

INDUSTRIAL VACUUM AUTOMATION

Vacuum Generators & Ejectors

Compressed-air vacuum supply, from 4 mm mini ejectors to large-flow conveying units.



1 Vacuum Generators & Ejectors

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Every All your base INC ejector works on the same Venturi principle: compressed air accelerated through a nozzle entrains the surrounding air and evacuates the connected volume. What separates the families is the trade-off they take between the two numbers that matter, vacuum level and vacuum flow, and how much of the control system is built into the body.

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1.1

Mini & Compact Ejectors

Smallest footprint in the range. Mounted directly at the cup or on the tool plate, where hose volume is the limit on cycle time.



ABM/ABX Mini Vacuum Generator

2 VARIANTS

■ Suitable port connection specifications can be selected according to the on-site requirements

MAX. VACUUM LEVEL	AIR SUPPLY PRESSURE	NOISE LEVEL	TEMPERATURE RANGE
-92 to -85 kPa	4.5-6.0 bar	50-68 dB(A)	-20 to 80 °C

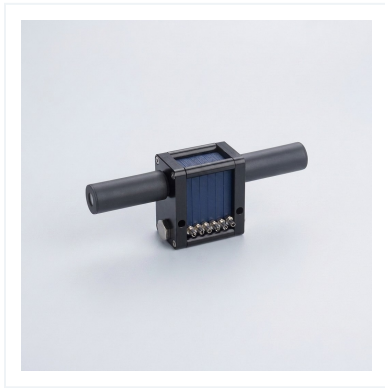
TECHNICAL DATA

Noise level	50-68 dB(A)	Weight	58-112 g
Air supply pressure	4.5-6.0 bar	Temperature range	-20 to 80 °C
Air supply port	φ6, φ8, φ10, φ12	Vacuum port	φ8, φ10, φ12
Connection/thread	G1/8, NPSF1/8, G3/8	Sealing materials	NBR, Fluorine rubber, EPDM

VARIANTS: 2 SIZES

MODEL	MAX. VACUUM LEVEL	MAX. VACUUM FLOW	AIR CONSUMPTION
ABM	-85 kPa	35-220 NL/min	12-125 NL/min
ABX	-92 kPa	30-185 NL/min	18-137 NL/min

Reference price 1,681 Kč



ABM/ABX Mini Combined Vacuum Generator

- It can meet different requirements of vacuum flow in different working conditions

AIR SUPPLY PRESSURE RANGE
4.5~6.0 bar

NOISE LEVEL
50~65 dB(A)

WORKING TEMPERATURE
-20~80 °C

TECHNICAL DATA

Max. vacuum level
-85 kPa (ABM), -92 kPa (ABX)

Air supply pressure range
4.5~6.0 bar

Max. vacuum flow
25 NL/min (ABM5×2-4), 32 NL/min (ABM10×2-4), 23 NL/min (ABX5×2-4), 32 NL/min (ABX10×2-4)

Air consumption
20 NL/min (ABM5×1), 42 NL/min (ABM10×1), 22 NL/min (ABX5×1), 40 NL/min (ABX10×1)

Noise level
50~65 dB(A)

Working temperature
-20~80 °C

Weight
67 g (ABM5×2-4), 80 g (ABM5×3-4), 247 g (ABM5×4-4), 255 g (ABM5×5-4), 281 g (ABM5×6-4), 299 g (ABM5×7-4), 317 g (ABM5×8-4)

Hose diameter (vacuum port)
φ6 mm (ABM5×2-4, ABM5×3-4), φ8 mm (ABM5×4-4, ABM5×5-4)

Connection
G3/8×1

Dimensions (H1)
28 mm (ABM5×2-4), 36 mm (ABM5×3-4), 50.5 mm (ABM5×4-4), 58 mm (ABM5×5-4)

Dimensions (H2)
- (ABM5×2-4), - (ABM5×3-4), 40.5 mm (ABM5×4-4), 48 mm (ABM5×5-4)

Dimensions (L)
- (ABM5×2-4), - (ABM5×3-4), - (ABM5×4-4), - (ABM5×5-4)



ABT Mini Vacuum Generator

- Can be connected to the hose directly, Suitable for installation in narrow spaces

