

# ZR Series

## Ejector System/Manifold Specifications



### Specifications

Max. number of units	Max. 6 stations
Port	Port size
Common air pressure supply (PV) port	1/8 (Rc, NPTF, G)
Common pilot pressure supply (PS) port	M5
Common release pressure supply (PD) port	M5
Common exhaust (EXH.) port	1/2 (Rc, NPTF, G)
Weight (Manifold bases only)	Basic mass for one station is 0.28 kg. Additional mass per one station is 0.12 kg.

- (1) When using 3 or more stations with ZR120□□ manifold, utilize PV port as supply port on both sides.  
 (2) When using 3 or more stations with ZR120□ 3 manifold, utilize EXH port as exhaust port on both sides.

### Manifold Air Supply

Supply port location	Left			Right		
	PV	PS	PD	PV	PS	PD
L (Left side)	○	○	○	●	●	●
R (Right side)	●	●	●	○	○	○
B (Both sides)	○	○	○	○	○	○

Air supply to ○ port  
 BLANK plug attached to ● port  
 Note) BLANK plug is attached on all ports of valve unit.

### Individual Spacer

Part no.	Port	Function
ZR1-R1 to R16	PV	Possible to set the air supply pressure individually
	PS	Possible to set the pilot valve air supply pressure individually
	PD	Possible to set the release valve supply pressure individually
	PE	Possible to set the pilot valve exhaust individually

Individual spacer is used when the connecting port of each unit is not common for the manifold connecting port. Mixed specifications of common and individual unit connecting ports for each unit is possible on manifolds with this individual spacer.

## How to Order Manifold

### <Manifold base>

ZZR1 06 - R

Stations	Port location
01 1	R Right side
⋮ ⋮	L Left side
06 6	B Both sides
Thread type	
Nil Rc	
F G (Note)	
T NPTF	

\* Viewed from the front side of valve unit, confirm the port location on the right and/or left side.

Note) The thread ridge shape is compatible with the G thread standard (JIS B 0202), but other shapes are not conforming to ISO16030 and ISO1179.

- Example 1)  
 ZZR106-R ..... 1 pc. (Manifold base only)  
 \* ZR120S1-K15MZ-EC ... 5 pcs. (Unit)  
 \* ZR1-BM1 ..... 1 pc. (Blank plate)  
 \* ZR1-R1-3 ..... 1 pc. (Individual spacer)

• With reference from valve side, the third station from right side

### <Function plate>

ZR1 - RV 1 - 1

Symbol	Symbol	PV port	PS port	PD port
1	PV↔PS↔PD	Common		
2	PV↔PS·PD	Common	Individual	

Arrangement  
 (Right valve station which is looked from valve side is first station.)

1	1 station only
⋮	⋮
6	6 stations only
A	All stations

\* When the spacers are attached to the specified locations, specify all spacers.

Example 2) Attached to the first and third stations  
 \*ZR1-RV1-1  
 \*ZR1-RV1-3

Example 3) Attached to all stations.  
 \*ZR1-RV1-A...3

↑ Fill the number

### <Individual spacer>

ZR1 - R1 - 1

R16

Refer to "About individual spacer."

Arrangement  
 (Right valve station which is looked from valve side is first station.)

1	1 station only
⋮	⋮
6	6 stations only
A	All stations

\* When the spacers are attached to the specified locations, specify all spacers.  
 \* When shipping only spacers, specify nothing.

Example 4) Attached to the first and third stations  
 \*ZR1-R1-1  
 \*ZR1-R1-3

### ⚠ Caution when ordering manifold

- The asterisk denotes the symbol for assembly. Prefix it to the ejector part numbers to be mounted.  
 When it is not added, the manifold base and ejector are shipped separately.

### About individual spacers

- In the right table, ports with the symbol ↑ mean that they are manifold supply, while others are individual supply from the valve unit.
- Symbols in the right table are printed on the surface of individual spacers.

Part no.	Symbol	Part no.	Symbol
ZR1-R1	R1	ZR1-R9	R9 ↑PV
-R2	R2 ↓PE	-R10	R10 ↑PV ↓PE
-R3	R3 ↑PD	-R11	R11 ↑PV ↑PD
-R4	R4 ↓PD ↓PE	-R12	R12 ↑PV ↑PD ↓PE
-R5	R5 ↑PS	-R13	R13 ↑PV ↑PS
-R6	R6 ↑PS ↓PE	-R14	R14 ↑PV ↑PS ↓PE
-R7	R7 ↑PS ↑PD	-R15	R15 ↑PV ↑PS ↑PD
-R8	R8 ↑PS ↓PD ↓PE	-R16	R16 ↓PV ↑PS ↓PD ↓PE

### <Blanking plate>

ZR1 - BM1

Refer to Example 1).