

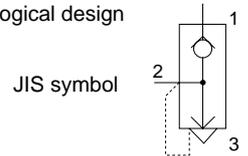
Quick exhaust valve QEV2 Series

New Product



Features

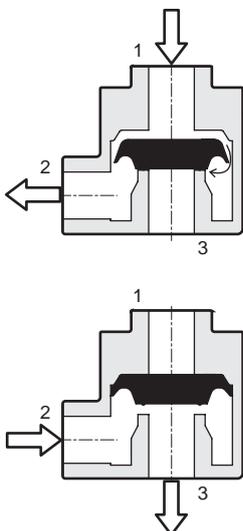
- Outstanding exhaust characteristics are achieved with the large flow rate design.
- Port size variation
Port sizes; Rc1/8 to Rc1 are available.
- Various options
 - Fluoro rubber specifications joined in option
 - Mounting bracket is available (small bore size type)
- Ecological products
 - Lead and hexavalent chrome-free ecological design
 - Painting free
 - Easy sorting materials



Specifications

Model no.	QEV2-6	QEV2-8	QEV2-10	QEV2-15	QEV2-20	QEV2-25
Descriptions						
Working fluid	Compressed air					
Max. working pressure MPa	1.0					
Min. working pressure MPa	0.05					
Withstanding pressure MPa	1.5					
Fluid temperature range °C	5 to 60					
Ambient temperature range °C	0 to 60 (no freezing)					
Port size	1, 2	1/8	1/4	3/8	1/2	3/4
	Rc 3	1/4	1/4	1/2	1/2	1
Product weight g	80	78	250	250	710	660
Mounting attitude	Free					
Effective sectional area mm ²	1 to 2	25	35	90	105	205
	2 to 3	30	40	100	115	280

Operational explanation

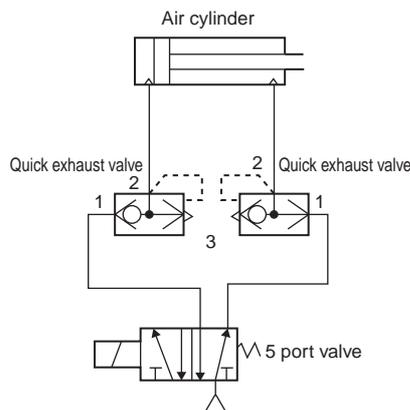


● 1 to 2
The pressure from port 1 results in the close of port 3, and the air flows to port 2 after passing around the valve.

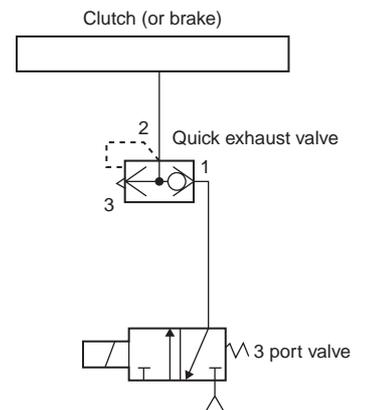
● 2 to 3
The lowered pressure of port 1 results in the close of port 1, then port 3 is opened to exhaust air from port 2.

Applications

(A) Usage for quicker exhaust of air cylinder



(B) Usage for quicker exhaust of clutch (or brake)



Refer to the "safety precautions" on the back before operating.

CKD Corporation

CC-776A

QEV2 Series

How to order

● Quick exhaust valve

QEV2 - 6 - A P

Model no.

