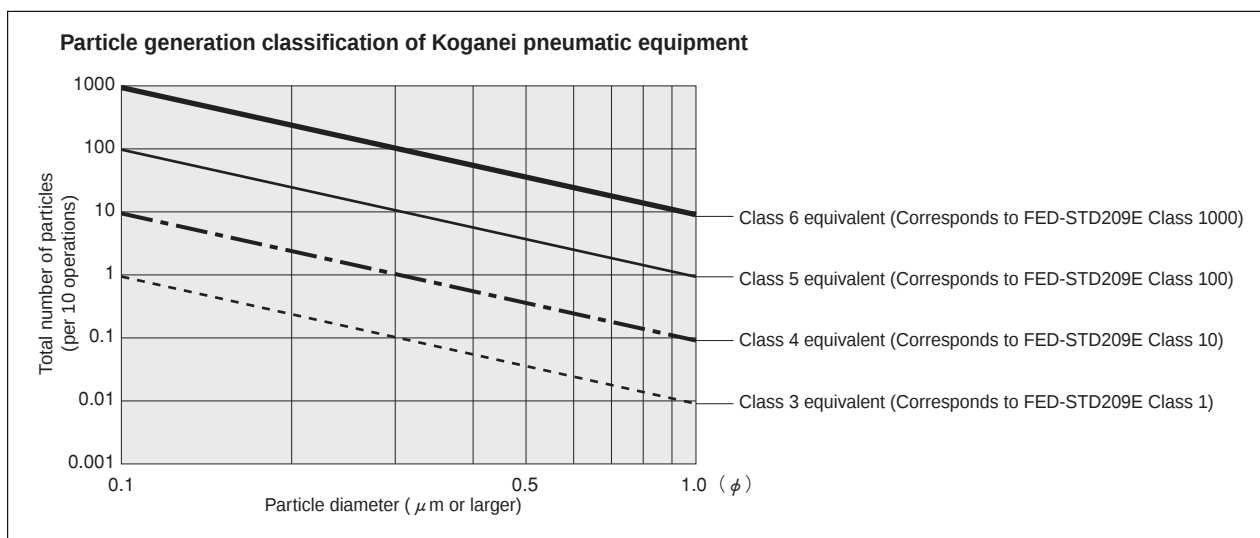


## Koganei Clean System products provide complete support for the maintenance of a clean environment inside the cleanroom.

Koganei Clean System products meet the needs of the ultra-clean production environment. In everything from actuators and valves to air preparation and auxiliary equipment, anti-corrosion materials processing and other Koganei-developed design concepts serve to prevent particle contamination within the cleanroom. These perfectly designed mechanisms, which resolve even the slightest leaks to the outside during operations, have already won a high level of reliability.

### Koganei Cleanliness

There is currently no standard in JIS or elsewhere for methods of evaluating cleanliness for pneumatic equipment in the cleanroom specifications. Therefore, to measure the effects of cleanroom contamination by pneumatic equipment, Koganei has decided to use "number of particles generated per 10 operations," rather than particle density. Koganei has also developed classifications for application classes in cleanroom, based on JIS and other upper limit density tables, and on the company's own experience.



- Remarks:
1. In the above table, product performance in terms of the number of particles generated per 10 operations is expressed as the upper limit of particles corresponding to the equivalent JIS or ISO class.
  2. In the above table, values in the JIS, ISO, and FED-STD upper limit density tables are calculated as upper density per liter.
  3. The classes shown are clean levels as classified in JIS and ISO.

From the above definitions, the Koganei clean level classes can be viewed as the level of average contamination per liter of surrounding air over a period of 10 operations in cleanroom. Air ventilation in cleanrooms is usually faster than 1 cycle per minute, and clean volumetric capacity is usually larger than 1 liter, which should provide a sufficient safety margin in practice.

**Caution:** The above conclusions are based on an ideal situation in which air ventilation is being implemented. For specific cases where air ventilation is not ensured, caution is needed since the clean classes cannot be maintained.

The clean system diagrams shown here are for Class 5 equivalent products.  
For Class 4 or Class 3 equivalent products, consult us.

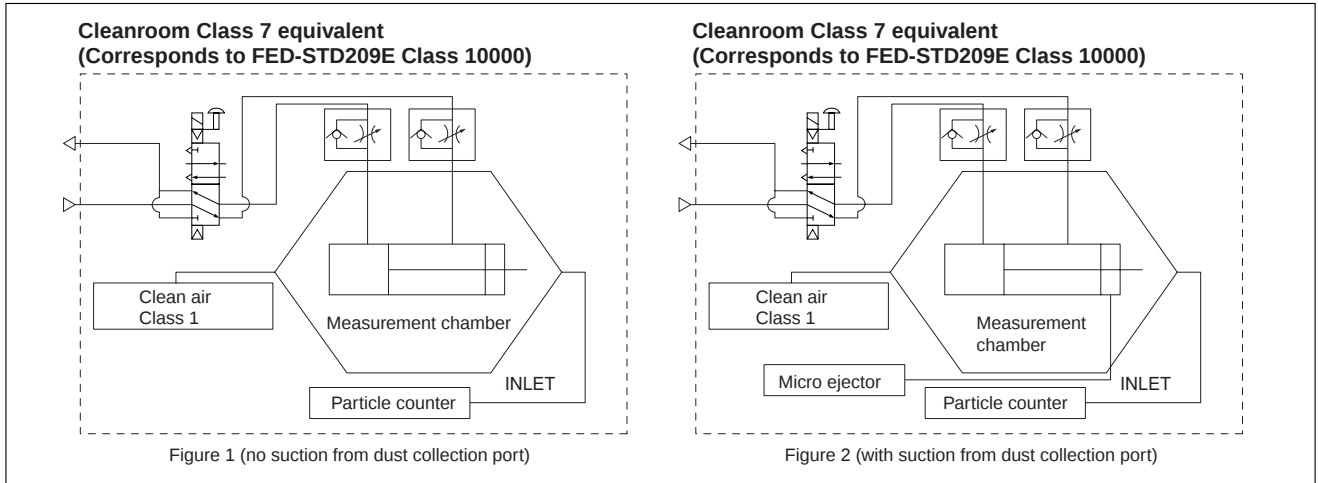
## Evaluations of Cleanliness

Koganei has therefore specified its in-house measurement methods, to conduct evaluations on the cleanroom rating.

The number of particles of the Air Cylinder Cleanroom Specification is measured as shown in the method below.

### 1. Measurement conditions

1-1 Test circuit: Figure 1 (no suction), Figure 2 (with suction)



1-2 Operating conditions of tested cylinder

Operating frequency: 1Hz

Average speed: 500mm/s [20in./sec.]

Applied pressure: 0.5MPa [73psi.]

Suction condition: Microejector ME05, Primary side: 0.5MPa [73psi.] applied, Tube:  $\phi 6$  [0.236in.]

Mounting direction: Vertical

Chamber volume: 8.3  $\ell$  [0.293ft.<sup>3</sup>]

### 2. Particle counter

Manufacturer/model: RION/KM20

Suction flow rate: 28.3  $\ell$  /min [1ft.<sup>3</sup>/min.]

Particle diameter: 0.1  $\mu\text{m}$ , 0.2  $\mu\text{m}$ , 0.3  $\mu\text{m}$ , 0.5  $\mu\text{m}$ , 0.7  $\mu\text{m}$ , 1.0  $\mu\text{m}$

### 3. Measurement method

3-1 Confirmation of number of particles in the measurement system

Under the conditions in the above 1 and 2, using a particle counter to measure the sample for 9 minutes without operating the measurement sample, and confirmed the measured number of particle is 1 piece or less.

3-2 Measurement under operation

Under the conditions in the above 1 and 2, operating the measurement sample for 36 minutes, and measured the total values in the latter half of 18 minutes test.

3-3 Reconfirmation

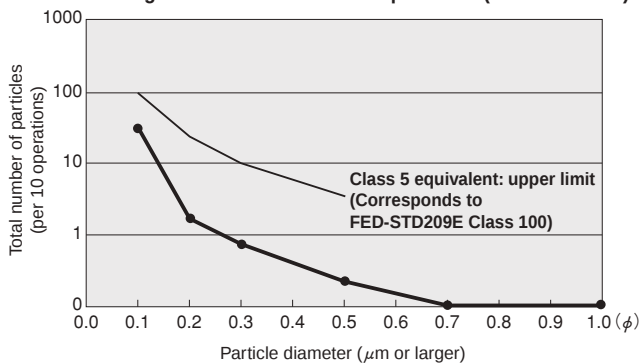
Performed the measurement in 3-1 again, to reconfirm the number of particles in the measurement system.

### 4. Measurement results

#### ● Cleanroom specification

Jig Cylinder (no suction from dust collection port)

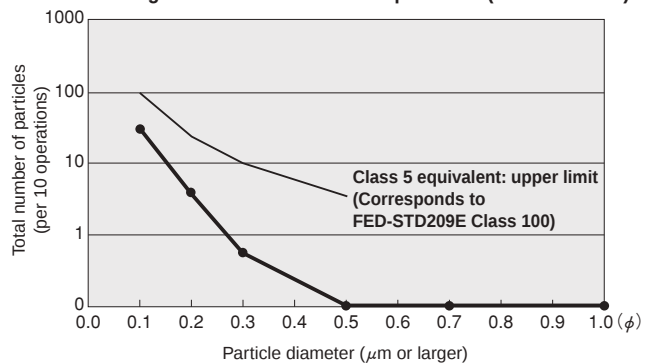
Particle generation over 1 million operations (CS-CDA16 $\times$ 30)



#### ● Cleanroom specification

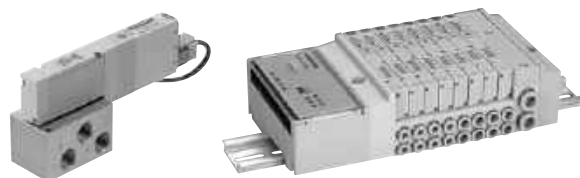
Slim Cylinder (with suction from dust collection port)

Particle generation over 1 million operations (CS-DA20 $\times$ 100)

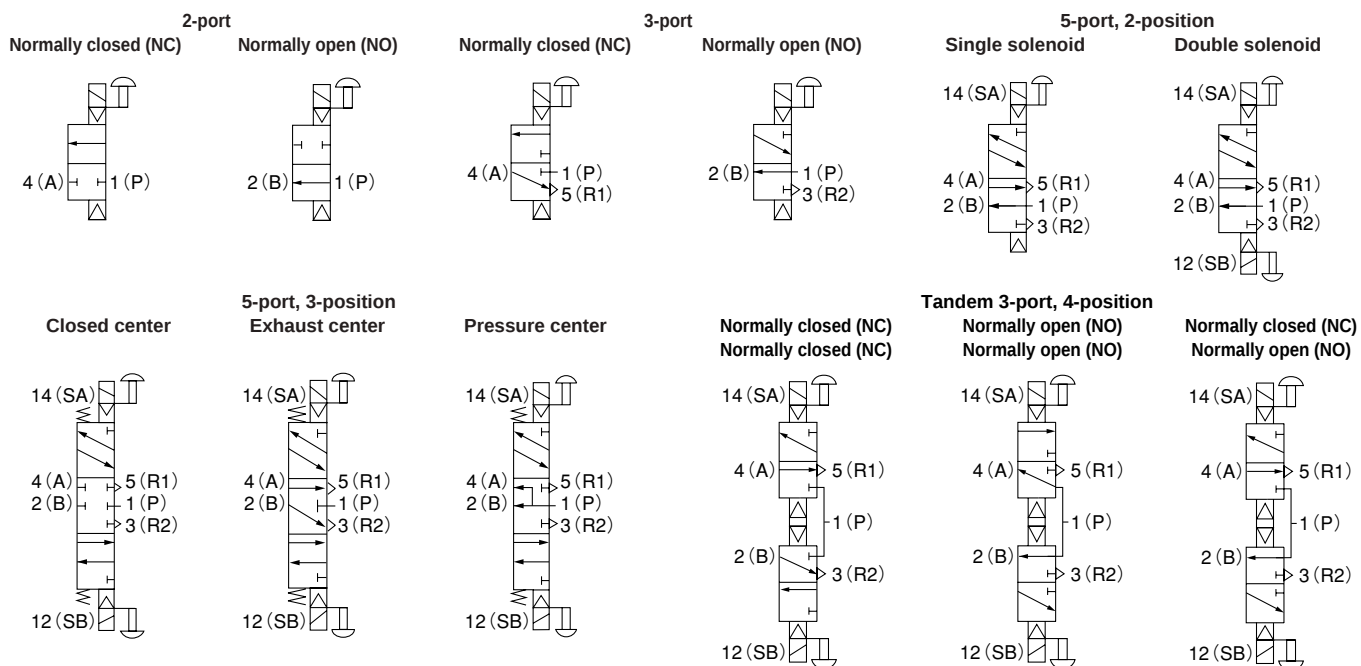


For “safety precautions” listed in the Clean System Product Drawings, see the materials below.

- For actuators, see “Safety Precautions” on p. 45 of the Actuators General Catalog .
- For valves, see “Safety Precautions” on p. 31 of the Valves General Catalog.
- For air treatment and auxiliary equipment, see “Safety Precautions” on p.31 of the General Catalog of Air Treatment, Auxiliary, Vacuum.



### Symbols



### Specifications

#### Basic Models and Functions

| Item                | Basic model | CS-JA10□A1<br>CS-JA10□A2<br>CS-JA10□A3<br>CS-JA10□A4 | CS-JA10□A5      | CS-JA10□A6      | CS-JA10□A7<br>CS-JA10□A8<br>CS-JA10□A9         | CS-JA10□AA<br>CS-JA10□AB<br>CS-JA10□AC |
|---------------------|-------------|------------------------------------------------------|-----------------|-----------------|------------------------------------------------|----------------------------------------|
| Number of positions |             | 2 positions                                          |                 |                 | 3 positions                                    | 4 positions                            |
| Number of ports     |             | 2, 3 ports                                           | 5 ports         |                 |                                                | Tandem 3 ports                         |
| Valve function      |             | Single solenoid NC, NO                               | Single solenoid | Double solenoid | Closed center, Exhaust center, Pressure center | NC/NC, NO/NO, NC/NO                    |

Remark: For the optional specifications and order codes, see p.185.

### Port Size

| Piping specification | Port | 2 (B), 4 (A)       | 1 (P)       | 3, 5 (R)               |
|----------------------|------|--------------------|-------------|------------------------|
| With sub-base        |      | Rc1/8              | Rc1/8       | Rc1/8                  |
| Monoblock manifold   |      | φ 4 or φ 6 fitting | Rc1/8       | Rc1/8                  |
| Split manifold       |      | φ 4 or φ 6 fitting | φ 8 fitting | φ 8 fitting or muffler |

## Specifications

| Item                                                       | Basic model          | CS-JA10□A1<br>CS-JA10□A2<br>CS-JA10□A3<br>CS-JA10□A4 | CS-JA10□A5 | CS-JA10□A6       | CS-JA10□A7<br>CS-JA10□A8<br>CS-JA10□A9 | CS-JA10□AA<br>CS-JA10□AB<br>CS-JA10□AC |
|------------------------------------------------------------|----------------------|------------------------------------------------------|------------|------------------|----------------------------------------|----------------------------------------|
|                                                            |                      | Air                                                  |            |                  |                                        |                                        |
| Media                                                      |                      | Internal pilot type                                  |            |                  |                                        |                                        |
| Operation type                                             |                      | Internal pilot type                                  |            |                  |                                        |                                        |
| Effective area [Cv]                                        | mm <sup>2</sup>      | 3.5 [0.19]                                           |            |                  | 3.4 [0.19]                             | 3.5 [0.19]                             |
| Port size <sup>Note1</sup>                                 |                      | ϕ 4 fitting, ϕ 6 fitting, Rc1/8                      |            |                  |                                        |                                        |
| Lubrication                                                |                      | Not required                                         |            |                  |                                        |                                        |
| Operating pressure range                                   | MPa [psi.]           | 0.2~0.7 [29~102]                                     |            |                  |                                        |                                        |
| Proof pressure                                             | MPa [psi.]           | 1.05 [152]                                           |            |                  |                                        |                                        |
| Response time (ON/OFF) <sup>Note 2</sup>                   | ms                   | 15/15 (15/20) or below                               |            | 15 (20) or below | 15/25 (15/35) or below                 | 15/20 (15/30) or below                 |
| Maximum operating frequency                                | Hz                   | 5                                                    |            |                  |                                        |                                        |
| Minimum time to energize for self holding <sup>Note3</sup> | ms                   | —                                                    |            | 50               | —                                      |                                        |
| Operating temperature range (atmosphere and media)         | °C [°F]              | 5~50 [41~122]                                        |            |                  |                                        |                                        |
| Shock resistance                                           | m/s <sup>2</sup> {G} | 245 {25}                                             |            |                  |                                        |                                        |
| Mounting direction                                         |                      | Any                                                  |            |                  |                                        |                                        |

Notes: 1. For details, see the port size on p.181.

