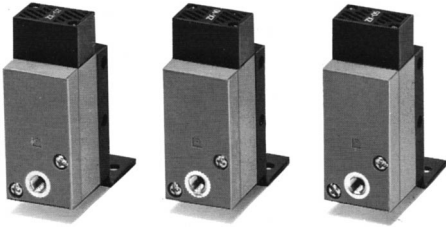


Ejector Unit



Specifications

Unit No.	ZX1-W05 $\frac{1}{2}$	ZX1-W07 $\frac{1}{2}$	ZX1-W10 $\frac{1}{2}$
Nozzle dia. ϕ (mm)	0.5	0.7	1.0
Max. suction flow (l/min(ANR))	5	10	22
Air consumption (l/min(ANR))	13	23	46
Max. vacuum pressure	-84kPa		
Max. operating pressure	0.7MPa		
Supply pressure range	0.2MPa to 0.55MPa		
Standard supply pressure	0.45MPa		
Operating temperature range	5 to 50 °C		
Ejector exhaust style*	Code ①	Built-in silencer.....For single and manifold	
	Code ②	Individual exhaust.....For single and manifold	
Weight	Built-in silencer: 35g/Individual exhaust: 45g		
Standard accessory	Bracket B		

*Codes ① and ② are corresponding to the suffixes in "How to Order" to indicate the exhaust method.

How to Order

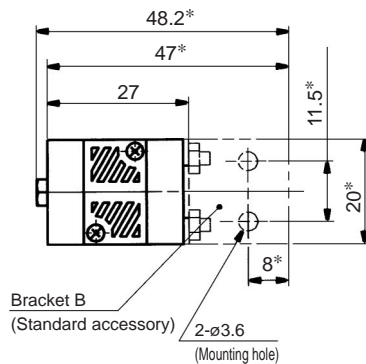
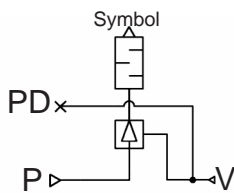
ZX1 — W 05 1 □

• Nozzle size
 05 — 0.5mm
 07 — 0.7mm
 10 — 1.0mm

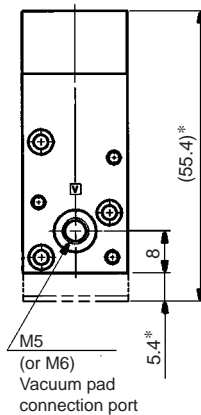
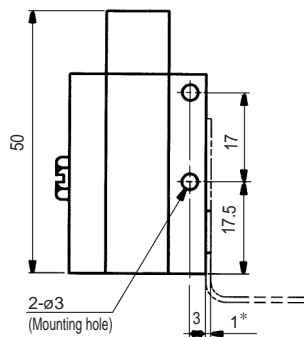
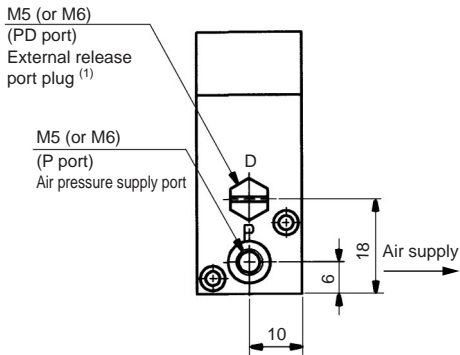
• PV/V port size
 — M5 X 0.8
 Y — M6 X 1 (Option)

• Ejector exhaust
 1 — Built-in silencer
 2 — Individual exhaust Rc(PT)1/8

Dimensions/ZX1-W□□ $\frac{1}{2}$



Bracket B
(Standard accessory)



Note1) Remove the plug at external release.

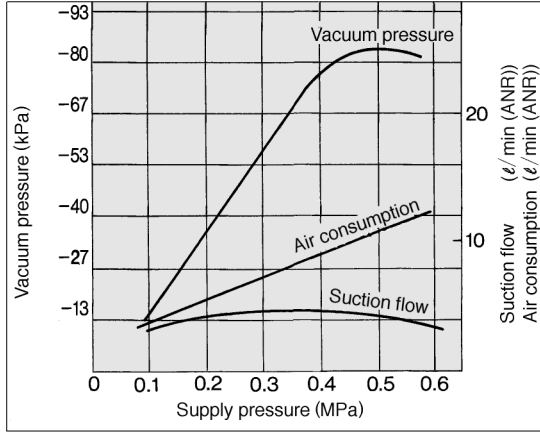
Note2) Dimensions *: For mounting bracket B.

