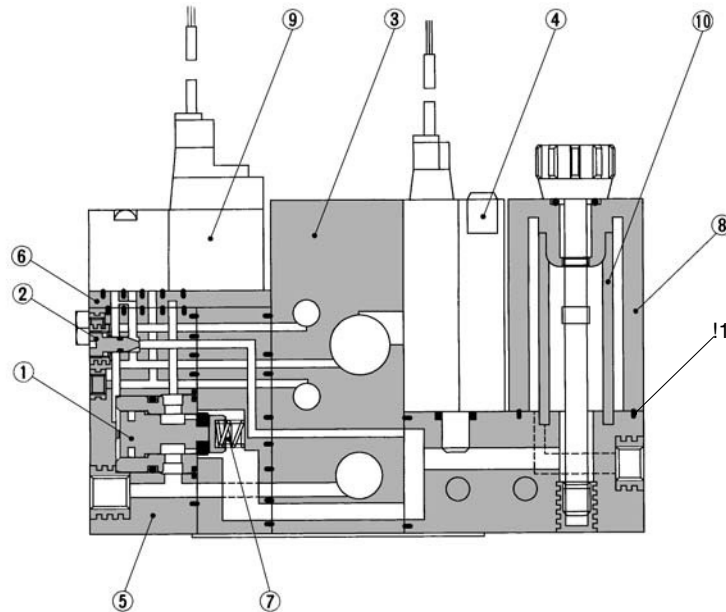


Vacuum Pump System/Construction



Component Parts

No.	Description	Material	Note
1	Poppet valve assembly	—	ZX1-PV-0
2	Release flow rate adjusting needle	Stainless steel	
3	Manifold base	Aluminum	
4	Vacuum switch	—	ZSE2, ZSP1, ZSE3
5	Valve unit	—	ZX1-VB□□□□□□-D-□
6	Interface plate	—	(PV)/(PS↔PD)
7	Return spring	Stainless steel	
8 ^{Note)}	Filter case	Polycarbonate	

Replacement Parts

No.	Description	Material	Part no.
9	Pilot valve	—	Refer to "Table (2)", "(3)".
10	Filter element	PVF	ZX1-FE
11	Gasket	—	ZX1-FG

Note) Caution when handling filter case
 1. The case is made of polycarbonate. Therefore, do not use it with or expose it to the following chemicals: paint thinner, carbon tetrachloride, chloroform, acetic ester, aniline, cyclohexane, trichloroethylene, sulfuric acid, lactic acid, watersoluble cutting oil (alkalinic), etc.
 2. Do not expose it to direct sunlight.

Table (1) How to Order Pilot Valves

No.	Component equipment		Model	Combination of supply and release valve
	Supply valve	Release valve		
1	Solenoid valve N.C. (VJ114)	Solenoid valve N.C. (VJ114)	ZX1-VJ114-□□□□	K1, J1
2	Solenoid valve N.O. (VJ324)	Solenoid valve N.C. (VJ314)	ZX1-VJ3 ¹ / ₂ 4□-□□□□	K3, J2
3	Air operated N.O. (VJA324)	Air operated N.C. (VJA314)	ZX1-VJA3 ¹ / ₂ 4	K6
4	Solenoid valve Air operated	Air operated Solenoid valve	No. 2 and 3 models only are applicable. Indicate each part number.	

Table (2) How to Order Solenoid Valves

ZX1-VJ114 □ - **5** **L** **Z** □

ZX1-VJ3¹/₂4 □ □ - **5** **L** **Z** □

Type of actuation
 1 N.C. (Normally closed)
 2 N.O. (Normally open)

Manual override
 Nil Non-locking push type
 B Locking slotted type

Body option
 Nil Pilot valve Individual exhaust
 M Common exhaust for main and pilot valves

Rated voltage
 1* 100 VAC
 3* 110 VAC
 5 24 VDC
 6 12 VDC
 V 6 VDC
 S 5 VDC
 R 3 VDC

Electrical entry
 L Connector (0.3 m)
 LN Connector (W/o lead wire)
 LO Without connector
 M Connector (0.3 m)
 MN Connector (W/o lead wire)
 MO Without connector
 G Grommet (0.3 m)
 H Grommet (0.6 m)

Pilot valve
 Nil DC: 1 W (With indicator light: 1.05 W)
 AC
 Y* DC: 0.45 W (With indicator light: 0.5 W)

Note) In the case of N.C. type, indicate no symbol. (Individual exhaust for Pilot valve)
 Note) Compatible with ZX1-VJ324M-□ and ZX1-VJ314-□ only.
 *Applicable to plug connector
 Note) In the case of ZX1-VJ114, M, MN and MO cannot be used.

Table (3) How to Order Air Operated Valves

ZX1A-M3

Port size

M3	M3 x 0.5	Pilot port/External release port
M5	M5 x 0.8	

Caution

Turning the vacuum release flow volume adjusting needle clockwise reduces the vacuum release flow volume; the needle valve is fully closed when the needle stops turning. Turning the needle 2 full turns counterclockwise from the fully closed position renders the needle valve fully open. The needle will fall out if it is turned more than 4 full turns. In order to prevent the needle from loosening and falling out, a special product is also available.

- ZA
- ZX
- ZR
- ZM
- ZMA
- ZQ
- ZH
- ZU
- ZL
- ZY□
- ZF□
- ZP□
- SP
- ZCUK
- AMJ
- AMV
- AEP
- HEP
- Related Equipment