ORDERING OPTIONS

- ① Series ABT
- ② Specification S02 X10



AYB Mini Vacuum Generator

4 VARIANTS

- It can meet different requirements of vacuum flow in different working conditions

MAX VACUUM LEVEL (KPA)	MAX VACUUM FLOW (NL/MIN)	AIR CONSUMPTION (NL/MIN)	RATED AIR SUPPLY PRESSURE (BAR)
58 to 88	7 to 20	11 to 22	5

TECHNICAL DATA

Rated Air Supply Pressure (bar)	5	Noise Level (dB(A))	80
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VARIANTS: 4 SIZES

MODEL	MAX VACUUM LEVEL (KPA)	MAX VACUUM FLOW (NL/MIN)	AIR CONSUMPTION (NL/MIN)	WEIGHT (G)	AIR SUPPLY PORT DIAMETER (MM)	VACUUM PORT DIAMETER (MM)
AYB05H	88	7	11	19	4	4
AYB07H	88	12.5	22	20	6	6
AYB05L	58	12	11	19	4	4
AYB07L	58	20	22	20	6	6



ALS Linear Single-Stage Vacuum Generator

- Suitable for installation occasions with small space and fast movement

ORDERING OPTIONS

- ① Series ALS
- ② Vacuum port connection thread M5F - M5×0.8 female thread

1.2

In-Line & Basic Ejectors

Bare Venturi cartridges without integrated valves. The economical choice where the machine already provides air control.



ACV Basic Vacuum Generator

12 VARIANTS

- Cost-effective and simple pressure switch for detecting directly

ORDERING VARIANTS: PRESSURE SWITCH

NIL: WITHOUT PRESSURE SWITCH

CK: WITH ADJUSTABLE PRESSURE SWITCH

ACV-05HS

ACV-05HSCK

ACV-10HS

ACV-10HSCK

ACV-15HS

ACV-15HSCK

ACV-20HS

ACV-20HSCK

ACV-25HS

-

ACV-30HS

-

ACV-05LS

ACV-05LSCK

ACV-10LS

ACV-10LSCK

ACV-15LS

ACV-15LSCK

ACV-20LS

ACV-20LSCK

ACV-25LS

-

ACV-30LS

-

Reference price 907 Kč



ASBP Basic Vacuum Generator

- Easy installation and space-saving

ORDERING OPTIONS

- ① Series ASBP
- ② Nozzle diameter 10 - $\phi 1.0\text{mm}$



AZH Basic Vacuum Generator

11 VARIANTS

- Thread connection and one-touch fitting for option

ORDERING VARIANTS: SHAPE BS/DS

STANDARD	BL/DL
AZH05BS-06-06 AZH05BS-01-01	AZH05BL-06-06 AZH05BL-01-01
AZH07BS-06-06 AZH07BS-01-01	AZH07BL-06-06 AZH07BL-01-01
AZH10BS-06-06 AZH10BS-01-01	AZH10BL-06-06 AZH10BL-01-01
AZH13BS-08-10 AZH13BS-01-02	AZH13BL-08-10 AZH13BL-01-02
AZH05DS-06-06-06 AZH05DS-01-01-01	AZH05DL-06-06-06 AZH05DL-01-01-01
AZH07DS-06-06-06 AZH07DS-01-01-01	AZH07DL-06-06-06 AZH07DL-01-01-01
AZH10DS-06-06-08 AZH10DS-01-01-01	AZH10DL-06-06-08 AZH10DL-01-01-01
AZH13DS-08-10-10 AZH13DS-01-02-02	AZH13DL-08-10-10 AZH13DL-01-02-02
AZH15DS-10-12-12 AZH15DS-02-03-03	AZH15DL-10-12-12 AZH15DL-02-03-03
AZH18DS-12-12-12 AZH18DS-03-03-03	AZH18DL-12-12-12 AZH18DL-03-03-03
AZH20DS-12-16-16 AZH20DS-03-04-04	AZH20DL-12-16-16 AZH20DL-03-04-04



AZU Basic Vacuum Generator

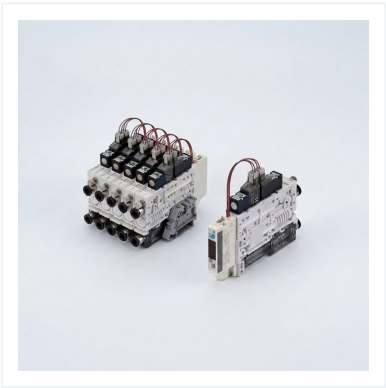
- Easy installation, no additional installation accessories are required

ORDERING OPTIONS

07 $\varnothing$ 0.7mm **L** Large vacuum flow type (-48kPa)

Integrated & Valve-Unit Ejectors

Ejector, supply valve, blow-off valve, silencer and often a vacuum switch in one body. One air line and one electrical connector per gripping point.



