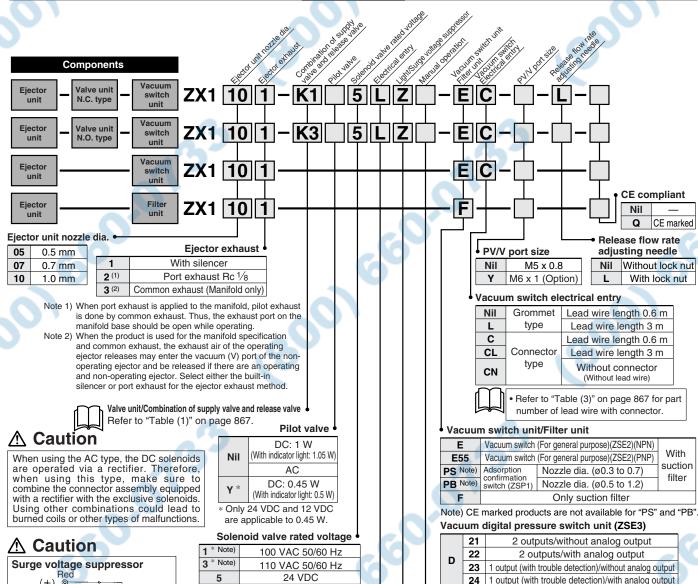
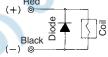
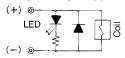
Vacuum Module: Series ZX







Light/Surge voltage suppressor



Using the DC type:

Match the polarity of the connectors according to the + and - marks on the connectors. Do not interchange the polarities to prevent the diodes or switching elements becoming burned.

If lead wires are pre-connected, the red wire is (+) and the black wire is (-). Using the AC type:

The AC type is not equipped with a surge voltage suppressor because the rectifier assembly prevents the generation of surge voltage.

1 * Note)	100 VAC 50/60 Hz					
3 * Note)	110 VAC 50/60 Hz					
5	24 VDC					
6	12 VDC					
V	6 VDC					
S	5 VDC					
R	3 VDC					
Nil	Air operated (K6, K8, J3, J4, D3, D4)					

Note) CE marked products are not available for "1" and "3".

 Applicable to plug connector only. (Connector assembly with rectifier is attached.)

taonoa.,	Electrical entry •					
	Lead wire length 0.3 m					
Dlug	Without lead wire (Applicable to DC only)					
-connector - type	Without connector					
	Lead wire length 0.3 m					
	Without lead wire (Applicable to DC only					
	Without connector					
Grommet	Lead wire length 0.3 m (Applicable to DC only)					
type	Lead wire length 0.6 m (Applicable to DC only)					
	Air operated					
	Plug connector type					

Note) In the case of "K1" or "J1" (combination of supply and release valves), M type plug connector can not be used.

D	21	2 outputs/without analog output
	22	2 outputs/with analog output
	23	1 output (with trouble detection)/without analog output
	24	1 output (with trouble detection)/with analog output

Note) Analog output is available only on grommet type.

the

The filter mounted on

used in an environment with a lot of dust, the

filter is likely to be

clogged quickly. The

use with the series

ZFA, ZFB and ZFC is

recommended.

product is simplified one. When

Manual operation

	•
Nil	Non-locking push type
В	Locking slotted type

Light/Surge voltage suppressor

	0 11
Nil	None
Z	With light/surge voltage suppressor
S *	With surge voltage suppressor

* S is not available for AC.

DC voltage (with surge voltage suppressor)
If the polarity is incorrect at DC (surge voltage suppressor), diode or switching element may be damaged.

- Refer to "Table (2)" on page 867 for part number of lead wire with connector.
- Refer to page 894 for ordering the manifold.
- · Refer to pages 924 and 925 for ordering a unit for replacement.



Made to Order (Refer to pages 930 to 934 for details.)

Table (1) Valve Unit/Combination of Supply Valve and Release Valve (Refer to page 868 for detailed specifications.)