2. Values when air pressure is 0.5MPa [73psi.]. Values in parentheses ( ) are for the low-current specification. In addition, the values for the 3-position valves are switching time from neutral position.

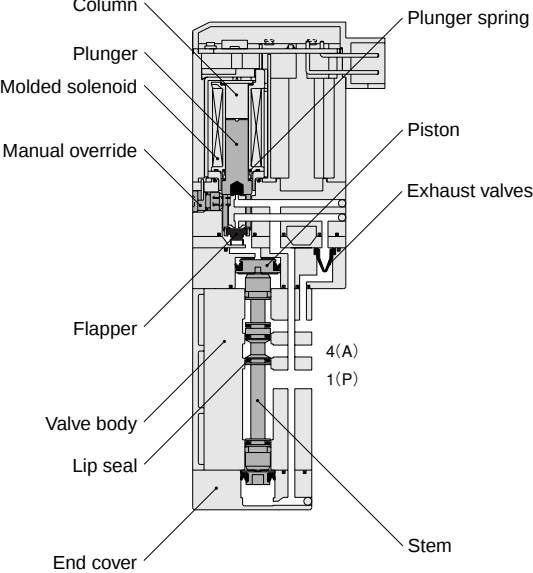
3. For double solenoid valve.

## Solenoid Specifications

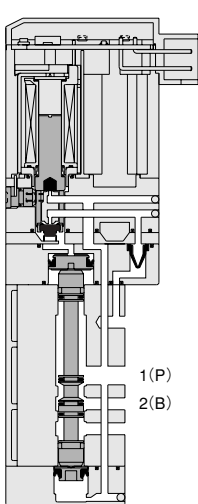
| Item                            | Rated voltage                                     |             | DC24V (Standard specification)    | DC24V (Low current specification) |
|---------------------------------|---------------------------------------------------|-------------|-----------------------------------|-----------------------------------|
|                                 |                                                   |             |                                   |                                   |
| Operating voltage range         | V                                                 |             | 21.6~26.4<br>(24±10%)             | 21.6~26.4<br>(24±10%)             |
| Standard                        | Current (when rated voltage is applied) mA(r.m.s) |             | 21                                | —                                 |
|                                 | Power consumption W                               |             | 0.5                               | —                                 |
| Low current specification       | Current (when rated voltage is applied)           | Starting mA | —                                 | 21                                |
|                                 |                                                   | Holding mA  | —                                 | 10.5                              |
|                                 | Power consumption                                 | Starting W  | —                                 | 0.5                               |
|                                 |                                                   | Holding W   | —                                 | 0.25                              |
|                                 | Start-up time (standard time) ms                  |             | —                                 | 50                                |
| Allowable leakage current       | mA                                                |             | 1.0                               |                                   |
| Insulation resistance           | MΩ                                                |             | Over 100 (value at DC500V megger) |                                   |
| Color of LED indicator          |                                                   |             | 14 (SA) : Red, 12(SB) : Green     |                                   |
| Surge suppression (as standard) |                                                   |             | Surge absorption transistor       | Flywheel diode                    |

2-port

CS-JA10A1  
De-energized



CS-JA10A2  
De-energized

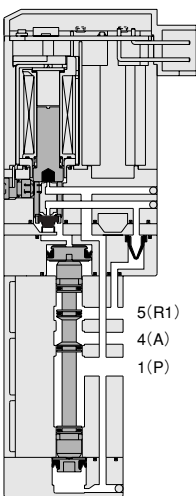


Major Parts and Materials

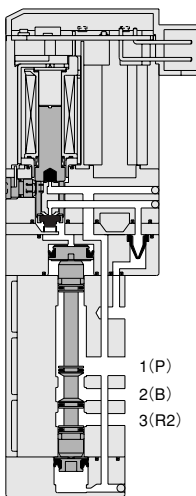
| Parts    |                 | Materials                           |
|----------|-----------------|-------------------------------------|
| Valve    | Body            | Aluminum alloy (anodized)           |
|          | Stem            | Aluminum alloy                      |
|          | Exhaust valve   | Synthetic rubber                    |
|          | Lip seal        |                                     |
|          | Flapper         |                                     |
|          | Sub-base        | Aluminum alloy (anodized)           |
|          | Plunger         | Magnetic stainless steel            |
|          | Column          |                                     |
|          | End cover       | Plastic                             |
| Manifold | Body            | Monoblock Aluminum alloy (anodized) |
|          | Body            | Split type Plastic                  |
|          | Block-off plate | Mild steel (nickel plated)          |
|          | Seal            | Synthetic rubber                    |

3-port

CS-JA10A3  
De-energized

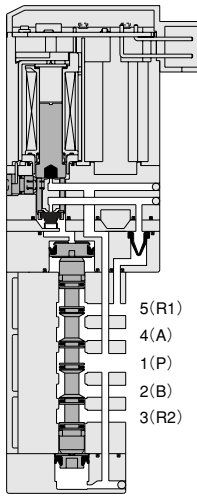


CS-JA10A4  
De-energized

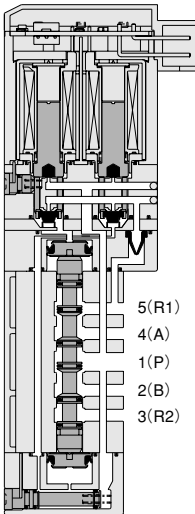


5-port, 2-position

CS-JA10A5  
De-energized



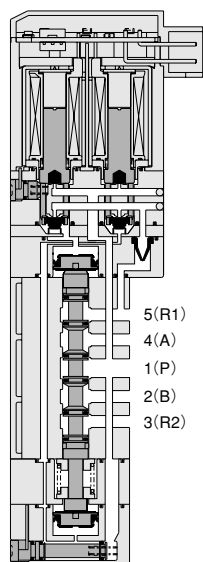
CS-JA10A6  
(De-energized condition after energizing solenoid 12(SB))



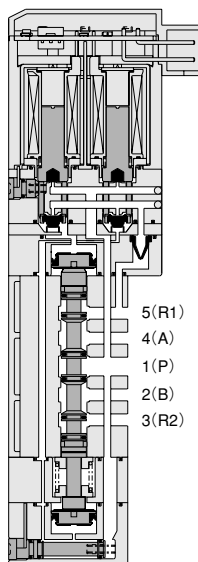
## 5-port, 3-position

[Both 14 (SA) and 12 (SB) are de-energized]

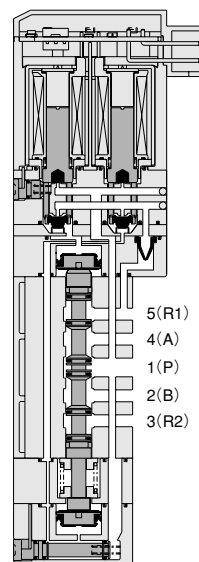
CS-JA10A7



CS-JA10A8



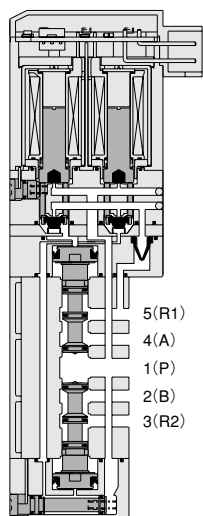
CS-JA10A9



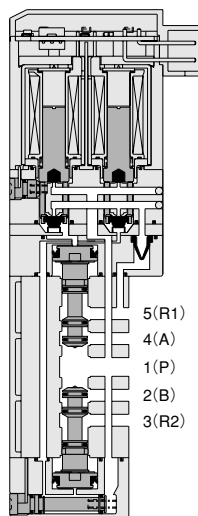
## Tandem 3-port, 4-position

[Both 14 (SA) and 12 (SB) are de-energized]

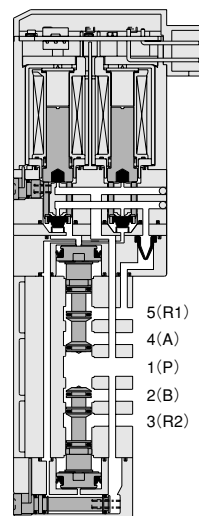
CS-JA10AA



CS-JA10AB



CS-JA10AC



# Single Valve Unit Order Codes



## Model

**CS-JA10**

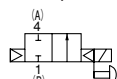
Standard type

**CS-JA10L**

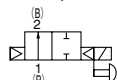
Low current type

## Valve specification

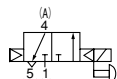
**A1:** 2-port normally closed



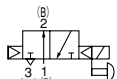
**A2:** 2-port normally open



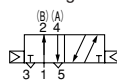
**A3:** 3-port normally closed



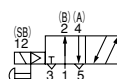
**A4:** 3-port normally open



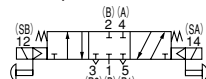
**A5:** 5-port 2-position, single solenoid



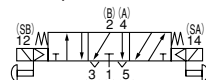
**A6:** 5-port 2-position, double solenoid



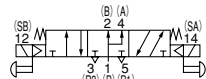
**A7:** 3-position, closed center



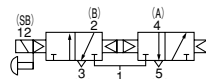
**A8:** 3-position, exhaust center



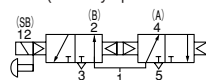
**A9:** 3-position, pressure center



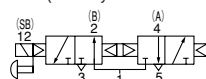
**AA:** Tandem 3-port (normally closed & normally closed)



**AB:** Tandem 3-port (normally open & normally open)

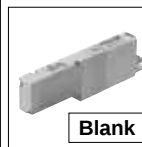


**AC:** Tandem 3-port (normally closed & normally open)



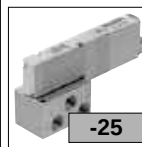
## Sub-base

Without sub-base<sup>Note1</sup>



Blank

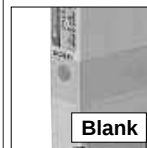
With sub-base<sup>Note2</sup>



-25

## Manual override

Non-locking type



Blank

Locking protruding type



-83

## Wiring specification

Plug-in



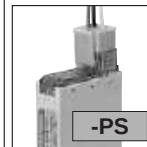
Blank

S type plug connector  
Without connector and leads



-PN

Positive common  
S type plug connector  
Lead wire 300mm [11.8in.]



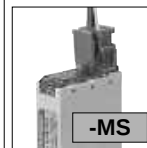
-PS

Positive common  
S type plug connector  
Lead wire 3000mm [118in.]



-PS3

Negative common  
S type plug connector  
Lead wire 300mm [11.8in.]



-MS

Negative common  
S type plug connector  
Lead wire 3000mm [118in.]



-MS3

## Voltage

**-D4**

DC24V

| Model               | Valve specification                                                  | Sub-base                      | Manual override | Wiring specification                                        | Voltage |
|---------------------|----------------------------------------------------------------------|-------------------------------|-----------------|-------------------------------------------------------------|---------|
| CS-JA10<br>CS-JA10L | A1<br>A2<br>A3<br>A4<br>A5<br>A6<br>A7<br>A8<br>A9<br>AA<br>AB<br>AC | Blank<br>-25 <sup>Note2</sup> | Blank<br>-83    | Blank <sup>Note2</sup><br>-PN<br>-PS<br>-PS3<br>-MS<br>-MS3 | -D4     |

Notes: 1. Cannot be used as a single valve unit. Two manifold mounting screws are provided.

2. When ordering with a sub-base, the "Blank (plug-in)" cannot be selected as the wiring specification. Select from among -PN, -PS, -PS3, -MS or -MS3.

# Additional Parts Order Codes for Single Valve Unit

## Parts for single valve unit

CS - JAZ - 

**Parts content**

**25** : Sub-base (sub-base and gasket)<sup>Note 1</sup>

**GS1** : Gasket<sup>Note 2</sup>

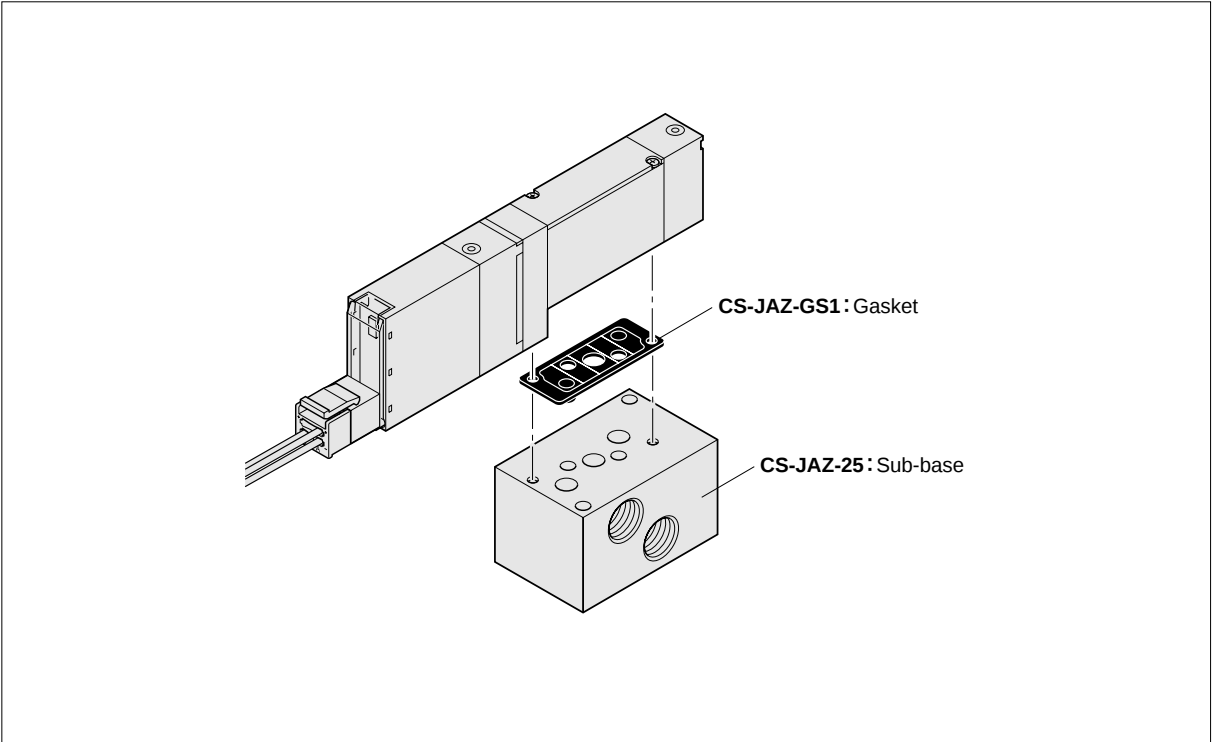
Notes: 1. Valve mounting screws are not included.  
2. Care should be taken that this gasket is different from the **GS2** gasket for the split manifolds.

## Connector-related

CS - JAZ - 

**Connector specification**

- CP** : Positive common plug connector, lead wire length 300mm [11.8in.]
- CP3** : Positive common plug connector, lead wire length 3000mm [118in.]
- CPN** : Positive common plug connector, without lead wire (short bar and contacts included)
- CM** : Negative common plug connector, lead wire length 300mm [11.8in.]
- CM3** : Negative common plug connector, lead wire length 3000mm [118in.]
- CMN** : Negative common plug connector, without lead wire (short bar and contacts included)



Monoblock Manifold Order Codes

Left side

Right side

Model

CS-JA10

Standard type

CS-JA10L

Low current type

Valve specification

A1: 2-port normally closed

A2: 2-port normally open

A3: 3-port normally closed

A4: 3-port normally open

A5: 5-port 2-position, single sol.

A6: 5-port 2-position, double sol.