AZK

Integrated Vacuum Generator

4 VARIANTS

■ Simple installation can be installed directly on the distribution box

MAX. VACUUM LEVEL	MAX. VACUUM FLOW	AIR CONSUMPTION	AIR SUPPLY PRESSURE RANGE
74 to 91 kPa	40 to 68 NL/min	26 to 85 NL/min	3.0~6.0 bar

TECHNICAL DATA

Air supply pressure range	3.0~6.0 bar	Noise level	65~70 dB(A)
Recommended hose diameter (Air supply port)	φ6 mm	Volume	85 cm³

VARIANTS: 4 SIZES

MODEL	RATED AIR SUPPLY PRESSURE	MAX. VACUUM LEVEL	MAX. VACUUM FLOW	AIR CONSUMPTION	WEIGHT	RECOMMENDED HOSE DIAMETER (VACUUM PORT)
AZK-S	6 bar	74 kPa	44 NL/min	26 NL/min	88.5 g	φ6 mm
AZK-X	5 bar	91 kPa	41 NL/min	29 NL/min	88.5 g	φ6 mm
AZK-P	3.7 bar	88 kPa	40 NL/min	32 NL/min	88.5 g	φ6 mm
AZK-L	5 bar	90 kPa	68 NL/min	85 NL/min	102 g	φ8 mm



AZQ Integrated Vacuum Generator

3 VARIANTS

- The device is compact and can be installed directly in the handling system

MAX VACUUM LEVEL	MAX VACUUM FLOW	AIR CONSUMPTION	AIR SUPPLY PRESSURE RANGE
84 to 91 kPa	12 to 40 NL/min	8.2 to 15.5 NL/min	3.0~6.0 bar

TECHNICAL DATA

Volume	43.5 cm ³	Air Supply Pressure Range	3.0~6.0 bar
Noise Level	64~70 dB(A)	Vacuum Port Specification	φ4/φ6

VARIANTS: 3 SIZES

MODEL	RATED AIR SUPPLY PRESSURE	MAX VACUUM LEVEL	MAX VACUUM FLOW	AIR CONSUMPTION	WEIGHT	RECOMMENDED HOSE DIAMETER	AIR SUPPLY
AZQ-X	5.0 bar	91 kPa	12 NL/min	8.2 NL/min	75.4 g	φ6	Individual air supply
AZQ-T	4.5 bar	84 kPa	16 NL/min	15.5 NL/min	75.4 g	φ6	Individual air supply
AZQ-B	-	-	40 NL/min	-	78.2 g	φ4	Centralized air supply



AZW Large-Flow Integrated Vacuum Generator

- High vacuum level, large flow, it can reach high vacuum level in a short time

ORDERING OPTIONS

- ① Series AZW
- ② Vacuum stack quantity 03V - 3 stacks



AZX Large-Flow Integrated Vacuum Generator

2 VARIANTS

- High reliability and stability

ORDERING VARIANTS: VACUUM SWITCH N

STANDARD	P
AZX20-N	AZX20-P
AZX30-N	AZX30-P

Reference price NT\$4,400



AGB Vacuum Generator

- Can be used in the occasions with limited space and weight, easy to install

ORDERING OPTIONS

- ① Series AGB ② Specification S02 - 2 (-75kPa)



AGP Vacuum Generator

- Multiple suction cups can be connected at the same time

ORDERING OPTIONS

- ① Series AGP ② Specification S08-3 (-75kPa)



AGS Vacuum Generator

14 VARIANTS

- Suitable vacuum generators can be selected according to different working conditions