Table (1) tall to only the transfer of tall to tall the tall to tall t													
Comp	onents		Supply valve				Release valve						
		Symbol	Solenoi	Solenoid valve		Air operated		Solenoi		Air operated	External release		Mass
Supply valve	Release valve	Syllibol	N.C.	N.O.	N.C.	N.O.	None	N.C.	N.C.	N.C.	ZX1A	None	(g)
			(VJ114)	(VJ324)	(ZX1A)	(VJA324)		(VJ114)	(VJ314)	(VJA314)	ZAIA		
Solenoid (N.C.)	Solenoid (N.C.)	K1	•		_	_	_	•	_	_	_	-	82
Solenoid (N.O.)	Solenoid (N.C.)	К3	0-	•	_	_	_	_	•	_	_	-	132
Air operated (N.C.)	External release	K6	2	_	•	_	_		1	_	•	-	58
Air operated (N.O.)	Air operated (N.C.)	K8	_		_	•	-	-	-	•	_	-	132
Solenoid (N.C.)	None	J1	•	_	_	_	_	9	_	_	_	•	77
Solenoid (N.O.)	None	J2	_	•	_	_	9.	-	_	_	_	•	100
_	— Nil Without valve module						odule				9		

• Air operated valve: Controlled by external 3 port valve.

560.013

Table (2) Valve Unit/Valve Plug Connector Assembly

_
ı

	- Lea	d wire lengt					
	Nil	0.3 m (Standard					
	6	0.6 m					
'	10	1 m					
١	15	1.5 m					
ı	20	2 m					
	25	2.5 m					
	30	3 m					

How to order

If ordering vacuum module with 600 mm or the longer lead wire, specify both vacuum module and connector assembly part numbers.

Ordering example)

ZX1051-K15LOZ-EC(-Q) ··· 1 pc. *VJ10-20-4A-6 ······· 2 pcs.

Table (3) Vacuum Switch/ **Lead Wire with Connector**

For ZSE2 **ZS-10-5A** For ZSE3 **ZS-20-5A**

Note) If ordering a vacuum switch with 3 m lead wire, specify both the vacuum unit switch and the 3 m lead wire with

connector part numbers. Ordering example) ZX1051-K15LO- ECN(-Q) ··· 1 pc.

*VJ10-20-4A-6 ----- 2 pcs. *ZS-10-5A-50 ---- 1 pc. The asterisk (∗) denotes the symbol for assembly.

Nil	0.6 m
30	3 m
50	5 m

Lead wire length

ZA

ZX

ZR

ZM

ZMA

ZQ

ZH

ZU

ZL

 $ZY \square$

ZF□

ZP□

SP

ZCUK

AMJ

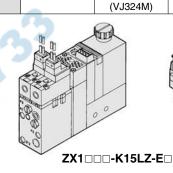
AMV

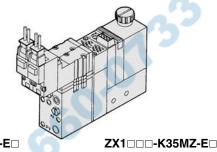
AEP

HEP Related Equipment

Ejector System/Recommended Model (The models below will have shorter deliveries.)

Nozzle		Ejector	Combination		Solenoid valve	Lead wire	Light/Surge	Vacuum switch	\/t-l-
diameter (mm)	Model	unit exhaust type	Supply valve (Pilot valve)	Release valve (Direct operated)		electrical entry	voltage suppressor	unit	Vacuum switch electrical entry
0.5	ZX1051-K15LZ-EC	With silencer	N.C. (VJ114)	N.C. (VJ114)	24 VDC	Plug connector type	With light/surge voltage supressor	General vacuum switch (ZSE2)	Connector type
0.5	ZX1051-K35MZ-EC		N.O. (VJ324M)	N.C. (VJ314)					
0.7	ZX1071-K15LZ-EC		N.C. (VJ114)	N.C. (VJ114)					
1.0	ZX1071-K35MZ-EC		N.O. (VJ324M)	N.C. (VJ314)					
	ZX1101-K15LZ-EC	N.C. (VJ114)	N.C. (VJ114)						
	ZX1101-K35MZ-EC		N.O. (VJ324M)	N.C. (VJ314)					







External release: Directly released by external 2 port valve.