A7: 3-position, closed center

A8: 3-position, exhaust center

A9: 3-position, pressure center

AA: Tandem 3-port (normally closed & normally closed)

AB: Tandem 3-port (normally open & normally open)

AC: Tandem 3-port (normally closed & normally open)

Manual override

Non-locking type

Blank

Locking protruding type

-83

Wiring specification

Positive common

S type plug connector

Without connector and leads

-PN

Negative common

S type plug connector

Lead wire 300mm [11.8in.]

-PS

Positive common

S type plug connector

Lead wire 3000mm [118in.]

-PS3

Negative common

S type plug connector

Lead wire 3000mm [118in.]

-MS

Positive common pre-wired terminal

S type plug connector

Lead wire 300mm [11.8in.]

-CPS

Negative common pre-wired terminal

S type plug connector

Lead wire 300mm [11.8in.]

-CMS

Positive common pre-wired terminal

S type plug connector

Lead wire 3000mm [118in.]

-CPS3

Negative common pre-wired terminal

S type plug connector

Lead wire 3000mm [118in.]

-CMS3

Manifold fitting specification

With  $\phi$  4 fittings

-J4K

With  $\phi$  6 fittings

-J6K

Individual air supply spacer

Without spacer

Blank

With individual air supply spacer

-NPM

Back pressure prevention valve

Blank

Without back pressure prevention valve

-E1

With back pressure prevention valve

Voltage

-D4

DC24V

Model

Number of units

Station

Model

Valve specification

Manual override

Wiring specification

Manifold fitting specification

Back pressure prevention valve

Individual air supply spacer

Voltage

Manifold model

Mounting valve model

|        |              |    |                                                      |                            |    |              |                                                                     |              |              |               |     |
|--------|--------------|----|------------------------------------------------------|----------------------------|----|--------------|---------------------------------------------------------------------|--------------|--------------|---------------|-----|
| CS-JAM | 2<br>:<br>20 | AJ | stn. 1<br>:<br>stn. <input type="checkbox"/><br>Note | CS-JA10                    | A1 | Blank<br>-83 | -PN<br>-PS<br>-PS3<br>-CPS<br>-CPS3<br>-MS<br>-MS3<br>-CMS<br>-CMS3 | -J4K<br>-J6K | Blank<br>-E1 | Blank<br>-NPM | -D4 |
|        |              |    |                                                      | CS-JA10L                   | A2 |              |                                                                     |              |              |               |     |
|        |              |    |                                                      |                            | A3 |              |                                                                     |              |              |               |     |
|        |              |    |                                                      |                            | A4 |              |                                                                     |              |              |               |     |
|        |              |    |                                                      |                            | A5 |              |                                                                     |              |              |               |     |
|        |              |    |                                                      |                            | A6 |              |                                                                     |              |              |               |     |
|        |              |    |                                                      |                            | A7 |              |                                                                     |              |              |               |     |
|        |              |    |                                                      |                            | A8 |              |                                                                     |              |              |               |     |
|        |              |    |                                                      |                            | A9 |              |                                                                     |              |              |               |     |
|        |              |    |                                                      |                            | AA |              |                                                                     |              |              |               |     |
|        | AB           |    |                                                      |                            |    |              |                                                                     |              |              |               |     |
|        | AC           |    |                                                      |                            |    |              |                                                                     |              |              |               |     |
|        |              |    |                                                      | JABP (for block-off plate) |    |              |                                                                     |              |              |               |     |

Note: Valve mounting location is from the left, with the solenoid on top, and the 4(A) and 2(B) ports in front.

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## Additional Parts Order Codes for Monoblock Manifold

### Manifold parts

CS - JAZ -

#### Parts description

**GS1** : Gasket

**E1** : Back pressure prevention valve  
(2 pcs. for monoblock type)

**J4K** :  $\phi$  4 fitting (2 pcs. for monoblock type,  
and 1 pc. gasket)

**J6K** :  $\phi$  6 fitting (2 pcs. for monoblock type,  
and 1 pc. gasket)

**NPM**: Individual air supply spacer  
(Spacer body, gasket and 2 mounting screws)

### Block-off plate (block-off plate and 2 mounting screws)

CS-JABP

### Connector-related

CS - JAZ -

#### Connector specification

**CP** : Positive common plug connector, lead wire length 300mm [11.8in.]

**CP3** : Positive common plug connector, lead wire length 3000mm [118in.]

**CPN** : Positive common plug connector, without lead wire (short bar and contacts included)

**PA** : Positive common A type, plug connector lead wire length 300mm [11.8in.]\*

**PA3** : Positive common A type, plug connector lead wire length 3000mm [118in.]\*

**PB** : Positive common B type, plug connector lead wire length 300mm [11.8in.]\*

**PB3** : Positive common B type, plug connector lead wire length 3000mm [118in.]\*

**PC** : Positive common C type, plug connector lead wire length 300mm [11.8in.]\*

**PC3** : Positive common C type, plug connector lead wire length 3000mm [118in.]\*

**CM** : Negative common plug connector, lead wire length 300mm [11.8in.]

**CM3** : Negative common plug connector, lead wire length 3000mm [118in.]

**CMN**: Negative common plug connector, without lead wire (short bar and contacts included)

**MA** : Negative common A type, plug connector lead wire length 300mm [11.8in.]\*

**MA3** : Negative common A type, plug connector lead wire length 3000mm [118in.]\*

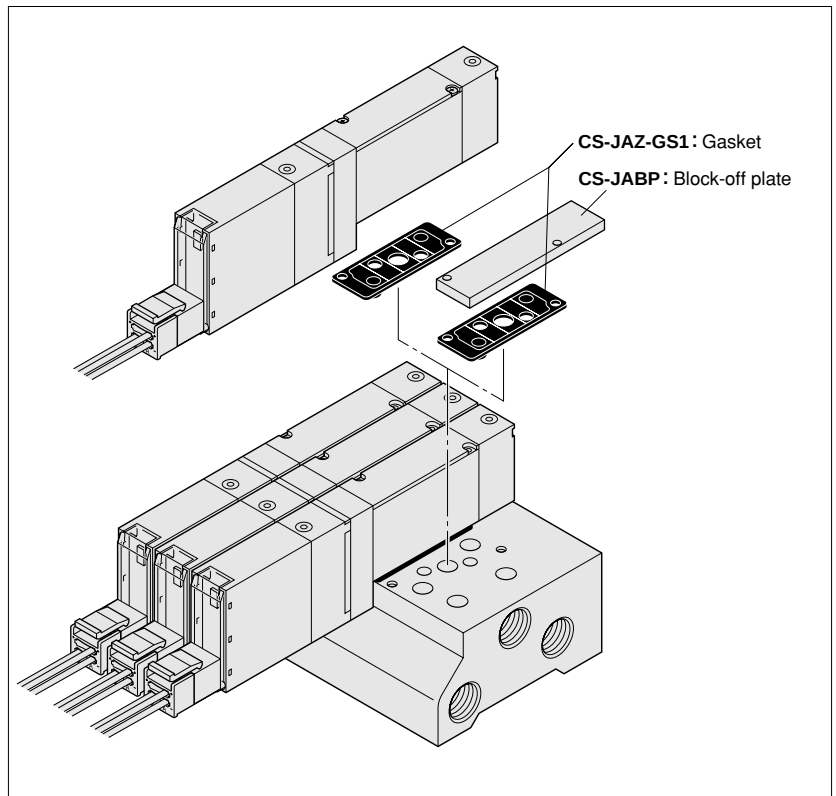
**MB** : Negative common B type, plug connector lead wire length 300mm [11.8in.]\*

**MB3** : Negative common B type, plug connector lead wire length 3000mm [118in.]\*

**MC** : Negative common C type, plug connector lead wire length 300mm [11.8in.]\*

**MC3** : Negative common C type, plug connector lead wire length 3000mm [118in.]\*

※ For details, see the Valves General Catalog.



### Manifold Order Code Example (6 units of JA series)

#### CS-JAM6AJ

stn.1~2 CS-JA10A5-PS-J4K-D4

stn.3~5 CS-JA10A6-PS-J6K-D4

stn.6 CS-JABP-J6K

Note: This order code example has no relation to the illustration above.

### Precautions for Order Codes

#### ● Order for valves only

Place orders by "Single Valve Unit Order Codes" on p.185.

For common terminal wiring connections, order separately the common connector assemblies listed above.

Split Manifold Non-Plug-in Type Order Codes



Piping block specification (air supply and exhaust)

- JR: 1(P) and 3, 5(R) ports  $\phi$  8 fitting right-side mounting
- JL: 1(P) and 3, 5(R) ports  $\phi$  8 fitting left-side mounting
- JD: 1(P) and 3, 5(R) ports  $\phi$  8 fitting both-side mounting



The photo shows the -JR type.

- MR: 1(P) port  $\phi$  8 fitting, 3, 5(R) ports built-in muffler right-side mounting
- ML: 1(P) port  $\phi$  8 fitting, 3, 5(R) ports built-in muffler left-side mounting
- MD: 1(P) port  $\phi$  8 fitting, 3, 5(R) ports built-in muffler both-side mounting



The photo shows the -MR type.

Model

- CS-JA10  
Standard type
- CS-JA10L  
Low current type

Valve specification

- A1: 2-port normally closed
- A2: 2-port normally open
- A3: 3-port normally closed
- A4: 3-port normally open
- A5: 5-port 2-position, single sol.
- A6: 5-port 2-position, double sol.
- A7: 3-position, closed center
- A8: 3-position, exhaust center
- A9: 3-position, pressure center
- AA: Tandem 3-port (normally closed & normally closed)
- AB: Tandem 3-port (normally open & normally open)
- AC: Tandem 3-port (normally closed & normally open)

| Model          | Number of valve units | Piping block specification<br>(air supply and exhaust) |                                        |
|----------------|-----------------------|--------------------------------------------------------|----------------------------------------|
| Manifold model |                       |                                                        |                                        |
| CS-JAM         | 2<br>⋮<br>20          | NJ                                                     | -JR<br>-JL<br>-JD<br>-MR<br>-ML<br>-MD |

## Manual override

Non-locking type



Blank

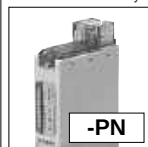
Locking protruding type



-83

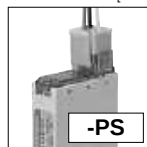
## Wiring specification

S type plug connector  
Without connector ass'y



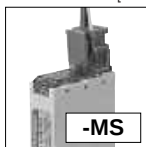
-PN

Positive common  
S type plug connector  
Lead wire 300mm [11.8in.]



-PS

Negative common  
S type plug connector  
Lead wire 300mm [11.8in.]



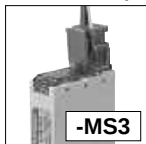
-MS

Positive common  
S type plug connector  
Lead wire 3000mm [118in.]



-PS3

Negative common  
S type plug connector  
Lead wire 3000mm [118in.]



-MS3

Positive common  
pre-wired terminal  
S type plug connector  
Lead wire 300mm [11.8in.]



-CPS

Negative common  
pre-wired terminal  
S type plug connector  
Lead wire 300mm [11.8in.]



-CMS

Positive common  
pre-wired terminal  
S type plug connector  
Lead wire 3000mm [118in.]



-CPS3

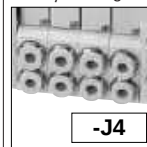
Negative common  
pre-wired terminal  
S type plug connector  
Lead wire 3000mm [118in.]



-CMS3

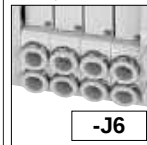
## Manifold fitting specification

With  $\phi$  4 fittings



-J4

With  $\phi$  6 fittings



-J6

## Back pressure prevention valve

Blank

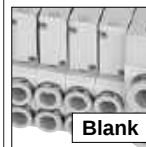
Without back pressure prevention valve

-E2

With back pressure prevention valve

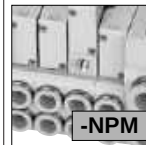
## Individual air supply spacer

Without spacer



Blank

With individual air supply spacer



-NPM

## Port isolator

Blank : Without port isolator

-S1 : For 1(P) port

-S3 : For 3(R2) and 5(R1) ports

-SA : For 1(P), 3(R2) and 5(R1) ports

## Voltage

-D4

DC24V

| Station | Model | Valve specification | Manual override | Wiring specification | Manifold fitting specification | Back pressure prevention valve | Individual air supply spacer | Port isolator | Voltage |
|---------|-------|---------------------|-----------------|----------------------|--------------------------------|--------------------------------|------------------------------|---------------|---------|
|---------|-------|---------------------|-----------------|----------------------|--------------------------------|--------------------------------|------------------------------|---------------|---------|

Mounting valve model

|                                                       |                     |                                                                      |              |                                                                     |            |              |               |                                                                               |     |
|-------------------------------------------------------|---------------------|----------------------------------------------------------------------|--------------|---------------------------------------------------------------------|------------|--------------|---------------|-------------------------------------------------------------------------------|-----|
| stn. 1<br>:<br>stn. <input type="checkbox"/><br>Note1 | CS-JA10<br>CS-JA10L | A1<br>A2<br>A3<br>A4<br>A5<br>A6<br>A7<br>A8<br>A9<br>AA<br>AB<br>AC | Blank<br>-83 | -PN<br>-PS<br>-PS3<br>-CPS<br>-CPS3<br>-MS<br>-MS3<br>-CMS<br>-CMS3 | -J4<br>-J6 | Blank<br>-E2 | Blank<br>-NPM | Blank<br>-S1 <sup>Note2</sup><br>-S3 <sup>Note2</sup><br>-SA <sup>Note2</sup> | -D4 |
| JABP (for block-off plate)                            |                     |                                                                      |              |                                                                     |            |              |               |                                                                               |     |

Notes: 1. Valve mounting location is from the left, with the solenoid on top, and the 4(A) and 2(B) ports in front.

2. Port isolators can be installed only when piping blocks are mounted on both sides. In addition, only 1 location for each port isolator can be installed in 1 manifold for -SA, or 1 each port isolator for -S1 and -S3 for a total of 2 locations. When shipping, the designated port isolators are installed between the designated station and the station to its immediate left (the next smaller stn. No.).

## Additional Parts Order Codes for Split Manifold Non-Plug-in Type

### Manifold parts

CS - JAZ - 

#### Parts description

**GS2** : Gasket (for split type)  
**E2** : Back pressure prevention valve (2 pcs. for split type and 1 pc. gasket)  
**J4** : 2 pcs.  $\phi$  4 fittings, and 1 pc. stopper pin  
**J6** : 2 pcs.  $\phi$  6 fittings, and 1 pc. stopper pin  
**J8** : 2 pcs.  $\phi$  8 fittings, and 1 pc. stopper pin  
**M** : Muffler for piping block  
**NPM** : Individual air supply spacer (spacer body, gasket and 2 mounting screws)  
**S1** : Port isolator for 1(P) port  
**S3** : Port isolator for 3(R2) and 5(R1) ports  
**SA** : Port isolator for 1(P) port, 3(R2) and 5(R1) ports

### Block-off plate (block-off plate and 2 mounting screws)

CS - JABP

### Piping block assembly

CS - JAZ - 

#### Piping specification

**PJ** : 1(P) and 3, 5(R) ports  $\phi$  8 fittings  
**PM** : 1(P) port  $\phi$  8 fitting, 3, 5(R) ports built-in mufflers

### Connector-related

CS - JAZ - 

#### Connector specification

**CP** : Positive common plug connector, lead wire length 300mm [11.8in.]  
**CP3** : Positive common plug connector, lead wire length 3000mm [118in.]  
**CPN** : Positive common plug connector, without lead wire (short bar and contacts included)  
**PA** : Positive common A type, plug connector lead wire length 300mm [11.8in.]\*  
**PA3** : Positive common A type, plug connector lead wire length 3000mm [118in.]\*  
**PB** : Positive common B type, plug connector lead wire length 300mm [11.8in.]\*  
**PB3** : Positive common B type, plug connector lead wire length 3000mm [118in.]\*  
**PC** : Positive common C type, plug connector lead wire length 300mm [11.8in.]\*  
**PC3** : Positive common C type, plug connector lead wire length 3000mm [118in.]\*  
**CM** : Negative common plug connector, lead wire length 300mm [11.8in.]  
**CM3** : Negative common plug connector, lead wire length 3000mm [118in.]  
**CMN** : Negative common plug connector, without lead wire (short bar and contacts included)  
**MA** : Negative common A type, plug connector lead wire length 300mm [11.8in.]\*  
**MA3** : Negative common A type, plug connector lead wire length 3000mm [118in.]\*  
**MB** : Negative common B type, plug connector lead wire length 300mm [11.8in.]\*  
**MB3** : Negative common B type, plug connector lead wire length 3000mm [118in.]\*  
**MC** : Negative common C type, plug connector lead wire length 300mm [11.8in.]\*  
**MC3** : Negative common C type, plug connector lead wire length 3000mm [118in.]\*

※ For details, see the Valves General Catalog.