A Port size

B Option

C Accessory

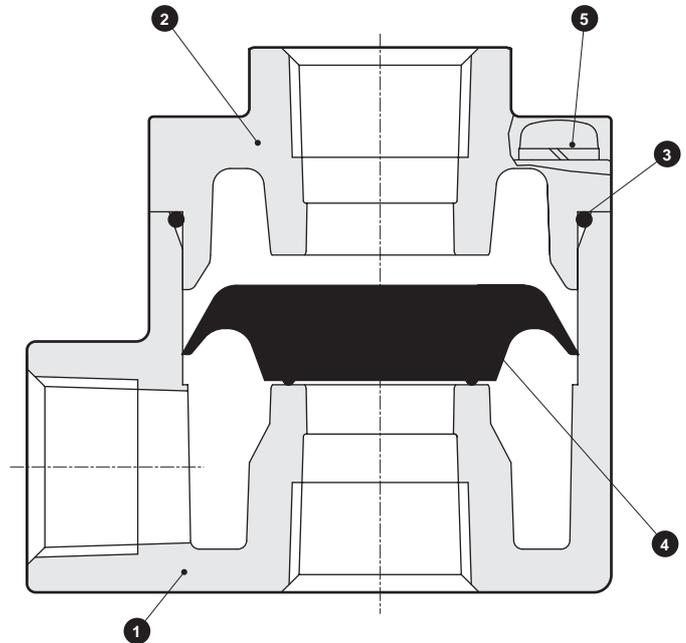
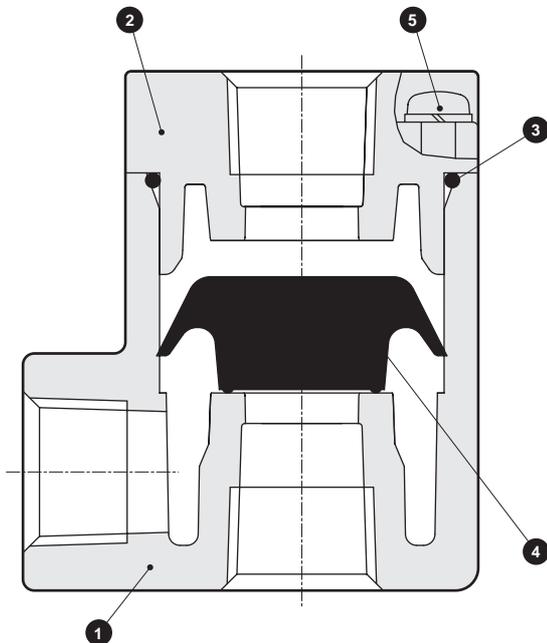
Symbol	Descriptions
A Port size	
6	Rc 1/8
8	Rc 1/4
10	Rc 3/8
15	Rc 1/2
20	Rc 3/4
25	Rc 1
B Option	
Blank	No option
A	Fluoro rubber specifications
C Accessory	
Blank	None
P	Mounting bracket attached

Note 1: The Mounting bracket attachment comes with QEV2-6 and QEV2-8.

