



Pneumatic, Vacuum and Auxiliary Components  
Catalog No. CB-024SA

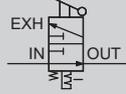
Residual pressure exhaust valve

# V1000-W/V3000-W-FP1 Series

One action exhaust operation. Ideal for preventing accidents due to residual pressure in pneumatic lines.

● Port size: Rc1/8 to Rc1/2

JISCode



## Specifications

| Item  | V1000-W        |           | V3000-W   |            |            |     |
|---|----------------|-----------|-----------|------------|------------|-----|
| Appearance  |                |           |           |            |            |     |
| Item  | V1000-6-W      | V1000-8-W | V3000-8-W | V3000-10-W | V3000-15-W |     |
| Working fluid                                     | Compressed air |           |           |            |            |     |
| Max. working pressureMPa                          | 1.0            |           |           |            |            |     |
| Proof pressure MPa                                | 1.5            |           |           |            |            |     |
| Ambient/fluid temperatures °C                     | 5 to 60        |           |           |            |            |     |
| Operation lever switching angle                   | 90°            |           |           |            |            |     |
| Operating force                                   | Pushing forceN | 18        | 80        |            |            |     |
|   | Torque N·m     | 0.5       | 2         |            |            |     |
| Valve section leakage cm <sup>3</sup> /min (ANR)  | 10             |           |           |            |            |     |
| External leakagecm <sup>3</sup> /min (ANR)        | 10             |           |           |            |            |     |
| Port size   | IN/OUT         | 1/8       | 1/4       | 1/4        | 3/8        | 1/2 |
|   | EXH            | Rc1/8     |           | Rc3/8      |            |     |
| Weight kg   | 0.17           |           | 0.25      |            |            |     |
| Effective cross-sectional area (mm <sup>2</sup> ) | IN/OUT         | 15        | 18        | 40         | 70         | 85  |
|   | OUT / EXH      | 5         |           | 40         | 50         | 50  |

## Option weight

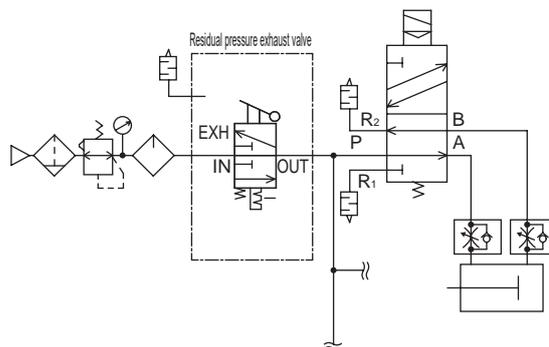
\* Add to the weight of the standard accessories.

Unit: kg

| Code  | Attachment |      |      |      |      |      |       |
|-------|------------|------|------|------|------|------|-------|
|       | A6W        | A8W  | A10W | A15W | A20W | BW   | S     |
| V1000 | 0.09       | 0.09 | 0.09 | 0.16 | 0.16 | 0.1  | 0.004 |
| V3000 |            | 0.16 | 0.16 | 0.16 | 0.16 | 0.17 | 0.015 |

## Applications

Comment: When repairing or adjusting solenoid valves, air cylinders, etc., work is performed after the compressed air in the pneumatic circuit is discharged by the residual pressure discharge valve to ensure safety.



### How to order

● F.R.L.1000 Series

**V1000** - **6** - **W** - ○ - ○ - **FP1** - **A6W**

F.R.L. 3000, 4000 Series

**V3000** - **8** - **W** - ○ - ○ - **FP1** - **A6W**

**A** Model No.

**B** Port size

**C** Option

**D** Display unit

**E** Attachment

|                            |                                    | <b>A Model No.</b> |              |
|----------------------------|------------------------------------|--------------------|--------------|
|                            |                                    | <b>V1000</b>       | <b>V3000</b> |
| Code                       | Description                        |                    |              |
| <b>B Port size</b>         |                                    |                    |              |
| <b>6</b>                   | Rc1/8                              | ●                  |              |
| <b>8</b>                   | Rc1/4                              | ●                  | ●            |
| <b>10</b>                  | Rc3/8                              |                    | ●            |
| <b>15</b>                  | Rc1/2                              |                    | ●            |
| <b>C Option</b>            |                                    |                    |              |
| <b>Blank</b>               | Standard flow (left → right)       | ●                  | ●            |
| <b>X1</b>                  | IN/OUT reverse flow (right → left) | ●                  | ●            |
| <b>D Display unit</b>      |                                    |                    |              |
| <b>Blank</b>               | MPa display, Rc thread             | ●                  | ●            |
| <b>E Other attachments</b> |                                    |                    |              |
|                            |                                    | *1, *2             |              |
| <b>Blank</b>               | Without accessories                | ●                  | ●            |
| <b>A6W</b>                 | Rc1/8 pipe adaptor set             | ●                  |              |
| <b>A8W</b>                 | Rc1/4 pipe adaptor set             | ●                  | ●            |
| <b>A10W</b>                | Rc3/8 pipe adaptor set             | ●                  | ●            |
| <b>A15W</b>                | Rc1/2 pipe adaptor set             |                    | ●            |
| <b>A20W</b>                | Rc3/4 pipe adaptor set             |                    | ●            |
| <b>BW</b>                  | C-bracket                          | ●                  | ●            |
| <b>S</b>                   | Silencer                           | ●                  | ●            |

### ⚠ Precautions for model No. selection

\*1: The pipe adaptor set and C type bracket cannot be used together.

\*2: The joiner set is attached with the pipe adapter set.

⚠ Select the reverse regulator (R\*100-W) or reverse filter regulator (W\*100-W) when installing the V\*000-W onto the primary side of the regulator or filter regulator.