### End blocks (one set of left and right)

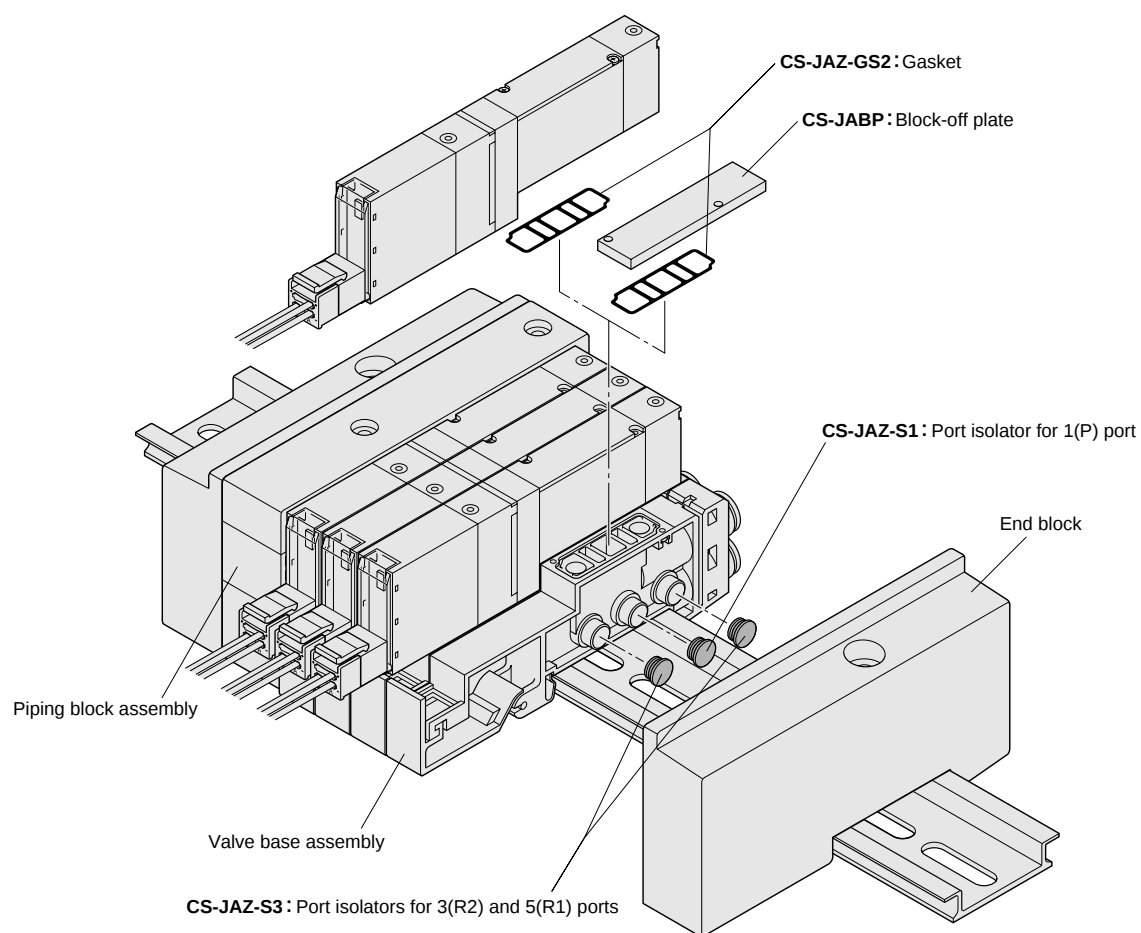
CS - JAZ - E

### Valve base assembly (valve base and gasket)

CS - JAZ - 

#### Piping specification

**VJ4** : With  $\phi$  4 fitting  
**VJ6** : With  $\phi$  6 fitting



### Manifold Order Code Example (6 units of JA series)

#### CS-JAM6NJ-JR

stn.1~2 CS-JA10A5-PS-J4-D4

stn.3~5 CS-JA10A6-PS-J6-D4

stn.6 CS-JABP-J6

Note: This order code example has no relation to the illustration above.

### Precautions for Order Codes

#### ● Order for valves only

Place orders by "Single Valve Unit Order Codes" on p.185.

For wiring specifications, **Blank** (plug-in type valve) cannot be selected.

For common terminal wiring connections, order separately the common connector assemblies listed to the left.

Split Manifold Plug-in Type Order Codes

Left side

Right side



■ Piping block specification  
(air supply and exhaust)

-JR: 1(P) and 3, 5(R) ports  $\phi$  8 fitting  
right-side mounting

-JL: 1(P) and 3, 5(R) ports  $\phi$  8 fitting  
left-side mounting

-JD: 1(P) and 3, 5(R) ports  $\phi$  8 fitting  
both-side mounting



The photo shows the -JR type.

-MR: 1(P) port  $\phi$  8 fitting, 3, 5(R) ports  
built-in muffler, right-side mounting

-ML: 1(P) port  $\phi$  8 fitting, 3, 5(R) ports  
built-in muffler, left-side mounting

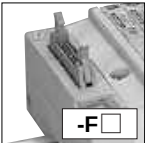
-MD: 1(P) port  $\phi$  8 fitting, 3, 5(R) ports  
built-in muffler, both-side mounting



The photo shows the -MR type.

■ Wiring specification  
(wiring block)

Flat cable connector  
(with socket and strain relief)



-F200: 20-pin (connector on upper side)

-F201: 20-pin (connector on upper side)

-F260: 26-pin (connector on upper side)



-F200E: 20-pin (connector on side)

-F201E: 20-pin (connector on side)

-F260E: 26-pin (connector on side)

D-sub connector  
(M2.6 mounting screw)



-D250: 25-pin (connector on upper side)

-D251: 25-pin (connector on upper side)



-D250E: 25-pin (connector on side)

-D251E: 25-pin (connector on side)

※ For details of wiring  
specification, see the Valves  
General Catalog.

■ Wiring connection specification

Blank

Packed wiring : Wiring is made in accordance with the  
mounted valve specifications.<sup>Note</sup>

-D

Double wiring : Wiring is always the one for the double sole-  
noid, regardless of the specifications of the  
mounted valve.<sup>Note</sup>

Note: The wiring for the block-off plate is normally  
the one for the double solenoid. However,  
when -S is designated as the block-off plate  
wiring specification, the block-off plate  
wiring of the station is changed to the one  
for the single solenoid.

■ Pre-wired common

Blank

Positive common

-CM

Negative common

■ Voltage

-D4

DC24V

Model

Number of  
valve units

Piping block specification  
(air supply and exhaust)

Wiring specification

Wiring connection  
specification

pre-wired common

Voltage

Manifold model

|        |                           |    |                                        |                                                                                             |             |              |     |
|--------|---------------------------|----|----------------------------------------|---------------------------------------------------------------------------------------------|-------------|--------------|-----|
| CS-JAM | 2<br>:<br>:<br>□<br>Note1 | PJ | -JR<br>-JL<br>-JD<br>-MR<br>-ML<br>-MD | -F200<br>-F201<br>-F260<br>-F200E<br>-F201E<br>-F260E<br>-D250<br>-D251<br>-D250E<br>-D251E | Blank<br>-D | Blank<br>-CM | -D4 |
|--------|---------------------------|----|----------------------------------------|---------------------------------------------------------------------------------------------|-------------|--------------|-----|

Notes: 1. For the maximum number of units, see the table for maximum number of valve units by wiring specification, on p.195.

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## Model

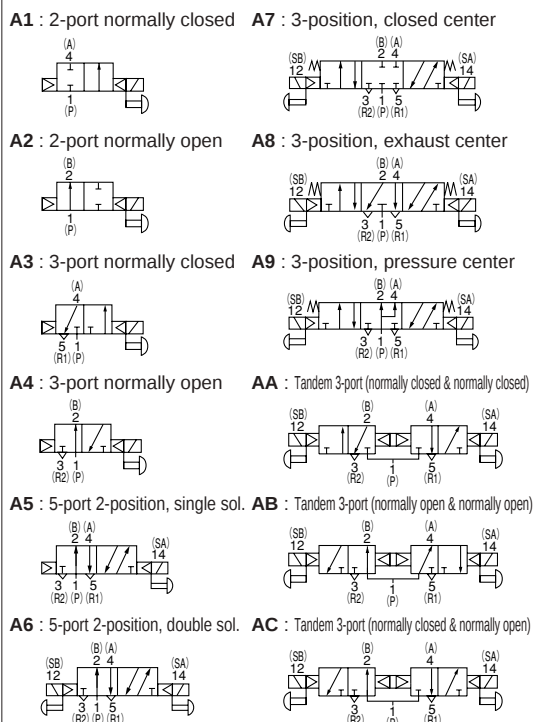
**CS-JA10**

Standard type

**CS-JA10L**

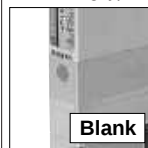
Low current type

## Valve specification



## Manual override

Non-locking type

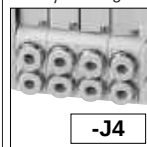


Locking protruding type

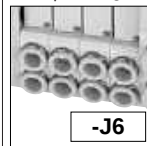


## Manifold fitting specification

With  $\phi$  4 fittings



With  $\phi$  6 fittings



## Back pressure prevention valve

**Blank**

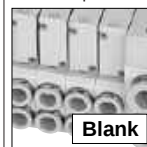
Without back pressure prevention valve

**-E2**

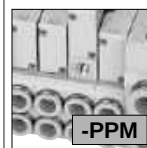
With back pressure prevention valve

## Individual air supply spacer

Without spacer



With individual air supply spacer



## Port isolator

**Blank** : Without port isolator

**-S1** : For 1(P) port

**-S3** : For 3(R2) and 5(R1) ports

**-SA** : For 1(P), 3(R2) and 5(R1) ports

## Block-off plate wiring specification

**Blank**

Wiring is always the one for the double solenoid.

**-S**

When **-S** is designated, the block-off plate wiring of the station is changed to the one for the single solenoid.

## Voltage

**-D4**

DC24V

| Station                                               | Model               | Valve specification                                                  | Manual override | Manifold fitting specification | Back pressure prevention valve | Individual air supply spacer | Port isolator                                                                 | Block-off plate wiring specification | Voltage |
|-------------------------------------------------------|---------------------|----------------------------------------------------------------------|-----------------|--------------------------------|--------------------------------|------------------------------|-------------------------------------------------------------------------------|--------------------------------------|---------|
| Mounting valve model                                  |                     |                                                                      |                 |                                |                                |                              |                                                                               |                                      |         |
| stn. 1<br>:<br>stn. <input type="checkbox"/><br>Note2 | CS-JA10<br>CS-JA10L | A1<br>A2<br>A3<br>A4<br>A5<br>A6<br>A7<br>A8<br>A9<br>AA<br>AB<br>AC | Blank<br>-83    | -J4<br>-J6                     | Blank<br>-E2                   | Blank<br>-PPM                | Blank<br>-S1 <sup>Note3</sup><br>-S3 <sup>Note3</sup><br>-SA <sup>Note3</sup> | Blank<br>-S                          | -D4     |
| JABPP (for block-off plate)                           |                     |                                                                      |                 |                                |                                |                              |                                                                               |                                      |         |

Notes: 2. Valve mounting location is from the left, with the solenoid on top, and the 4(A) and 2(B) ports in front.

3. Port isolators can be installed only when piping blocks are mounted on both sides. In addition, only 1 location of each port isolator can be installed in 1 manifold for **-SA**, or 1 each port isolator for **-S1** and **-S3**, for a total of 2 locations. When shipping, the designated port isolators are installed between the designated station and the station to its immediate left (the next smaller stn. No.).

## Additional Parts Order Codes for Split Manifold Plug-in Type

### Manifold parts

CS - JAZ -

#### Parts description

**GS2** : Gasket (for split type)  
**E2** : Back pressure prevention valve (2 pcs. for split type, and 1 pc. gasket)  
**J4** : 2 pcs.  $\phi$  4 fittings, and 1 pc. stopper pin  
**J6** : 2 pcs.  $\phi$  6 fittings, and 1 pc. stopper pin  
**J8** : 2 pcs.  $\phi$  8 fittings, and 1 pc. stopper pin  
**M** : Muffler for piping block  
**PPM** : Individual air supply spacer (spacer body, gasket, 2 mounting screws, and connector ass'y)  
**S1** : Port isolator for 1(P) port  
**S3** : Port isolator for 3(R2) and 5(R1) ports  
**SA** : Port isolator for 1(P) port, 3(R2) and 5(R1) ports

### Block-off plate (block-off plate, 2 mounting screws, and plug)

CS - JABPP

### Piping block assembly

CS - JAZ -

#### Piping specification

**PJ** : 1(P) and 3, 5(R) ports  $\phi$  8 fittings  
**PM** : 1(P) port  $\phi$  8 fitting, 3, 5(R) ports built-in mufflers

### Wiring block assembly (one set)

CS - JAZ -  -  -

**Voltage**  
**D4** : DC24V

**Pre-wired common**  
**Blank** : Positive common  
**CM** : Negative common

#### Wiring specification

**F200** : Flat cable connector  
**F201** : Flat cable connector  
**F260** : Flat cable connector  
**D250** : D-sub connector  
**D251** : D-sub connector

### End blocks (one set of left and right)

CS - JAZ - EP

### Valve base assembly (valve base, gasket, lead wire and plug-in connector)

CS - JAZ -  -  -

**Pre-wired common**  
**Blank** : Positive common  
**CM** : Negative common

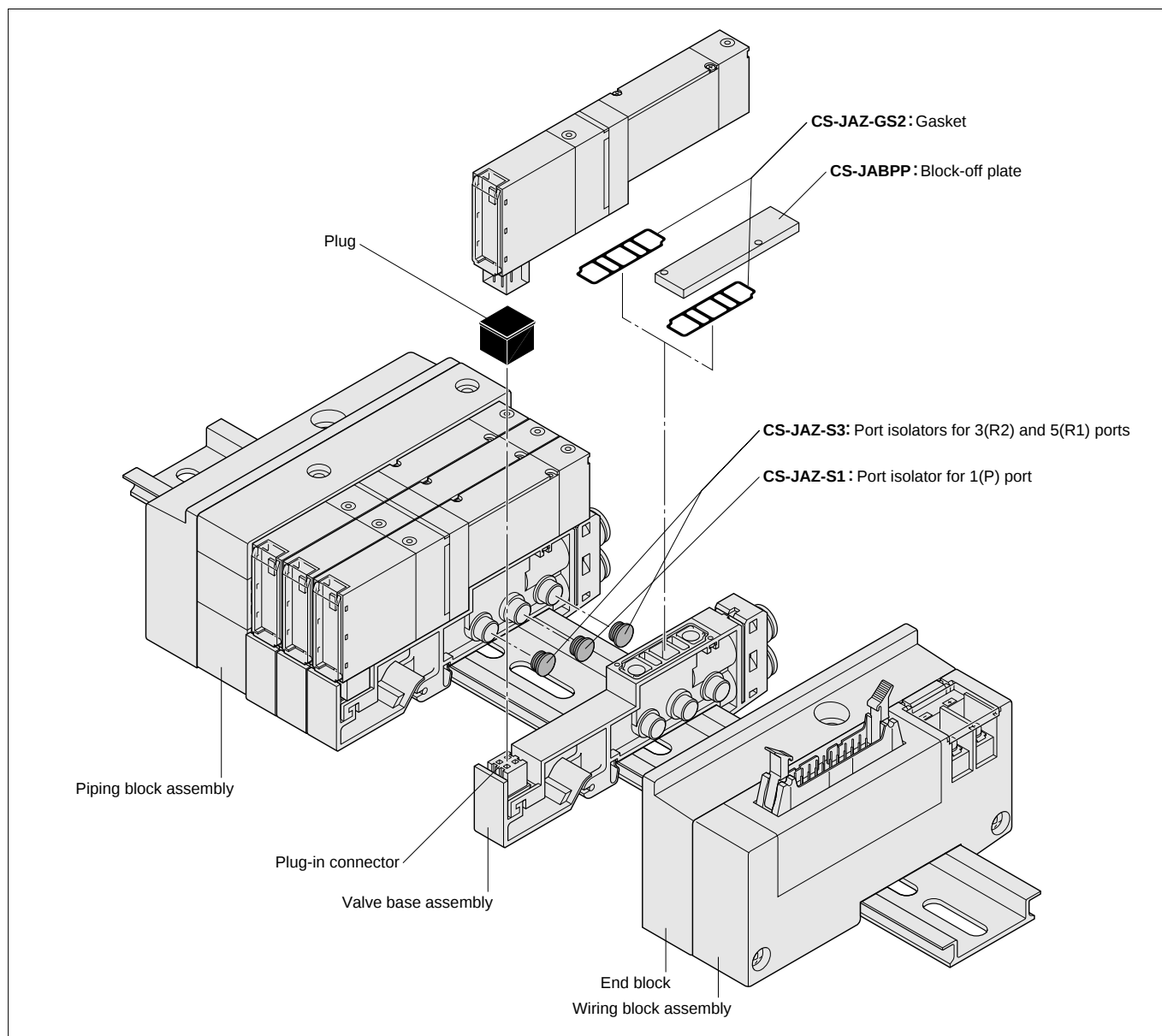
**Wiring specification**  
**D** : For D-sub connector  
**F** : For flat cable connector