ORDERING VARIANTS

STANDARD	OPTION
AGS-C-S02-2	-
AGS-C-X2.5-2	-
AGS-C-T05-2	-
AGS-N-S08-2 AGS-N-S08-2-S	AGS-N-S08-2-V AGS-N-S08-2-V-S
AGS-N-S08-3 AGS-N-S08-3-S	AGS-N-S08-3-V AGS-N-S08-3-V-S
AGS-N-X10-2 AGS-N-X10-2-S	AGS-N-X10-2-V AGS-N-X10-2-V-S
AGS-N-X10-3 AGS-N-X10-3-S	AGS-N-X10-3-V AGS-N-X10-3-V-S
AGS-N-P12-2 AGS-N-P12-2-S	AGS-N-P12-2-V AGS-N-P12-2-V-S
AGS-N-P12-3 AGS-N-P12-3-S	AGS-N-P12-3-V AGS-N-P12-3-V-S
AGS-N-D16-2 AGS-N-D16-2-S	AGS-N-D16-2-V AGS-N-D16-2-V-S
AGS-D-S32-2 AGS-D-S32-2-S	AGS-D-S32-2-V AGS-D-S32-2-V-S
AGS-D-S32-3 AGS-D-S32-3-S	AGS-D-S32-3-V AGS-D-S32-3-V-S
AGS-D-X40-2 AGS-D-X40-2-S	AGS-D-X40-2-V AGS-D-X40-2-V-S
AGS-D-X40-3 AGS-D-X40-3-S	AGS-D-X40-3-V AGS-D-X40-3-V-S



AGX Vacuum Generator

- The suitable vacuum generators can be selected according to different working conditions

ORDERING OPTIONS

- ① **Series** AGX
- ② **Specification** S32-3 (-75kPa)

Multi - Stage Ejectors

Two or three nozzle stages in series. Substantially more flow per NL/min of air consumed than a single stage, which is what porous material handling needs.



AM/AL/AH Multi - Stage Vacuum Generator

- Save compressed air consumption when handling airtight workpieces

A specification table is not published for this family. Confirm dimensions, performance data and ordering details before purchase.



AM/AL/AH Combined Multi - Stage Vacuum Generator

- Easy installation and easy operation

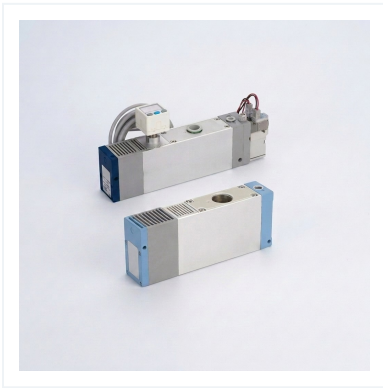
A specification table is not published for this family. Confirm dimensions, performance data and ordering details before purchase.



AMC Multi - Stage Vacuum Generator

- It is energy - saving when handling airtight workpieces

A specification table is not published for this family. Confirm dimensions, performance data and ordering details before purchase.



AZL Multi-Stage Vacuum Generator

- A variety of installation ways are available

TECHNICAL DATA

Selection - AZL112
Series

Selection - AZL212
Series



AMD Large-Flow Vacuum Generator

8 VARIANTS

- Various connection specifications can meet different customized requirements

MAX. VACUUM LEVEL	MAX. VACUUM FLOW	AIR CONSUMPTION	AIR SUPPLY PRESSURE RANGE
75 to 95 kPa	354 to 1410 NL/min	130 to 540 NL/min	4.0~7.0 bar

TECHNICAL DATA

Housing Material	Aluminum alloy	Air Supply Pressure Range	4.0~7.0 bar
Working Temperature	-10~80 °C	Noise Level	63~72 dB(A)

VARIANTS: 8 SIZES

MODEL	RATED AIR SUPPLY PRESSURE	MAX. VACUUM LEVEL	MAX. VACUUM FLOW	AIR CONSUMPTION	RECOMMENDED HOSE DIAMETER (AIR SUPPLY PORT)	RECOMMENDED HOSE DIAMETER (VACUUM PORT)
AMD-X1	5 bar	95 kPa	354 NL/min	135 NL/min	≥φ8 mm	≥φ25 mm
AMD-X2	5 bar	95 kPa	700 NL/min	270 NL/min	≥φ8 mm	≥φ25 mm
AMD-X3	5 bar	95 kPa	980 NL/min	405 NL/min	≥φ10 mm	≥φ45 mm
AMD-X4	5 bar	95 kPa	1380 NL/min	540 NL/min	≥φ10 mm	≥φ45 mm
AMD-S1	6 bar	75 kPa	360 NL/min	130 NL/min	≥φ8 mm	≥φ32 mm
AMD-S2	6 bar	75 kPa	710 NL/min	260 NL/min	≥φ8 mm	≥φ32 mm
AMD-S3	6 bar	75 kPa	1050 NL/min	390 NL/min	≥φ10 mm	≥φ45 mm
AMD-S4	6 bar	75 kPa	1410 NL/min	520 NL/min	≥φ10 mm	≥φ45 mm