Flow Characteristics/Exhaust Characteristics

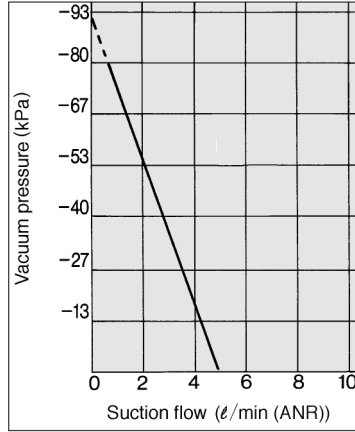
[At 0.45Mpa]

ZX1-W05

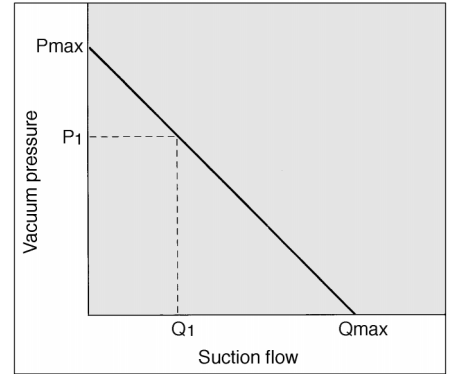
Exhaust



Flow



How to Read Graphs



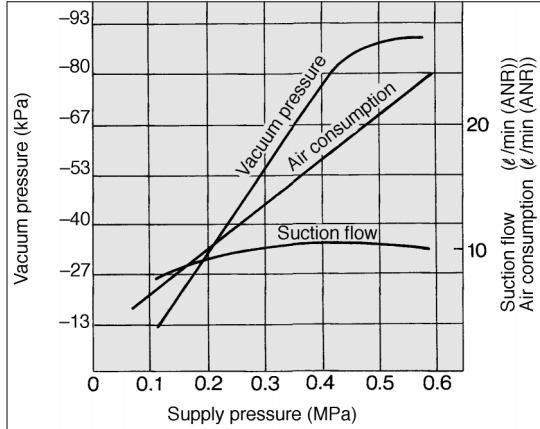
Flow characteristics are expressed in ejector vacuum pressure and suction flow. If suction flow rate changes a change in vacuum pressure will also be expressed. Normally this relationship is expressed in ejector standard use. In graph, Pmax is max. vacuum pressure and Qmax is max. suction flow. The valves are specified according to catalog use. Changes in vacuum pressure are expressed in the below order.

- ① When ejector suction port is covered and made airtight, suction flow becomes 0 and vacuum pressure is at maximum value (Pmax).
- ② When suction port is opened gradually, air can flow through, (air leakage), suction flow increases, but vacuum pressure decreases. (condition P1 and Q1)
- ③ When suction port is opened further, suction flow moves to maximum value (Qmax), but vacuum pressure is near 0. (atmospheric pressure).

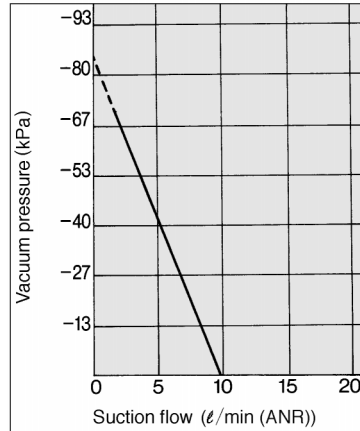
When vacuum port (vacuum piping) has no leakage, vacuum pressure becomes maximum, and vacuum pressure decreases as leakage increases. When leakage value is the same as max. suction flow, vacuum pressure is near 0. In the case when ventirative or leaky work should be adsorbed, please note that vacuum pressure will not be high.

ZX1-W07

Exhaust



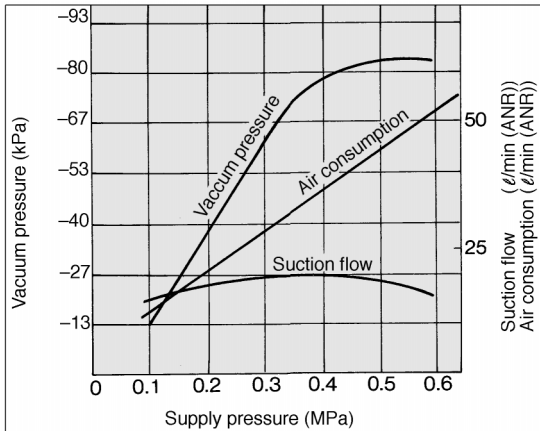
Flow



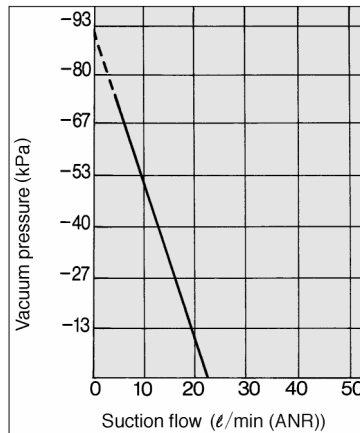
() : mmHG.

ZX1-W10

Exhaust



Flow



() : mmHG.

⚠ Precautions

Be sure to read before handling. Refer to p.0-20 and 0-21 for Safety Instructions and common precautions on the products mentioned in this catalog.

⚠ Caution

Refer to "Data" on Best Pneumatics 3 for the product selection in series ZX and the sizing program.

ZX

ZR

ZM

ZH

ZU

ZL

ZF

ZP

ZCU

Vacuum related