Internal structure and parts list

● QEV2-6/8

● QEV2-10/15/20/25

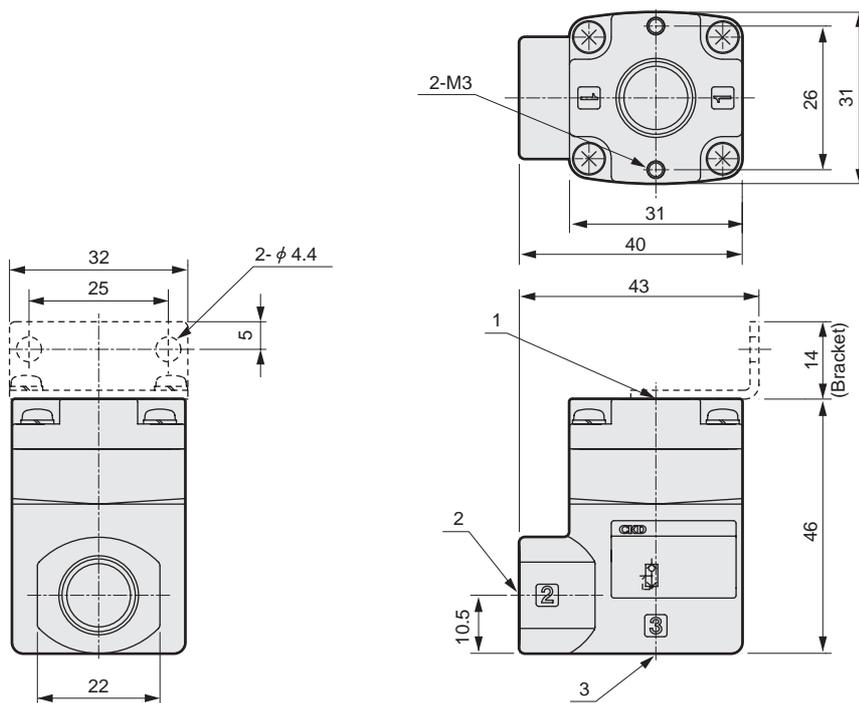


No.	Parts name	Material
1	Body	Aluminum alloy die-casting
2	Plug	Aluminum alloy die-casting
3	O ring	Nitrile rubber (fluoro rubber)
4	Valve	Hydrogen nitrile rubber (fluoro rubber)
5	Cross headed pan screw with SW	Stainless steel

* The value in () is for option "A" (fluoro rubber specifications).

Dimensions

● QEV2-6/8

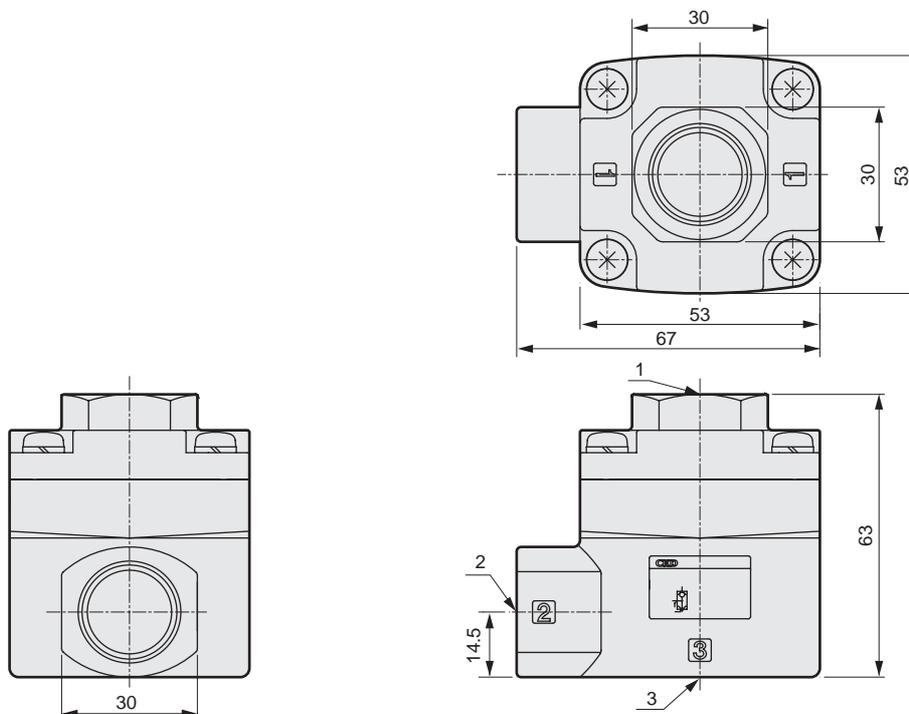


Model no.	Port position		
	1	2	3
QEV2-6	Rc 1/8		Rc 1/4
QEV2-8	Rc 1/4		

(Piping port indication)

Port symbol	Descriptions
1	IN (input)
2	OUT (output)
3	EXH (exhaust)