For dimensions, refer to the V1000/V3000 Series in "Pneumatic, Vacuum and Auxiliary Components (CB-024SA)".

FP1

FP2

Electric actuator

Pneumatic cylinders

Assistive device

Pneumatic valves

F.R.L./Auxiliary Components Electronic Component

Vacuum components

Main line components

Fluid control valves

Main line components

Anti-bacterial/bacteria-removing filter

Vacuum components

Fluid control valves



Pneumatic, Vacuum and Auxiliary Components  
Catalog No. CB-024SA

Residual pressure exhaust valve with locking hole (OSHA compliant)

# V3010-W/V6010-W-FP1 Series

Ideal for preventing accidents due to residual pressure in pneumatic lines.

● Port size: Rc1/4 to Rc1



## Specifications

| Item  | V3010-8-W       | V3010-10-W | V3010-15-W | V6010-20-W | V6010-25-W |     |
|---|-----------------|------------|------------|------------|------------|-----|
| Working fluid                                     | Compressed air  |            |            |            |            |     |
| Max. working pressure MPa                         | 1.0             |            |            |            |            |     |
| Proof pressure MPa                                | 1.5             |            |            |            |            |     |
| Ambient/fluid temperatures °C                     | 5 to 60         |            |            |            |            |     |
| Operation lever switching angle                   | 90°             |            |            |            |            |     |
| Operating force                                   | 80 or less      |            |            |            |            |     |
|   | Pushing force N |            |            |            |            |     |
| Torque N·m  | 2.5 or less     |            |            |            |            |     |
| Valve seat leakage Re cm <sup>3</sup> /min (ANR)  | 10 or less      |            |            |            |            |     |
| External leakage cm <sup>3</sup> /min (ANR)       | 10 or less      |            |            |            |            |     |
| Port size   | IN/OUT          | 1/4        | 3/8        | 1/2        | Rc 3/4     | Rc1 |
|   | EXH             | 3/8        |            |            | Rc1/2      |     |
| Weight kg   | 0.3             |            |            | 0.8        |            |     |
| Effective cross-sectional area (mm <sup>2</sup> ) | IN→OUT          | 40         | 70         | 85         | 145        | 150 |
|   | OUT→EXH         | 40         | 50         | 50         | 105        | 110 |

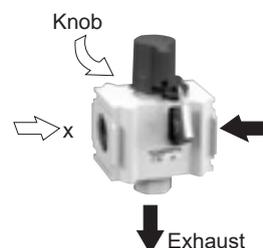
## How to use

● Regular use



● During maintenance

A lock is set where residual pressure is released.



## OSHA (Occupational Safety and Health Administration)

OSHA establishes the US safety standards for employees.

### [Lockout/Tagout Regulation]

When conducting maintenance on machinery, the air source shall be closed with a shut-off valve, and the residual pressure exhaust valve shall be discharged. If a third party inadvertently operates the valve during such operation and compressed air is applied, the cylinder, etc., could move suddenly and injure personnel. This standard states that, "All valves used for such purposes shall have a key or a structure which can be locked with a key."

## How to order

● For SELEX F.R.L2000., 3000, 4000 Series

**V3010 - 8 - W - FP1 - A8W**

F.R.L. 6000, 8000 Series

**V6010 - 20 - W - FP1 - A20W**  
(White)

**A** Model No.

**B** Port size

**C** Option

**D** Attachment

## ⚠ Precautions for model No. selection

\*1: The pipe adaptor set and C type bracket cannot be used together.

\*2: The joiner set is attached with the pipe adapter set.

⚠ Select the reverse regulator (R\*100-W) or reverse filter regulator (W\*100-W) when installing the V\*010-W onto the primary side of the regulator or filter regulator.

## Option weight

\* Add to the weight of the standard accessories. Unit: kg

| Code  | Attachment |      |      |      |      |      |      |       |
|-------|------------|------|------|------|------|------|------|-------|
|       | A8W        | A10W | A15W | A20W | A25W | A32W | BW   | S     |
| V3010 | 0.16       | 0.16 | 0.16 | 0.16 | 0.16 |      | 0.17 | 0.015 |
| V6010 |            |      |      | 0.53 | 0.53 | 0.53 | 0.34 | 0.02  |

| Code                              | Description                        | A Model No. |       |
|-----------------------------------|------------------------------------|-------------|-------|
|                                   |                                    | V3010       | V6010 |
| <b>B Port size</b>                |                                    |             |       |
| 8                                 | Rc1/4                              | ●           |       |
| 10                                | Rc3/8                              | ●           |       |
| 15                                | Rc1/2                              | ●           |       |
| 20                                | Rc3/4                              |             | ●     |
| 25                                | Rc1                                |             | ●     |
| <b>C Option</b>                   |                                    |             |       |
| Blank                             | No                                 | ●           | ●     |
| X1                                | IN/OUT reverse flow (right → left) | ●           | ●     |
| <b>D Other attachments</b> *1, *2 |                                    |             |       |
| Blank                             | Without accessories                | ●           | ●     |
| A8W                               | Rc1/4 pipe adaptor set             | ●           |       |
| A10W                              | Rc3/8 pipe adaptor set             | ●           |       |
| A15W                              | Rc1/2 pipe adaptor set             | ●           |       |
| A20W                              | Rc3/4 pipe adaptor set             | ●           | ●     |
| A25W                              | Rc1 pipe adaptor set               | ●           | ●     |
| A32W                              | Rc1 1/4 pipe adaptor set           |             | ●     |
| BW                                | C-bracket                          | ●           | ●     |
| S                                 | Silencer                           | ●           | ●     |

For dimensions, refer to the V3010/V6010 Series in "Pneumatic, Vacuum and Auxiliary components (CB-024SA)".