#### Piping specification

**VJ4** : With  $\phi$  4 fitting  
**VJ6** : With  $\phi$  6 fitting

■ Table for maximum number of valve units by wiring specification

|                                                        |              | Maximum number of units                                                                                                                                                                                 |                    |
|--------------------------------------------------------|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
|                                                        |              | Wiring connection specification                                                                                                                                                                         |                    |
| Wiring specification                                   | Max. outputs | Packed wiring (Blank)                                                                                                                                                                                   | Double wiring (-D) |
| <b>F200</b> <input type="text"/> Flat cable (20P)      | 16           | Varies depending on the mounted number of single solenoids, double solenoids and block-off plates.<br>The number of controllable solenoids should be the maximum number of outputs to the left or less. | 8 units            |
| <b>F201</b> <input type="text"/> Flat cable (20P)      | 16           |                                                                                                                                                                                                         | 8 units            |
| <b>F260</b> <input type="text"/> Flat cable (26P)      | 20           |                                                                                                                                                                                                         | 10 units           |
| <b>D250</b> <input type="text"/> D-sub connector (25P) | 16           |                                                                                                                                                                                                         | 8 units            |
| <b>D251</b> <input type="text"/> D-sub connector (25P) | 20           |                                                                                                                                                                                                         | 10 units           |



### Manifold Order Code Example (8 units of JA series)

#### CS-JAM8PJ-JR-F201-D4

stn.1~4 CS-JA10A5-J4-D4

stn.5~7 CS-JA10A6-J6-D4

stn.8 CS-JABPP-J6

Note: This order code example has no relation to the illustration above.

### Precautions for Order Codes

#### ● Order for valves only

Place orders by "Single Valve Unit Order Codes" on p.185.

The wiring specification, however, is available on the **Blank** (plug-in type) only.

#### ● Wiring connection specification

**Blank** (packed wiring) : Wiring is made in accordance with the mounted valve specifications.

**-D** (double wiring) : Wiring is always for the double solenoid, regardless of the mounted valve specifications.

Note: The wiring for the block-off plate is normally the one for the double solenoid. However, when **-S** is designated as the block-off plate wiring specification, the block-off plate wiring of the station is changed to the one for the single solenoid.

Serial Transmission Type Order Codes



Piping block specification (air supply and exhaust)

- JR : 1(P) and 3, 5(R) ports  $\phi$  8 fitting right-side mounting
- JL : 1(P) and 3, 5(R) ports  $\phi$  8 fitting left-side mounting
- JD : 1(P) and 3, 5(R) ports  $\phi$  8 fitting both-side mounting



The photo shows the -JR type.

- MR : 1(P) port  $\phi$  8 fitting, 3, 5(R) ports built-in muffler right-side mounting
- ML : 1(P) port  $\phi$  8 fitting, 3, 5(R) ports built-in muffler left-side mounting
- MD : 1(P) port  $\phi$  8 fitting, 3, 5(R) ports built-in muffler both-side mounting



The photo shows the -MR type.

Serial transmission block specification

※ These are serial transmission block specifications compatible with each system.



For details, see the Valves General Catalog.

- A1 : For Omron CompoBus/S (16 outputs)
- B1 : For Mitsubishi Electric CC-Link (16 outputs)
- B3 : For Mitsubishi Electric CC-Link (32 outputs)
- D1 : For DeviceNet (CompoBus/D)
- F1 : For SUNX S-LINK V (16 outputs)

Wiring connection specification

Blank

Packed wiring : Wiring is made in accordance with the mounted valve specifications.<sup>Note</sup>

-D

Double wiring : Wiring is always the one for the double solenoid, regardless of the specifications of the mounted valve.<sup>Note</sup>

Note: The wiring for the block-off plate is normally the one for the double solenoid. However, when -S is designated as the block-off plate wiring specification, the block-off plate wiring of the station is changed to the one for the single solenoid.

| Model          | Number of valve units                       | Piping block specification (air supply and exhaust) | Serial transmission block specification | Wiring connection specification                    |
|----------------|---------------------------------------------|-----------------------------------------------------|-----------------------------------------|----------------------------------------------------|
| Manifold model |                                             |                                                     |                                         |                                                    |
| CS-JAM         | 2<br>⋮<br><input type="checkbox"/><br>Note1 | SJ                                                  | -JR<br>-JL<br>-JD<br>-MR<br>-ML<br>-MD  | -A1<br>-B1<br>-B3<br>-D1<br>-F1<br><br>Blank<br>-D |

Notes: 1. For the maximum number of units, see the table for maximum number of valve units by serial transmission block specification, on p.199.

## Model

**CS-JA10**

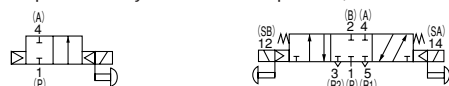
Standard type

**CS-JA10L**

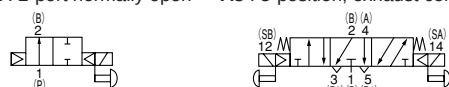
Low current type

## Valve specification

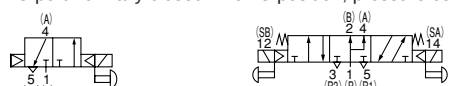
**A1** : 2-port normally closed **A7** : 3-position, closed center



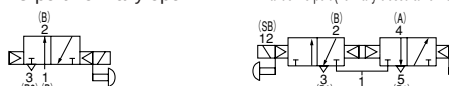
**A2** : 2-port normally open **A8** : 3-position, exhaust center



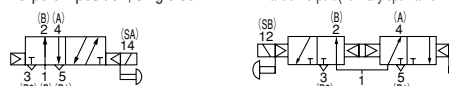
**A3** : 3-port normally closed **A9** : 3-position, pressure center



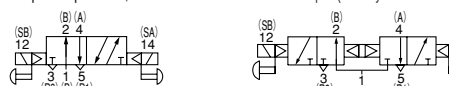
**A4** : 3-port normally open **AA** : Tandem 3-port (normally closed & normally closed)



**A5** : 5-port 2-position, single sol. **AB** : Tandem 3-port (normally open & normally open)

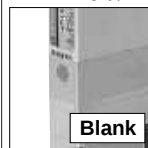


**A6** : 5-port 2-position, double sol. **AC** : Tandem 3-port (normally closed & normally open)



## Manual override

Non-locking type

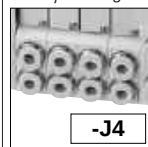


Locking protruding type

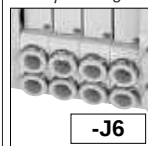


## Manifold fitting specification

With  $\phi$  4 fittings



With  $\phi$  6 fittings



## Back pressure prevention valve

**Blank**

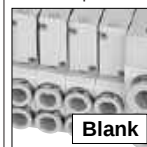
Without back pressure prevention valve

**-E2**

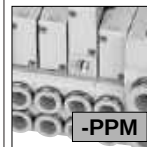
With back pressure prevention valve

## Individual air supply spacer

Without spacer



With individual air supply spacer



## Port isolator

**Blank** : Without port isolator

**-S1** : For 1(P) port

**-S3** : For 3(R2) and 5(R1) ports

**-SA** : For 1(P), 3(R2) and 5(R1) ports

## Block-off plate wiring specification

**Blank**

Wiring is always the one for the double solenoid.

**-S**

When **-S** is designated, the block-off plate wiring of the station is changed to the one for the single solenoid.

## Voltage

**-D4**

DC24V

| Station              | Model | Valve specification | Manual override | Manifold fitting specification | Back pressure prevention valve | Individual air supply spacer | Port isolator | Block-off plate wiring specification | Voltage |
|----------------------|-------|---------------------|-----------------|--------------------------------|--------------------------------|------------------------------|---------------|--------------------------------------|---------|
| Mounting valve model |       |                     |                 |                                |                                |                              |               |                                      |         |

|                                                       |                                |                                                                      |              |            |              |               |                                                                               |             |     |
|-------------------------------------------------------|--------------------------------|----------------------------------------------------------------------|--------------|------------|--------------|---------------|-------------------------------------------------------------------------------|-------------|-----|
| stn. 1<br>⋮<br>stn. <input type="checkbox"/><br>Note2 | CS-JA10<br>CS-JA10L            | A1<br>A2<br>A3<br>A4<br>A5<br>A6<br>A7<br>A8<br>A9<br>AA<br>AB<br>AC | Blank<br>-83 | -J4<br>-J6 | Blank<br>-E2 | Blank<br>-PPM | Blank<br>-S1 <sup>Note3</sup><br>-S3 <sup>Note3</sup><br>-SA <sup>Note3</sup> | Blank<br>-S | -D4 |
|                                                       | CS-JABPP (for block-off plate) |                                                                      |              |            |              |               |                                                                               |             |     |

Notes: 2. Valve mounting location is from the left, with the solenoid on top, and the 4(A) and 2(B) ports in front.

3. Port isolators can be installed only when piping blocks are mounted on both sides. In addition, only 1 location of each port isolator can be installed in 1 manifold for **-SA**, or 1 each port isolator for **-S1** and **-S3**, for a total of 2 locations. When shipping, the designated port isolators are installed between the designated station and the station to its immediate left (the next smaller stn. No.).

## Additional Parts Order Codes for Serial Transmission Type

### Manifold parts

CS - JAZ - ☐

#### Parts description

**GS2** : Gasket (for split type)  
**E2** : Back pressure prevention valve (2 pcs. for split type, and 1 pc. gasket)  
**J4** : 2 pcs.  $\phi$  4 fittings, and 1 pc. stopper pin  
**J6** : 2 pcs.  $\phi$  6 fittings, and 1 pc. stopper pin  
**J8** : 2 pcs.  $\phi$  8 fittings, and 1 pc. stopper pin  
**M** : Muffler for piping block  
**PPM** : Individual air supply spacer (spacer body, gasket, 2 mounting screws, and connector ass'y)  
**S1** : Port isolator for 1(P) port  
**S3** : Port isolator for (R2) and 5(R1) ports  
**SA** : Port isolator for 1(P) port, 3(R2) and 5(R1) ports

### Block-off plate (block-off plate, 2 mounting screws, and plug)

CS - JABPP

### Piping block assembly

CS - JAZ - ☐

#### Piping specification

**PJ** : 1(P) and 3, 5(R) ports  $\phi$  8 fittings  
**PM** : 1(P) port  $\phi$  8 fitting, 3, 5(R) ports built-in mufflers

### End blocks (one set of left and right)

CS - JAZ - EP

### Valve base assembly (valve base, gasket, lead wire and plug-in connector)

CS - JAZ - ☐ - F

#### Piping specification

**VJ4** : With  $\phi$  4 fitting  
**VJ6** : With  $\phi$  6 fitting

### Serial transmission block (single unit)

CS - YS5 ☐ ☐

#### Options

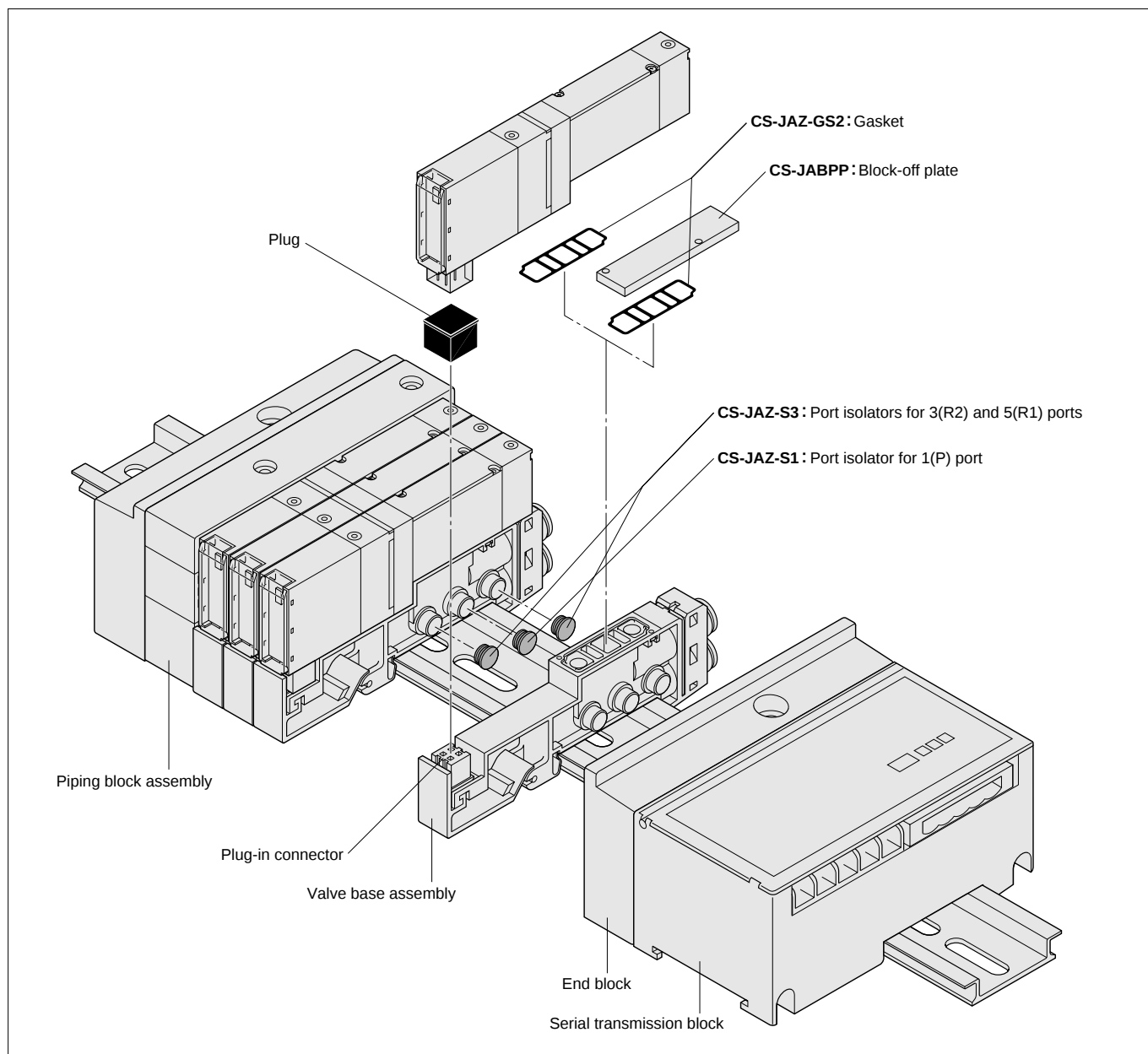
**Blank** : For replacement of JA Series serial transmission block  
**U** : With flat cable (general purpose type) <sup>Note</sup> compatible with F201  
 Note: For general purpose type, see the Valves General Catalog.

