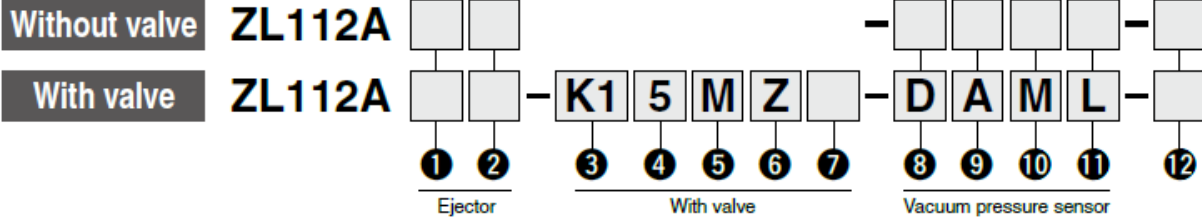


# Model Indication and How to Order



## 1 Supply (P), Vacuum (V) port/One-touch fitting connection size

Symbol	Supply (P) port	Vacuum (V) port	Vacuum pressure gauge unit specifications*1
Nil	ø6	ø12	kPa
N	ø1/4"	ø1/2"	inHg-psi

\*1 When the vacuum pressure gauge (Symbol: G) is selected for 8, these are the unit specification options. Under the New Measurement Act, products with inHg-psi unit specifications are not permitted for use in Japan.

## 2 Exhaust type

Nil	Silencer exhaust
P	Rc1/2 port exhaust
PF	G1/2 port exhaust*1
PN	1/2-14NPT port exhaust

\*1 The thread ridge shape is conforming to G thread standard (JIS B 0202), but other shapes are not conforming to ISO 1603 and ISO 1179.

## 3 Supply valve/Release valve combination

K1	Supply valve (N.C.), Release valve (N.C.)
K2	Supply valve (N.C.)
B1	Supply valve (N.O.), Release valve (N.C.)
B2	Supply valve (N.O.)

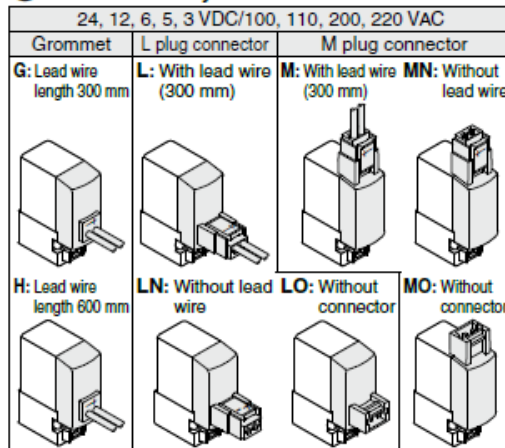
## 4 Rated voltage

DC		CE/UKCA-compliant
5	24 VDC	●
6	12 VDC	●
V	6 VDC	●
S	5 VDC	●
R	3 VDC	●

AC (50/60 Hz)		CE/UKCA-compliant
1	100 VAC	—
2	200 VAC	—
3	110 VAC [115 VAC]	—
4	220 VAC [230 VAC]	—

\* CE/UKCA-compliant: For DC only.

## 5 Electrical entry



\* LN, MN type: With 2 sockets per valve

\* Refer to page 5 for the lead wire length of L and M plug connectors.

## 6 Light/Surge voltage suppressor

Nil	Without light/surge voltage suppressor
S	With surge voltage suppressor
Z	With light/surge voltage suppressor
U	With light/surge voltage suppressor (Non-polar type)

\* Type U is 24 or 12 VDC only.

\* There is no "S" option for AC voltage valves because the generation of surge voltage is prevented by a rectifier.

## 7 Manual override

Nil	Non-locking push type
D	Push-turn locking slotted type

## 8 Vacuum pressure sensor

Nil	None
GN	Vacuum port adapter Rc1/8
G	Vacuum pressure gauge*1
D	Digital vacuum pressure switch

\*1 In 1, the units for mm spec fittings are in kPa. The units for inch spec fittings are in inHg-psi. (Under the New Measurement Act, products with these unit specifications are not permitted for use in Japan.)

## 10 Unit specifications

(Applicable only when the vacuum pressure sensor specification is "D" for digital vacuum pressure switch)

Nil	With unit switching function
M	SI unit only (kPa)
P	With unit switching function (Initial value psi)

\* Under the New Measurement Act, switches with the unit switching function are not permitted for use in Japan.

## 11 Lead wire specifications

(Applicable only when the vacuum pressure sensor specification is "D" for digital vacuum pressure switch)

Nil	Without lead wire
L	Lead wire with connector (2 m)

\* Output type N and P: 3 core lead wire is included. For other output options, 4 core lead wire is included.

## 9 Output specifications

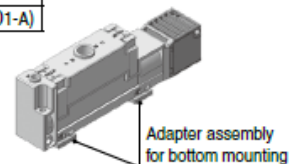
(Applicable only when the vacuum pressure sensor specification is "D" for digital vacuum pressure switch)

N	NPN open collector 1 output
P	PNP open collector 1 output
A	NPN open collector 2 outputs
B	PNP open collector 2 outputs
C	NPN open collector 1 output + Analog voltage output
D	NPN open collector 1 output + Analog current output
E	PNP open collector 1 output + Analog voltage output
F	PNP open collector 1 output + Analog current output

## 12 Option (Included)

Nil	None
B	Adapter assembly for bottom mounting (ZL112A-AD1-A)

- \* Bottom mounting screw pitch = 28 mm (Interchangeable with the current model ZL112)
- \* 2 pcs./set, with 4 bolts
- \* Mounting holes at the top and on the side are compatible without optional parts.



## Replacement parts list

No.	Description	Part number	Note
2	Suction cover assembly (Filter element included)	ZL112A-FC1□-A	□: Vacuum port size Nil: ø12, N: ø1/2"
3	Silencer case assembly (Sound absorbing material and clip included)	ZL112A-SC1-A	For silencer exhaust
	Port block assembly (Clip included)	ZL112A-EP1□-A	For port exhaust □: Exhaust port size Nil: Rc1/2, G: G1/2, N: 1/2-14NPT
4	Ejector assembly	ZL112A-EJ1-A	
5	Vacuum break flow adjusting needle	ZL112A-VP□-A	□: Supply valve/Release valve combination*1 1: Supply valve + Release valve, 2: Supply valve only
7	Filter element	ZL112A-FE1-A	1 pc. (page 17)
8	Sound absorbing material	ZL112A-SE1-A	1 pc. of each/set: Sound absorbing material 1 and 2 (page 17)
9	Supply valve, Release valve	SYJ5□4-□□□□-□	Refer to how to order the supply valve and release valve. (page 16)*1
10	Digital vacuum pressure switch	ZL-ZSE30A-00-□-□□	Vacuum pressure sensor: Digital vacuum pressure switch Refer to how to order the digital vacuum pressure switch. (page 16)
	Vacuum port adapter assembly	ZL112A-AD2-A	Vacuum pressure sensor: Vacuum port adapter
	Pressure gauge assembly	ZL112A-PG□-A	Vacuum pressure sensor: Vacuum pressure gauge □: Units for pressure 1 = kPa, 2 = inHg·psi*2
11	O-ring	ZL112A-OR1-A	5 pcs./set

\*1 It is not possible to switch between models without valves and with valves.

\*2 Under the New Measurement Act, products with inHg·psi unit specifications are not permitted for use in Japan.