
AZL212	4.0	126	0.02	0.08	0.25	0.42	0.65	0.98	1.52	2.46	84

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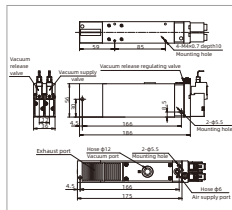


Technical parameters- Control valve

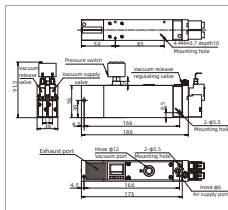
Type of valve actuation	Internal pilot type NC (normally closed)
Operating pressure range	2.0~5.0bar
Rated voltage	24V
Ambient and fluid temperature	5~50°C
Response time (at 0.5Mpa)	25ms below
Max. operating frequency	5Hz
Manual operation	Slotted locking type

Pilot exhaust type	Individual exhaust, concentrated exhaust
Lubrication	Not required
Mounting position	Unrestricted
Impact/Vibration resistance	150/30m/s ²
Enclosure	Dust-proof
Lead wire type	Direct lead out type, lead wire length 0.3m

Dimensions(mm)



AZL112-A



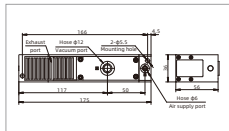
AZL112-A-DCN AZL112-A-DCP

AZL Series

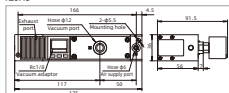
Multistage Vacuum Generator

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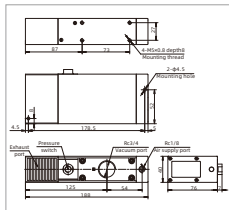
Dimensions(mm)



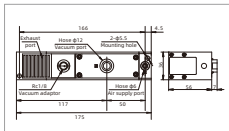
AZL112



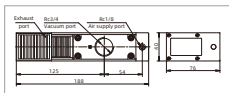
AZL112-DCN AZL112-DCP



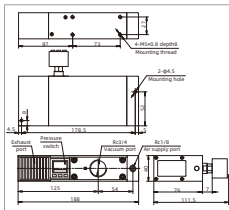
AZL212-NP



AZL112-NP



AZL212



AZL212-DCN AZL212-DCP

Vacuum Generator

AZK

AZQ

AZX

AZD

AGS

AGB

AGP

AGX

AGE

ABP/ABX

ABAB/

Combined type

AMC

AM/AM

AB/AB

Combined type

ABD

AZ1W

AZR

ABT

ABP

ABQ

AEVC

AZL

ALH

AZH

AZU

ACV

ASBP

ALS

ACP

ACPF

ACPS

APB