#### Serial transmission block specification

**A1** : For Omron CompoBus/S (16 outputs)  
**B1** : For Mitsubishi Electric CC-Link (16 outputs)  
**B3** : For Mitsubishi Electric CC-Link (32 outputs)  
**D1** : For DeviceNet (CompoBus/D)  
**F1** : For SUNX S-LINK V (16 outputs)

■Table for maximum number of valve units by serial transmission block specification

| Transmission block specification                         |              | Maximum number of units                                                                                                                                                                              |                             |
|----------------------------------------------------------|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|
|                                                          |              | Wiring connection specification                                                                                                                                                                      |                             |
|                                                          | Max. outputs | Packed wiring ( <b>Blank</b> )                                                                                                                                                                       | Double wiring ( <b>-D</b> ) |
| <b>A1</b> : For Omron CompoBus/S (16 outputs)            | 16           | Varies depending on the mounted number of single solenoids, double solenoids and block-off plates. The number of controllable solenoids should be the maximum number of outputs to the left or less. | 8 units                     |
| <b>B1</b> : For Mitsubishi Electric CC-Link (16 outputs) | 16           |                                                                                                                                                                                                      | 8 units                     |
| <b>B3</b> : For Mitsubishi Electric CC-Link (32 outputs) | 32           |                                                                                                                                                                                                      | 16 units                    |
| <b>D1</b> : For DeviceNet (CompoBus/D)                   | 16           |                                                                                                                                                                                                      | 8 units                     |
| <b>F1</b> : For SUNX S-LINK V (16 outputs)               | 16           |                                                                                                                                                                                                      | 8 units                     |



### Manifold Order Code Example (8 units of JA series)

#### CS-JAM8SJ-JR-A1

stn.1~4 CS-JA10A5-J4-D4

stn.5~7 CS-JA10A6-J6-D4

stn.8 CS-JABPP-J6

Note: This order code example has no relation to the illustration above.

## Precautions for Order Codes

### ● Order for valves only

Place orders by “**Single Valve Unit Order Codes**” on p.185.

The wiring specification, however, is compatible with the **Blank** (plug-in type) only.

### ● Wiring connection specification

**Blank** (packed wiring) : Wiring is made in accordance with the mounted valve specifications.

**-D** (double wiring) : Wiring is always for the double solenoid, regardless of the mounted valve specifications.

Note: The wiring for the block-off plate is normally the one for the double solenoid. However, when **-S** is designated as the block-off plate wiring specification, the block-off plate wiring of the station is changed to the one for the single solenoid.

## Dimensions of JA Series Solenoid Valve mm [in.]

2-, 3-port, single solenoid

**CS-JA10** ☐ **A1**-☐-PS

**CS-JA10** ☐ **A2**-☐-PS

**CS-JA10** ☐ **A3**-☐-PS

**CS-JA10** ☐ **A4**-☐-PS

S type plug connector

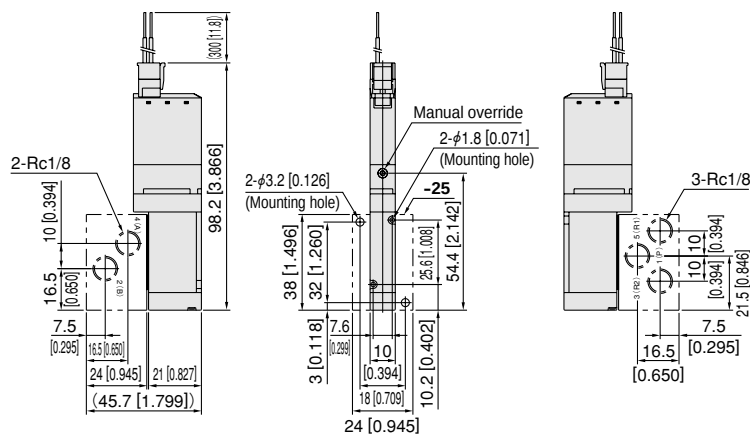
### Caution:

**A1** : For 2-port normally closed type, plugged 2(B)

**A2** : For 2-port normally open type, plugged 4(A)

**A3** : For 3-port normally closed type, plugged 2(B)

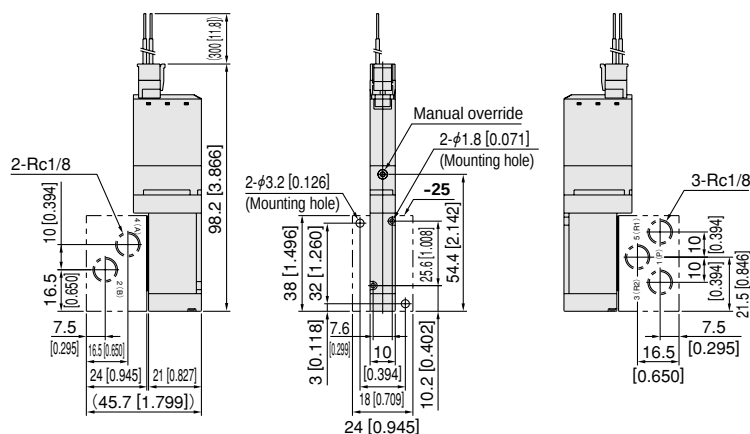
**A4** : For 3-port normally open type, plugged 4(A)



5-port, single solenoid

**CS-JA10** ☐ **A5**-☐-PS

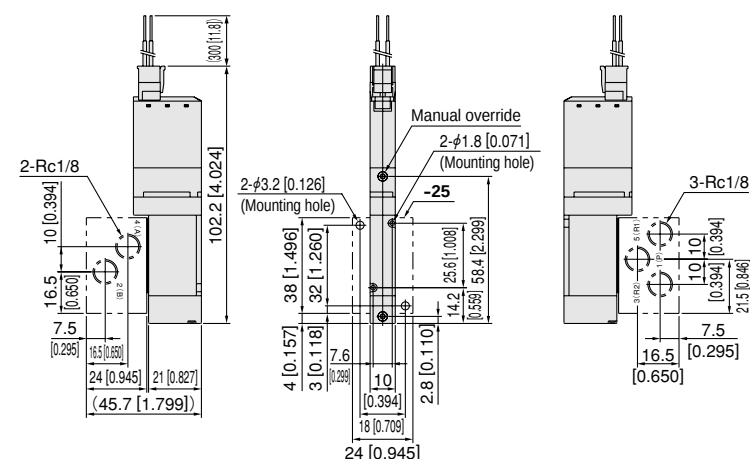
S type plug connector



5-port, double solenoid

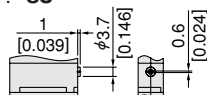
**CS-JA10** ☐ **A6**-☐-PS

S type plug connector

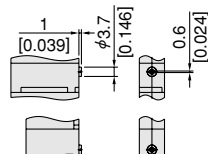


## Options

● Locking protruding type manual override : -83



For single solenoid



For double solenoid

## Dimensions of JA Series Solenoid Valve mm [in.]

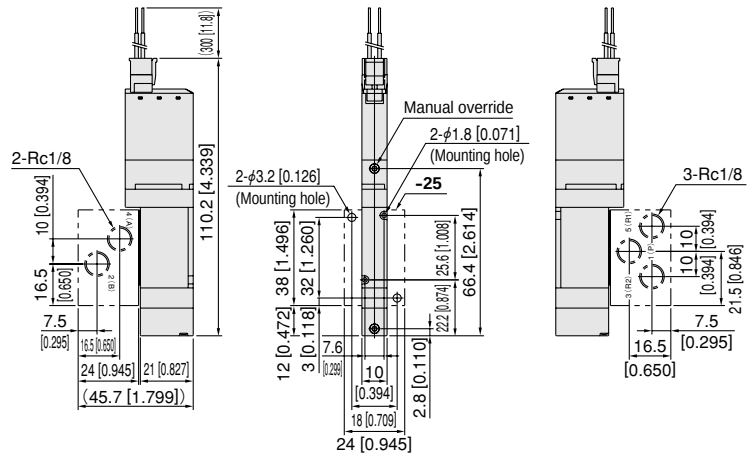
5-port, 3-position

**CS-JA10** ☐ **A7-** ☐ **-PS**

**CS-JA10** ☐ **A8-** ☐ **-PS**

**CS-JA10** ☐ **A9-** ☐ **-PS**

S type plug connector



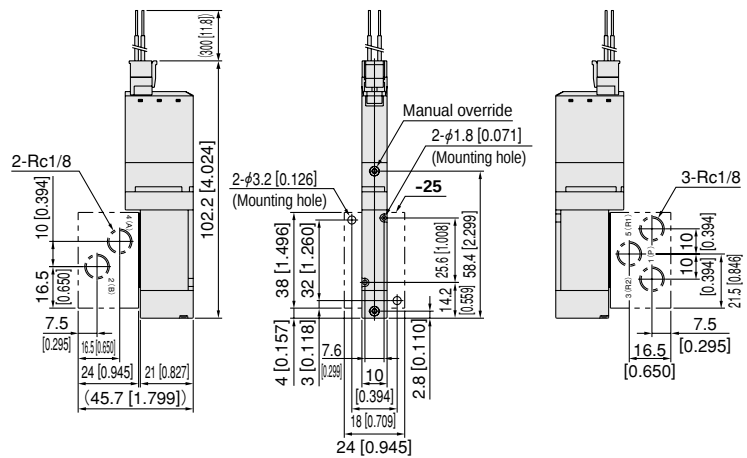
Tandem 3-port, 4-position

**CS-JA10** ☐ **AA-** ☐ **-PS**

**CS-JA10** ☐ **AB-** ☐ **-PS**

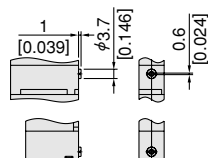
**CS-JA10** ☐ **AC-** ☐ **-PS**

S type plug connector



## Option

● Locking protruding type manual override : **-83**



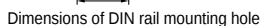
## CS-JAM AJ



CS-JAM5AJ

|       |                     |
|-------|---------------------|
| stn.1 | CS-JA10A1-PS-J4K-D4 |
| stn.2 | CS-JA10A5-PS-J4K-D4 |
| stn.3 | CS-JA10A6-PS-J4K-D4 |
| stn.4 | CS-JA10A7-PS-J4K-D4 |
| stn.5 | CS-JABP-J4K         |

| No. of units | L                | P                |
|--------------|------------------|------------------|
| 2            | 48.5<br>[1.909]  | 30.5<br>[1.201]  |
| 3            | 59.0<br>[2.323]  | 41.0<br>[1.614]  |
| 4            | 69.5<br>[2.736]  | 51.5<br>[2.028]  |
| 5            | 80.0<br>[3.150]  | 62.0<br>[2.441]  |
| 6            | 90.5<br>[3.563]  | 72.5<br>[2.854]  |
| 7            | 101.0<br>[3.976] | 83.0<br>[3.268]  |
| 8            | 111.5<br>[4.390] | 93.5<br>[3.681]  |
| 9            | 122.0<br>[4.803] | 104.0<br>[4.094] |
| 10           | 132.5<br>[5.217] | 114.5<br>[4.508] |
| 11           | 143.0<br>[5.630] | 125.0<br>[4.921] |
| 12           | 153.5<br>[6.043] | 135.5<br>[5.335] |
| 13           | 164.0<br>[6.457] | 146.0<br>[5.748] |
| 14           | 174.5<br>[6.870] | 156.5<br>[6.161] |
| 15           | 185.0<br>[7.283] | 167.0<br>[6.575] |
| 16           | 195.5<br>[7.697] | 177.5<br>[6.988] |
| 17           | 206.0<br>[8.110] | 188.0<br>[7.402] |
| 18           | 216.5<br>[8.524] | 198.5<br>[7.815] |
| 19           | 227.0<br>[8.937] | 209.0<br>[8.228] |
| 20           | 237.5<br>[9.350] | 219.5<br>[8.642] |

CS-JAM ☐ NJ

[Installation example]

**CS-JAM5NJ-JR**  
 stn.1 CS-JA10A1-PS-J4-D4  
 stn.2 CS-JA10A5-PS-J4-D4  
 stn.3 CS-JA10A6-PS-J4-D4  
 stn.4 CS-JA10A7-PS-J4-D4  
 stn.5 CS-JABP-J4

| Number of units | L1                | DIN rail length | L2 <sup>Note</sup> | DIN rail length <sup>Note</sup> |
|-----------------|-------------------|-----------------|--------------------|---------------------------------|
| 2               | 75.0<br>[2.953]   | 125<br>[4.921]  | 93.0<br>[3.661]    | 125<br>[4.921]                  |
| 3               | 85.5<br>[3.366]   | 125<br>[4.921]  | 103.5<br>[4.075]   | 150<br>[5.906]                  |
| 4               | 96.0<br>[3.780]   | 125<br>[4.921]  | 114.0<br>[4.488]   | 150<br>[5.906]                  |
| 5               | 106.5<br>[4.193]  | 150<br>[5.906]  | 124.5<br>[4.902]   | 175<br>[6.890]                  |
| 6               | 117.0<br>[4.606]  | 150<br>[5.906]  | 135.0<br>[5.315]   | 175<br>[6.890]                  |
| 7               | 127.5<br>[5.020]  | 175<br>[6.890]  | 145.5<br>[5.728]   | 175<br>[6.890]                  |
| 8               | 138.0<br>[5.433]  | 175<br>[6.890]  | 156.0<br>[6.142]   | 200<br>[7.874]                  |
| 9               | 148.5<br>[5.846]  | 200<br>[7.874]  | 166.5<br>[6.555]   | 200<br>[7.874]                  |
| 10              | 159.0<br>[6.260]  | 200<br>[7.874]  | 177.0<br>[6.969]   | 225<br>[8.858]                  |
| 11              | 169.5<br>[6.673]  | 200<br>[7.874]  | 187.5<br>[7.382]   | 225<br>[8.858]                  |
| 12              | 180.0<br>[7.087]  | 225<br>[8.858]  | 198.0<br>[7.795]   | 250<br>[9.843]                  |
| 13              | 190.5<br>[7.500]  | 225<br>[8.858]  | 208.5<br>[8.209]   | 250<br>[9.843]                  |
| 14              | 201.0<br>[7.913]  | 250<br>[9.843]  | 219.0<br>[8.622]   | 250<br>[9.843]                  |
| 15              | 211.5<br>[8.327]  | 250<br>[9.843]  | 229.5<br>[9.035]   | 275<br>[10.827]                 |
| 16              | 222.0<br>[8.740]  | 275<br>[10.827] | 240.0<br>[9.449]   | 275<br>[10.827]                 |
| 17              | 232.5<br>[9.154]  | 275<br>[10.827] | 250.5<br>[9.862]   | 300<br>[11.811]                 |
| 18              | 243.0<br>[9.567]  | 275<br>[10.827] | 261.0<br>[10.276]  | 300<br>[11.811]                 |
| 19              | 253.5<br>[9.980]  | 300<br>[11.811] | 271.5<br>[10.689]  | 325<br>[12.795]                 |
| 20              | 264.0<br>[10.394] | 300<br>[11.811] | 282.0<br>[11.102]  | 325<br>[12.795]                 |

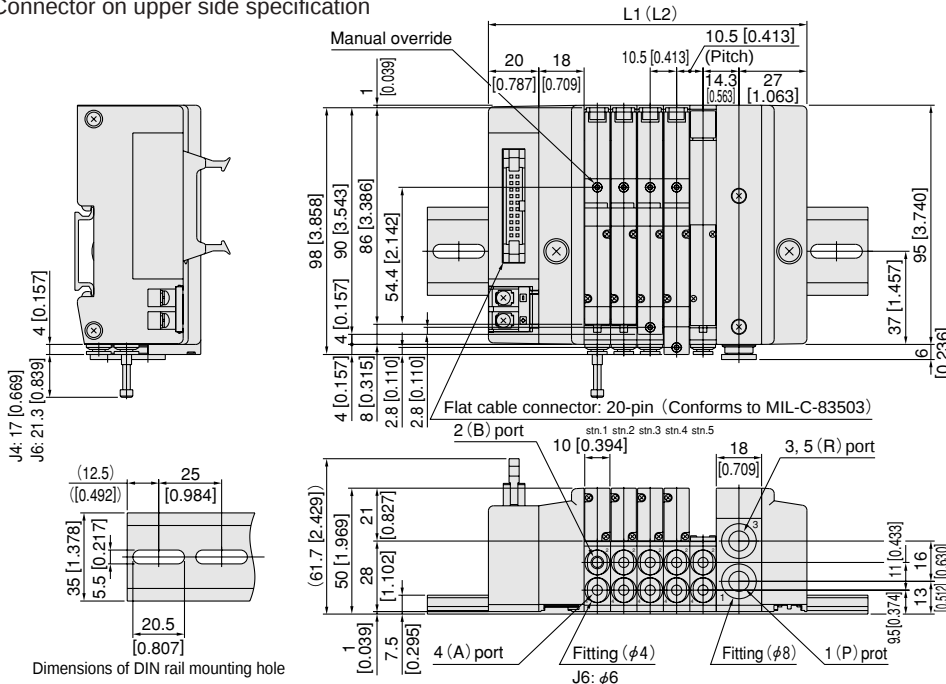
Note : When using 2 piping blocks.