● QEV2-10/15



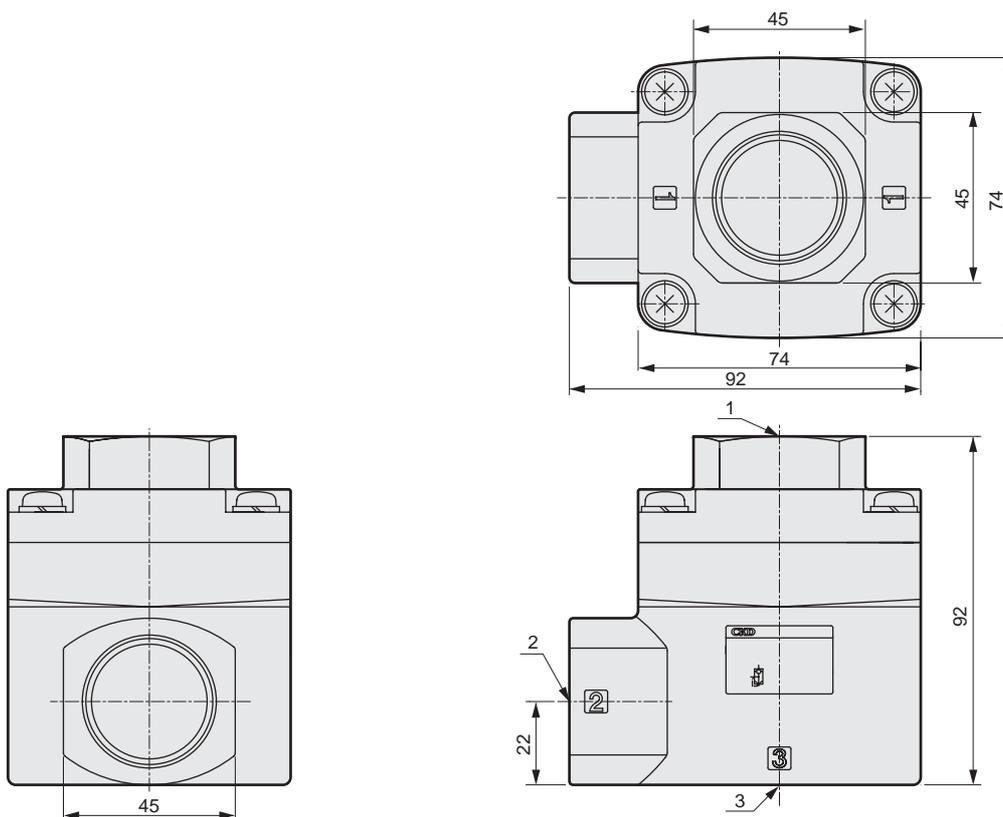
Model no.	Port position		
	1	2	3
QEV2-10	Rc 3/8		Rc 1/2
QEV2-15	Rc 1/2		

(Piping port indication)

Port symbol	Descriptions
1	IN (input)
2	OUT (output)
3	EXH (exhaust)

Dimensions

● QEV2-20/25



(Piping port indication)

Model no.	Port position		
	1	2	3
QEV2-20	Rc 3/4		Rc 1
QEV2-25	Rc 1		

Port symbol	Descriptions
1	IN (input)
2	OUT (output)
3	EXH (exhaust)

! Refer to the "safety precautions" in catalog [Pneumatic, vacuum, auxiliary components (No. CB-24SA)] as well.

■ Design & Selection

- This valve can not be used as a stop valve that has no leakage. Due to its property, this product has some leakage.
- Although free installation attitude, the operation could be slow with low pressure differential (0.05 MPa or less).

■ Installation & Adjustment

- Apply with recommended tightening torque when connecting pipes to prevent damage of screw and air leakage.
 - Tighten by hand first, then use a tool to prevent damage on screw thread.
 - Do not tighten screws as applying pressure.
- Install an air filter just before the pneumatic component in the circuit.

(Recommended tightening torque)

	Tightening torque N·m
Rc 1/8	3 to 5
Rc 1/4	6 to 8
Rc 3/8	13 to 15
Rc 1/2	16 to 18
Rc 3/4	19 to 40
Rc 1	41 to 70

■ During Use & Maintenance

- Stop applying air and make sure of no residual pressure when replacing tube.

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