Energy - Saving Ejectors

Air-saving control shuts the supply once the set vacuum is reached and re-opens only on decay. On airtight workpieces this cuts consumption to a fraction of continuous running.



AGE Mechanical Energy-Saving Vacuum Generator

- Energy-saving function, it can help customers to minimize the cost

ORDERING OPTIONS

- ① **Series AGE**
- ② **Control device** Nil - Default, without control device



AZD Energy-Saving Vacuum Generator

- Easy to install, space-saving

MAX VACUUM LEVEL	MAX VACUUM FLOW	AIR CONSUMPTION	AIR SUPPLY PRESSURE RANGE
83 kPa	130 NL/min	70 NL/min	4.0~7.0 bar

TECHNICAL DATA

Model	AZD20	Air supply pressure range	4.0~7.0 bar
Max vacuum level	83 kPa	Max vacuum flow	130 NL/min
Air consumption	70 NL/min	Noise level	69 dB(A)
Solenoid valve status	Normally closed (NC)	Working voltage	DC24 V
Rated power	2.5 W	Working temperature range	0~60 °C
Weight (ES)	620 g	Weight (CE)	690 g
Recommended hose diameter (air supply port)	φ8 mm	Recommended hose diameter (vacuum port)	φ10 mm

Ejectors with Fast Blow - Off

Reverse-pulse release for short cycles. The blow-off path is sized so that the cup lets go as fast as it grips.



ABP Vacuum Generator with Fast Blow - Off

- Connect hose directly, Suitable for installing in narrow space

ORDERING OPTIONS

- ① Series ABP ② Specification 10

Reference price NT\$2,440



ABQ Vacuum Generator with Fast Blow - Off

- Suitable for installing in narrow space, Easy installation, no need extra mounting accessory

ORDERING OPTIONS

- ① Series ABQ ② Specification 08



AEVC Vacuum Generator with Fast Blow - Off

- Could be fixed with a suction cup and connector directly

ORDERING OPTIONS

- S Vertical mounting block G1F G1/8 female thread L Lateral mounting block
G2F G1/4 female thread

Conveying & Large -Flow Generators

Straight-through bodies for moving particle, powder, gas and fluid, and for gripping highly permeable material where flow, not vacuum level, decides.



ACP

Conveying Vacuum Generator

4 VARIANTS

■ Handling of workpieces with high permeability, particle, powder, gas, and fluid

ORDERING VARIANTS: MATERIAL

NIL: ALUMINUM ALLOY	S: STAINLESS STEEL
ACP250	ACP250S
ACP375	ACP375S
ACP500	ACP500S
ACP750	ACP750S

ORDERING OPTIONS

375

S Stainless steel

Reference price NT\$954



ACPF

Conveying Vacuum Generator

6 VARIANTS

■ Straight-through design, extremely large vacuum flow

ORDERING VARIANTS: MATERIAL

NIL: ALUMINUM ALLOY	S: STAINLESS STEEL
ACPF2-3	ACPF2-3S
ACPF3-3	ACPF3-3S
ACPF5-6	ACPF5-6S
ACPF7-6	ACPF7-6S
ACPF15-3	ACPF15-3S
ACPF15-6	ACPF15-6S

ORDERING OPTIONS

3 3

S Stainless steel

Reference price NT\$800



- ## TECHNICAL DATA

ACPF

10 - $\varnothing 10\text{mm}$

ORDERING OPTIONS

① Series ② Nozzle diameter

Reference price NT\$1,800

Vacuum Blowers

High-flow, low-vacuum air amplification for very porous or heavily leaking loads.



3 VARIANTS

- ## ORDERING VARIANTS

ORDERING OPTIONS

① **Series** APB ② **Specifications** 420

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