## Dimensions of JA Series Split Manifold Plug-in Type mm [in.]

### CS-JAM□PJ

Flat cable connector 20-pin

Connector on upper side specification



[Installation example]

**CS-JAM5PJ-JR-F20□-D4**

stn.1 CS-JA10A1-J4-D4

stn.2 CS-JA10A5-J4-D4

stn.3 CS-JA10A6-J4-D4

stn.4 CS-JA10A7-J4-D4

stn.5 CS-JABPP-J4

### Unit dimensions

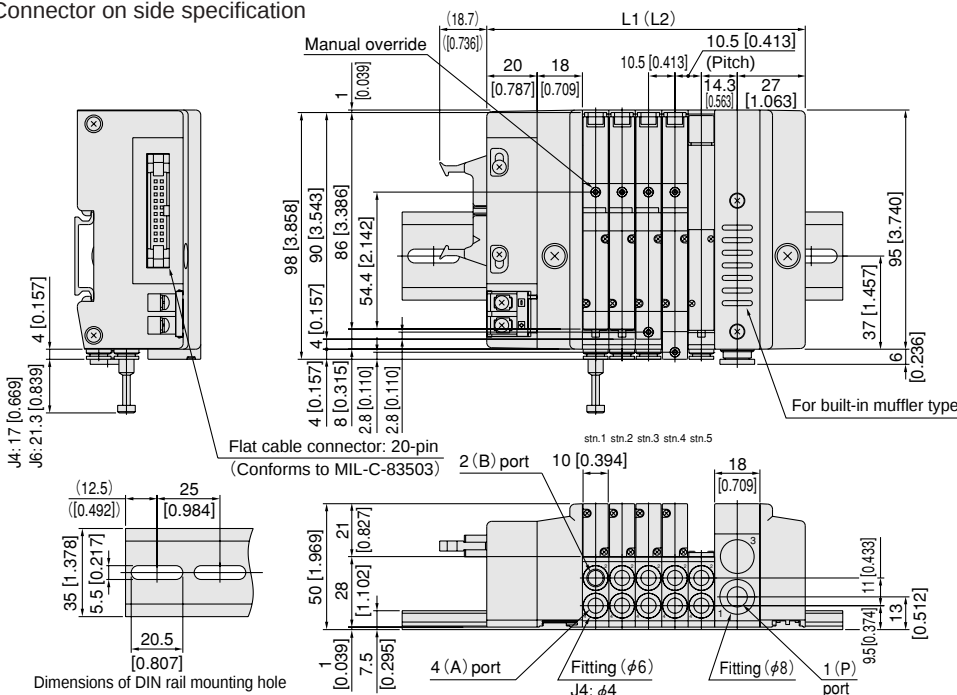
| Number of units | L1               | DIN rail length | L2 <sup>Note</sup> | DIN rail length <sup>Note</sup> |
|-----------------|------------------|-----------------|--------------------|---------------------------------|
| 2               | 95.0<br>[3.740]  | 150<br>[5.906]  | 113.0<br>[4.449]   | 175<br>[6.890]                  |
| 3               | 105.5<br>[4.154] | 175<br>[6.890]  | 123.5<br>[4.862]   | 175<br>[6.890]                  |
| 4               | 116.0<br>[4.567] | 175<br>[6.890]  | 134.0<br>[5.276]   | 200<br>[7.874]                  |
| 5               | 126.5<br>[4.980] | 175<br>[6.890]  | 144.5<br>[5.689]   | 200<br>[7.874]                  |
| 6               | 137.0<br>[5.394] | 200<br>[7.874]  | 155.0<br>[6.102]   | 200<br>[7.874]                  |
| 7               | 147.5<br>[5.807] | 200<br>[7.874]  | 165.5<br>[6.516]   | 225<br>[8.858]                  |
| 8               | 158.0<br>[6.220] | 225<br>[8.858]  | 176.0<br>[6.929]   | 225<br>[8.858]                  |
| 9               | 168.5<br>[6.634] | 225<br>[8.858]  | 186.5<br>[7.343]   | 250<br>[9.843]                  |
| 10              | 179.0<br>[7.047] | 225<br>[8.858]  | 197.0<br>[7.756]   | 250<br>[9.843]                  |
| 11              | 189.5<br>[7.461] | 250<br>[9.843]  | 207.5<br>[8.169]   | 275<br>[10.827]                 |
| 12              | 200.0<br>[7.874] | 250<br>[9.843]  | 218.0<br>[8.583]   | 275<br>[10.827]                 |
| 13              | 210.5<br>[8.287] | 275<br>[10.827] | 228.5<br>[8.996]   | 275<br>[10.827]                 |
| 14              | 221.0<br>[8.701] | 275<br>[10.827] | 239.0<br>[9.409]   | 300<br>[11.811]                 |
| 15              | 231.5<br>[9.114] | 300<br>[11.811] | 249.5<br>[9.823]   | 300<br>[11.811]                 |
| 16              | 242.0<br>[9.528] | 300<br>[11.811] | 260.0<br>[10.236]  | 325<br>[12.795]                 |

Note : When using 2 piping blocks.

### CS-JAM□PJ

Flat cable connector 20-pin

Connector on side specification



[Installation example]

**CS-JAM5PJ-MR-F20□-E-D4**

stn.1 CS-JA10A1-J6-D4

stn.2 CS-JA10A5-J6-D4

stn.3 CS-JA10A6-J6-D4

stn.4 CS-JA10A7-J6-D4

stn.5 CS-JABPP-J6

### Unit dimensions

| Number of units | L1               | DIN rail length | L2 <sup>Note</sup> | DIN rail length <sup>Note</sup> |
|-----------------|------------------|-----------------|--------------------|---------------------------------|
| 2               | 95.0<br>[3.740]  | 150<br>[5.906]  | 113.0<br>[4.449]   | 175<br>[6.890]                  |
| 3               | 105.5<br>[4.154] | 175<br>[6.890]  | 123.5<br>[4.862]   | 175<br>[6.890]                  |
| 4               | 116.0<br>[4.567] | 175<br>[6.890]  | 134.0<br>[5.276]   | 200<br>[7.874]                  |
| 5               | 126.5<br>[4.980] | 175<br>[6.890]  | 144.5<br>[5.689]   | 200<br>[7.874]                  |
| 6               | 137.0<br>[5.394] | 200<br>[7.874]  | 155.0<br>[6.102]   | 200<br>[7.874]                  |
| 7               | 147.5<br>[5.807] | 200<br>[7.874]  | 165.5<br>[6.516]   | 225<br>[8.858]                  |
| 8               | 158.0<br>[6.220] | 225<br>[8.858]  | 176.0<br>[6.929]   | 225<br>[8.858]                  |
| 9               | 168.5<br>[6.634] | 225<br>[8.858]  | 186.5<br>[7.343]   | 250<br>[9.843]                  |
| 10              | 179.0<br>[7.047] | 225<br>[8.858]  | 197.0<br>[7.756]   | 250<br>[9.843]                  |
| 11              | 189.5<br>[7.461] | 250<br>[9.843]  | 207.5<br>[8.169]   | 275<br>[10.827]                 |
| 12              | 200.0<br>[7.874] | 250<br>[9.843]  | 218.0<br>[8.583]   | 275<br>[10.827]                 |
| 13              | 210.5<br>[8.287] | 275<br>[10.827] | 228.5<br>[8.996]   | 275<br>[10.827]                 |
| 14              | 221.0<br>[8.701] | 275<br>[10.827] | 239.0<br>[9.409]   | 300<br>[11.811]                 |
| 15              | 231.5<br>[9.114] | 300<br>[11.811] | 249.5<br>[9.823]   | 300<br>[11.811]                 |
| 16              | 242.0<br>[9.528] | 300<br>[11.811] | 260.0<br>[10.236]  | 325<br>[12.795]                 |

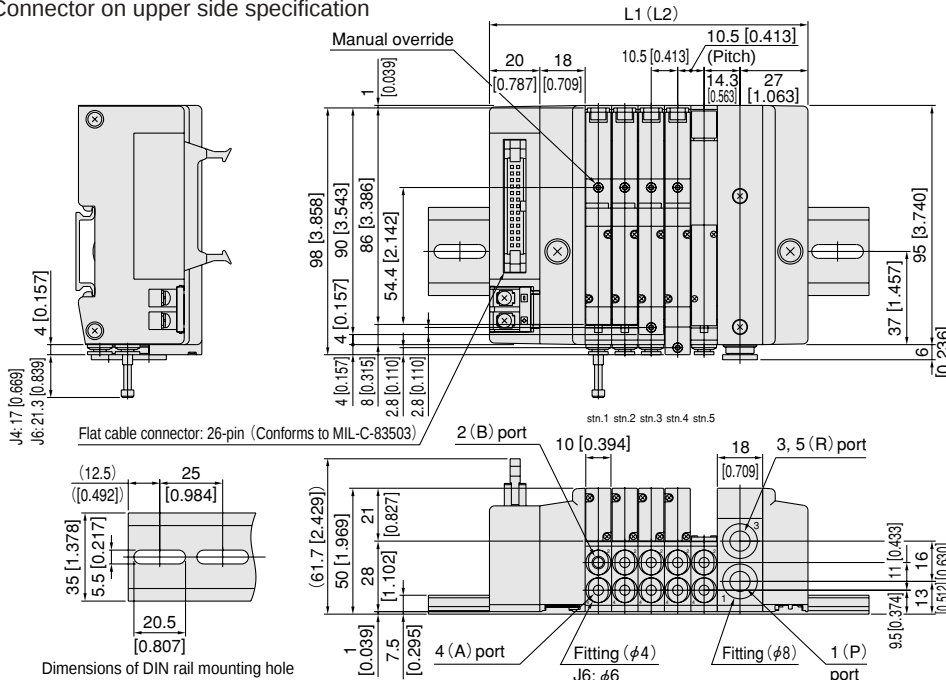
Note : When using 2 piping blocks.

## Dimensions of JA Series Split Manifold Plug-in Type mm [in.]

### CS-JAM□PJ

Flat cable connector 26-pin

Connector on upper side specification



[Installation example]

**CS-JAM5PJ-JR-F260-D4**  
 stn.1 CS-JA10A1-J4-D4  
 stn.2 CS-JA10A5-J4-D4  
 stn.3 CS-JA10A6-J4-D4  
 stn.4 CS-JA10A7-J4-D4  
 stn.5 CS-JABPP-J4

### Unit dimensions

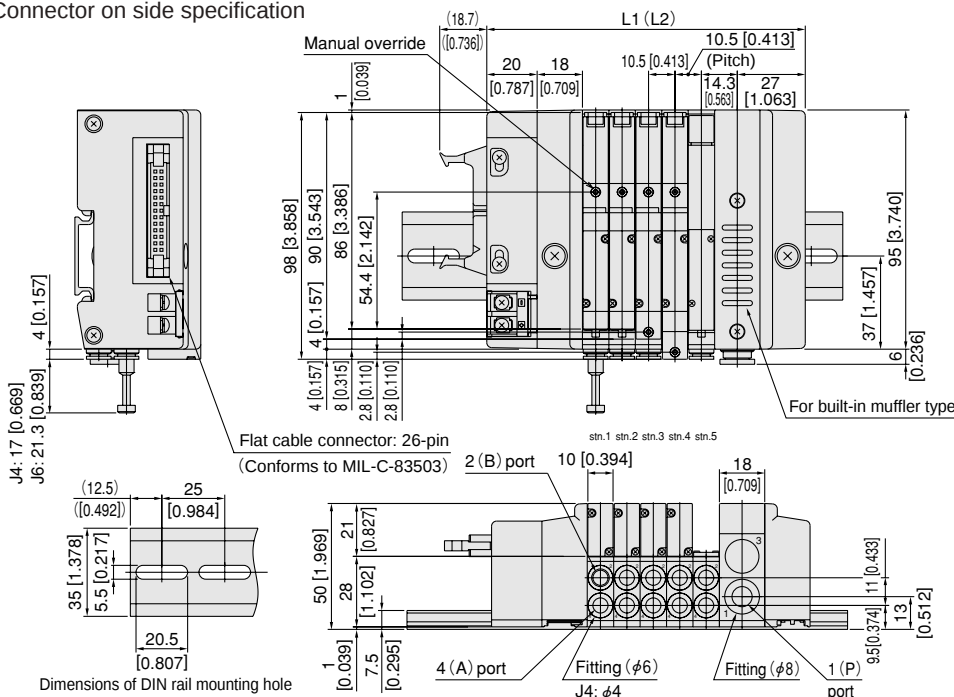
| Number of units | L1                | DIN rail length | L2 <sup>Note</sup> | DIN rail length <sup>Note</sup> |
|-----------------|-------------------|-----------------|--------------------|---------------------------------|
| 2               | 95.0<br>[3.740]   | 150<br>[5.906]  | 113.0<br>[4.449]   | 175<br>[6.890]                  |
| 3               | 105.5<br>[4.154]  | 175<br>[6.890]  | 123.5<br>[4.862]   | 175<br>[6.890]                  |
| 4               | 116.0<br>[4.567]  | 175<br>[6.890]  | 134.0<br>[5.276]   | 200<br>[7.874]                  |
| 5               | 126.5<br>[4.980]  | 175<br>[6.890]  | 144.5<br>[5.689]   | 200<br>[7.874]                  |
| 6               | 137.0<br>[5.394]  | 200<br>[7.874]  | 155.0<br>[6.102]   | 200<br>[7.874]                  |
| 7               | 147.5<br>[5.807]  | 200<br>[7.874]  | 165.5<br>[6.516]   | 225<br>[8.858]                  |
| 8               | 158.0<br>[6.220]  | 225<br>[8.858]  | 176.0<br>[6.929]   | 225<br>[8.858]                  |
| 9               | 168.5<br>[6.634]  | 225<br>[8.858]  | 186.5<br>[7.343]   | 250<br>[9.843]                  |
| 10              | 179.0<br>[7.047]  | 225<br>[8.858]  | 197.0<br>[7.756]   | 250<br>[9.843]                  |
| 11              | 189.5<br>[7.461]  | 250<br>[9.843]  | 207.5<br>[8.169]   | 275<br>[10.827]                 |
| 12              | 200.0<br>[7.874]  | 250<br>[9.843]  | 218.0<br>[8.583]   | 275<br>[10.827]                 |
| 13              | 210.5<br>[8.287]  | 275<br>[10.827] | 228.5<br>[8.996]   | 275<br>[10.827]                 |
| 14              | 221.0<br>[8.701]  | 275<br>[10.827] | 239.0<br>[9.409]   | 300<br>[11.811]                 |
| 15              | 231.5<br>[9.114]  | 300<br>[11.811] | 249.5<br>[9.823]   | 300<br>[11.811]                 |
| 16              | 242.0<br>[9.528]  | 300<br>[11.811] | 260.0<br>[10.236]  | 325<br>[12.795]                 |
| 17              | 252.5<br>[9.941]  | 300<br>[11.811] | 270.5<br>[10.650]  | 325<br>[12.795]                 |
| 18              | 263.0<br>[10.354] | 325<br>[12.795] | 281.0<br>[11.063]  | 350<br>[13.780]                 |
| 19              | 273.5<br>[10.768] | 325<br>[12.795] | 291.5<br>[11.476]  | 350<br>[13.780]                 |
| 20              | 284.0<br>[11.181] | 350<br>[13.780] | 302.0<br>[11.890]  | 350<br>[13.780]                 |

Note : When using 2 piping blocks.

### CS-JAM□PJ

Flat cable connector 26-pin

Connector on side specification



[Installation example]

**CS-JAM5PJ-MR-F260E-D4**  
 stn.1 CS-JA10A1-J6-D4  
 stn.2 CS-JA10A5-J6-D4  
 stn.3 CS-JA10A6-J6-D4  
 stn.4 CS-JA10A7-J6-D4  
 stn.5 CS-JABPP-J6

### Unit dimensions

| Number of units | L1                | DIN rail length | L2 <sup>Note</sup> | DIN rail length <sup>Note</sup> |
|-----------------|-------------------|-----------------|--------------------|---------------------------------|
| 2               | 95.0<br>[3.740]   | 150<br>[5.906]  | 113.0<br>[4.449]   | 175<br>[6.890]                  |
| 3               | 105.5<br>[4.154]  | 175<br>[6.890]  | 123.5<br>[4.862]   | 175<br>[6.890]                  |
| 4               | 116.0<br>[4.567]  | 175<br>[6.890]  | 134.0<br>[5.276]   | 200<br>[7.874]                  |
| 5               | 126.5<br>[4.980]  | 175<br>[6.890]  | 144.5<br>[5.689]   | 200<br>[7.874]                  |
| 6               | 137.0<br>[5.394]  | 200<br>[7.874]  | 155.0<br>[6.102]   | 200<br>[7.874]                  |
| 7               | 147.5<br>[5.807]  | 200<br>[7.874]  | 165.5<br>[6.516]   | 225<br>[8.858]                  |
| 8               | 158.0<br>[6.220]  | 225<br>[8.858]  | 176.0<br>[6.929]   | 225<br>[8.858]                  |
| 9               | 168.5<br>[6.634]  | 225<br>[8.858]  | 186.5<br>[7.343]   | 250<br>[9.843]                  |
| 10              | 179.0<br>[7.047]  | 225<br>[8.858]  | 197.0<br>[7.756]   | 250<br>[9.843]                  |
| 11              | 189.5<br>[7.461]  | 250<br>[9.843]  | 207.5<br>[8.169]   | 275<br>[10.827]                 |
| 12              | 200.0<br>[7.874]  | 250<br>[9.843]  | 218.0<br>[8.583]   | 275<br>[10.827]                 |
| 13              | 210.5<br>[8.287]  | 275<br>[10.827] | 228.5<br>[8.996]   | 275<br>[10.827]                 |
| 14              | 221.0<br>[8.701]  | 275<br>[10.827] | 239.0<br>[9.409]   | 300<br>[11.811]                 |
| 15              | 231.5<br>[9.114]  | 300<br>[11.811] | 249.5<br>[9.823]   | 300<br>[11.811]                 |
| 16              | 242.0<br>[9.528]  | 300<br>[11.811] | 260.0<br>[10.236]  | 325<br>[12.795]                 |
| 17              | 252.5<br>[9.941]  | 300<br>[11.811] | 270.5<br>[10.650]  | 325<br>[12.795]                 |
| 18              | 263.0<br>[10.354] | 325<br>[12.795] | 281.0<br>[11.063]  | 350<br>[13.780]                 |
| 19              | 273.5<br>[10.768] | 325<br>[12.795] | 291.5<br>[11.476]  | 350<br>[13.780]                 |
| 20              | 284.0<br>[11.181] | 350<br>[13.780] | 302.0<br>[11.890]  | 350<br>[13.780]                 |

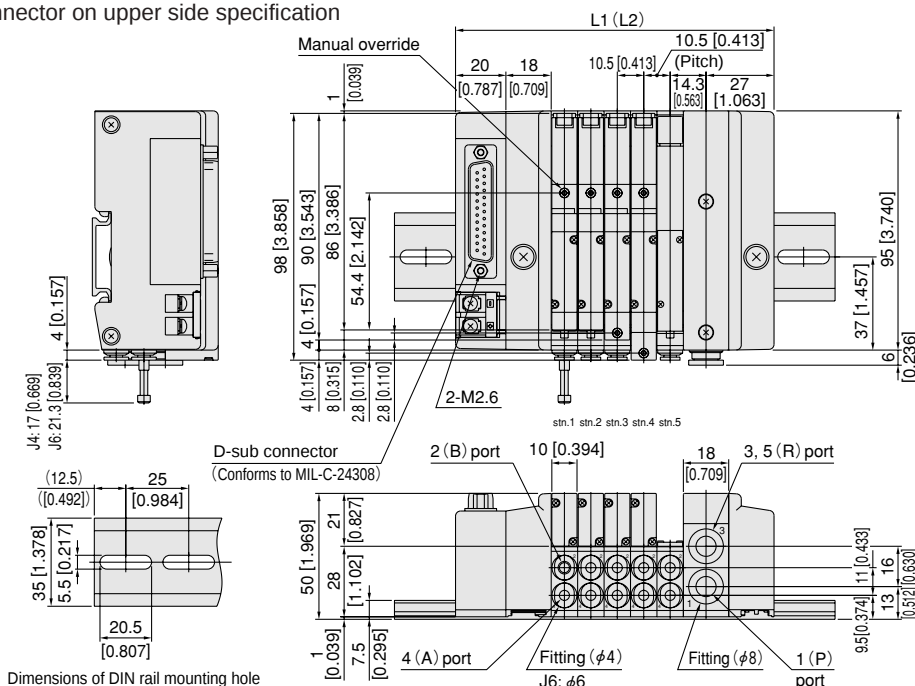
Note : When using 2 piping blocks.

## Dimensions of JA Series Split Manifold Plug-in Type mm [in.]

### CS-JAM□PJ

D-sub connector 25-pin

Connector on upper side specification



Dimensions of DIN rail mounting hole

[Installation example]

**CS-JAM5PJ-JR-D25□-D4**

stn.1 CS-JA10A1-J4-D4

stn.2 CS-JA10A5-J4-D4

stn.3 CS-JA10A6-J4-D4

stn.4 CS-JA10A7-J4-D4

stn.5 CS-JABPP-J4

### Unit dimensions

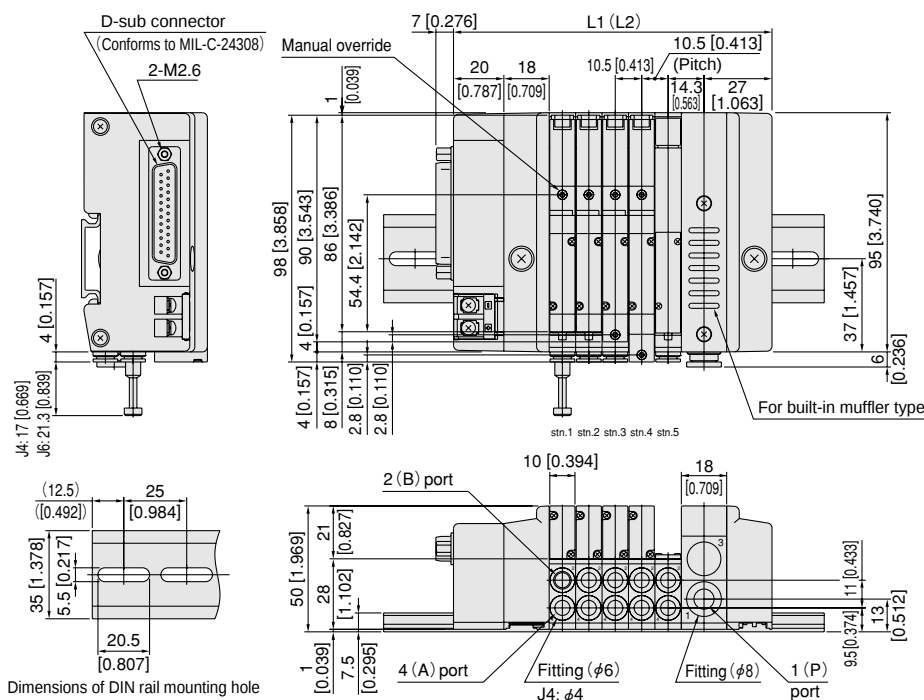
| Number of units | L1                | DIN rail length | L2 <sup>Note</sup> | DIN rail length <sup>Note</sup> |
|-----------------|-------------------|-----------------|--------------------|---------------------------------|
| 2               | 95.0<br>[3.740]   | 150<br>[5.906]  | 113.0<br>[4.449]   | 175<br>[6.890]                  |
| 3               | 105.5<br>[4.154]  | 175<br>[6.890]  | 123.5<br>[4.862]   | 175<br>[6.890]                  |
| 4               | 116.0<br>[4.567]  | 175<br>[6.890]  | 134.0<br>[5.276]   | 200<br>[7.874]                  |
| 5               | 126.5<br>[4.980]  | 175<br>[6.890]  | 144.5<br>[5.689]   | 200<br>[7.874]                  |
| 6               | 137.0<br>[5.394]  | 200<br>[7.874]  | 155.0<br>[6.102]   | 200<br>[7.874]                  |
| 7               | 147.5<br>[5.807]  | 200<br>[7.874]  | 165.5<br>[6.516]   | 225<br>[8.858]                  |
| 8               | 158.0<br>[6.220]  | 225<br>[8.858]  | 176.0<br>[6.929]   | 225<br>[8.858]                  |
| 9               | 168.5<br>[6.634]  | 225<br>[8.858]  | 186.5<br>[7.343]   | 250<br>[9.843]                  |
| 10              | 179.0<br>[7.047]  | 225<br>[8.858]  | 197.0<br>[7.756]   | 250<br>[9.843]                  |
| 11              | 189.5<br>[7.461]  | 250<br>[9.843]  | 207.5<br>[8.169]   | 275<br>[10.827]                 |
| 12              | 200.0<br>[7.874]  | 250<br>[9.843]  | 218.0<br>[8.583]   | 275<br>[10.827]                 |
| 13              | 210.5<br>[8.287]  | 275<br>[10.827] | 228.5<br>[8.996]   | 275<br>[10.827]                 |
| 14              | 221.0<br>[8.701]  | 275<br>[10.827] | 239.0<br>[9.409]   | 300<br>[11.811]                 |
| 15              | 231.5<br>[9.114]  | 300<br>[11.811] | 249.5<br>[9.823]   | 300<br>[11.811]                 |
| 16              | 242.0<br>[9.528]  | 300<br>[11.811] | 260.0<br>[10.236]  | 325<br>[12.795]                 |
| 17              | 252.5<br>[9.941]  | 300<br>[11.811] | 270.5<br>[10.650]  | 325<br>[12.795]                 |
| 18              | 263.0<br>[10.354] | 325<br>[12.795] | 281.0<br>[11.063]  | 350<br>[13.780]                 |
| 19              | 273.5<br>[10.768] | 325<br>[12.795] | 291.5<br>[11.476]  | 350<br>[13.780]                 |
| 20              | 284.0<br>[11.181] | 350<br>[13.780] | 302.0<br>[11.890]  | 350<br>[13.780]                 |

Note : When using 2 piping blocks.

### CS-JAM□PJ

D-sub connector 25-pin

Connector on side specification



Dimensions of DIN rail mounting hole

[Installation example]

**CS-JAM5PJ-MR-D25□-E-D4**

stn.1 CS-JA10A1-J6-D4

stn.2 CS-JA10A5-J6-D4

stn.3 CS-JA10A6-J6-D4

stn.4 CS-JA10A7-J6-D4

stn.5 CS-JABPP-J6

### Unit dimensions

| Number of units | L1                | DIN rail length | L2 <sup>Note</sup> | DIN rail length <sup>Note</sup> |
|-----------------|-------------------|-----------------|--------------------|---------------------------------|
| 2               | 95.0<br>[3.740]   | 150<br>[5.906]  | 113.0<br>[4.449]   | 175<br>[6.890]                  |
| 3               | 105.5<br>[4.154]  | 175<br>[6.890]  | 123.5<br>[4.862]   | 175<br>[6.890]                  |
| 4               | 116.0<br>[4.567]  | 175<br>[6.890]  | 134.0<br>[5.276]   | 200<br>[7.874]                  |
| 5               | 126.5<br>[4.980]  | 175<br>[6.890]  | 144.5<br>[5.689]   | 200<br>[7.874]                  |
| 6               | 137.0<br>[5.394]  | 200<br>[7.874]  | 155.0<br>[6.102]   | 200<br>[7.874]                  |
| 7               | 147.5<br>[5.807]  | 200<br>[7.874]  | 165.5<br>[6.516]   | 225<br>[8.858]                  |
| 8               | 158.0<br>[6.220]  | 225<br>[8.858]  | 176.0<br>[6.929]   | 225<br>[8.858]                  |
| 9               | 168.5<br>[6.634]  | 225<br>[8.858]  | 186.5<br>[7.343]   | 250<br>[9.843]                  |
| 10              | 179.0<br>[7.047]  | 225<br>[8.858]  | 197.0<br>[7.756]   | 250<br>[9.843]                  |
| 11              | 189.5<br>[7.461]  | 250<br>[9.843]  | 207.5<br>[8.169]   | 275<br>[10.827]                 |
| 12              | 200.0<br>[7.874]  | 250<br>[9.843]  | 218.0<br>[8.583]   | 275<br>[10.827]                 |
| 13              | 210.5<br>[8.287]  | 275<br>[10.827] | 228.5<br>[8.996]   | 275<br>[10.827]                 |
| 14              | 221.0<br>[8.701]  | 275<br>[10.827] | 239.0<br>[9.409]   | 300<br>[11.811]                 |
| 15              | 231.5<br>[9.114]  | 300<br>[11.811] | 249.5<br>[9.823]   | 300<br>[11.811]                 |
| 16              | 242.0<br>[9.528]  | 300<br>[11.811] | 260.0<br>[10.236]  | 325<br>[12.795]                 |
| 17              | 252.5<br>[9.941]  | 300<br>[11.811] | 270.5<br>[10.650]  | 325<br>[12.795]                 |
| 18              | 263.0<br>[10.354] | 325<br>[12.795] | 281.0<br>[11.063]  | 350<br>[13.780]                 |
| 19              | 273.5<br>[10.768] | 325<br>[12.795] | 291.5<br>[11.476]  | 350<br>[13.780]                 |
| 20              | 284.0<br>[11.181] | 350<br>[13.780] | 302.0<br>[11.890]  | 350<br>[13.780]                 |

Note : When using 2 piping blocks.

CS-JAM ☐ SJ

stn.1 CS-JA10A1-J6-D4  
stn.2 CS-JA10A5-J6-D4  
stn.3 CS-JA10A6-J6-D4  
stn.4 CS-JA10A7-J6-D4  
stn.5 CS-JABPP-J6

| Number of units | L1                | DIN rail length | L2 <sup>Note</sup> | DIN rail length <sup>Note</sup> |
|-----------------|-------------------|-----------------|--------------------|---------------------------------|
| 2               | 125.0<br>[4.921]  | 175<br>[6.890]  | 143.0<br>[5.630]   | 200<br>[7.874]                  |
| 3               | 135.5<br>[5.335]  | 200<br>[7.874]  | 153.5<br>[6.043]   | 200<br>[7.874]                  |
| 4               | 146.0<br>[5.748]  | 200<br>[7.874]  | 164.0<br>[6.457]   | 225<br>[8.858]                  |
| 5               | 156.5<br>[6.161]  | 225<br>[8.858]  | 174.5<br>[6.870]   | 225<br>[8.858]                  |
| 6               | 167.0<br>[6.575]  | 225<br>[8.858]  | 185.0<br>[7.283]   | 250<br>[9.843]                  |
| 7               | 177.5<br>[6.988]  | 225<br>[8.858]  | 195.5<br>[7.697]   | 250<br>[9.843]                  |
| 8               | 188.0<br>[7.402]  | 250<br>[9.843]  | 206.0<br>[8.110]   | 275<br>[10.827]                 |
| 9               | 198.5<br>[7.815]  | 250<br>[9.843]  | 216.5<br>[8.524]   | 275<br>[10.827]                 |
| 10              | 209.0<br>[8.228]  | 275<br>[10.827] | 227.0<br>[8.937]   | 275<br>[10.827]                 |
| 11              | 219.5<br>[8.642]  | 275<br>[10.827] | 237.5<br>[9.350]   | 300<br>[11.811]                 |
| 12              | 230.0<br>[9.055]  | 275<br>[10.827] | 248.0<br>[9.764]   | 300<br>[11.811]                 |
| 13              | 240.5<br>[9.469]  | 300<br>[11.811] | 258.5<br>[10.177]  | 325<br>[12.795]                 |
| 14              | 251.0<br>[9.882]  | 300<br>[11.811] | 269.0<br>[10.591]  | 325<br>[12.795]                 |
| 15              | 261.5<br>[10.295] | 325<br>[12.795] | 279.5<br>[11.004]  | 325<br>[12.795]                 |
| 16              | 272.0<br>[10.709] | 325<br>[12.795] | 290.0<br>[11.417]  | 350<br>[13.780]                 |

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