

## PHV series



### Specification

Operating pressure	0~9kgf/cm <sup>2</sup> (0~0.9MPa)
Negative pressure	-750mmHg(10Torr)
Proof pressure	1.5MPa
Temperature range(°C)	0~60
Applicable tubing	Nylon or Polyurethane
Color	Grey/Black

### Table for interface port and tube O.D.

Product series	Port size			
	Φ6	Φ8	Φ10	Φ12
PHV	●	●	●	●

### Inner structure

Model: PHV

NO.	Name	Material
1	Knob	POM
2	Fixing ring	Aluminum alloy
3	Spool	Aluminum alloy
4	Cam groove block	POM
5	Pin	Stainless steel
6	Plastic body	PBT
7	Locating block	Aluminum alloy
8	Spacer	POM
9	Special shape O-ring	NBR
10	Spacer ring	Aluminum alloy
11	Special shape O-ring	NBR
12	Locating seat	POM
13	Spring gasket	Stainless steel
14	Locating ring	Aluminum alloy
15	Plastic interface	POM

### Symbol



### Product feature

- When the three-way valve is closed, the outlet pressure is released, which facilitates in commissioning and maintenance.
- The finger valve has excellent flow characteristic and high sensitive anti-direction characteristic.

### Ordering code

**PHV 6 A □**

- Fitting type**  
PHV: Finger valve
- Standard color**

Standard color	Specification
Blank: Gray	Release button: Gray Body: Gray
D: Black	Release button: Black Body: Black
- Port size**

6: Φ6mm
8: Φ8mm
10: Φ10mm
12: Φ12mm
- Valve specification**
  - A: Three-way**  
Knob identifier "A"
  - B: Two-way**  
Knob identifier "B"

### Dimensions

Model: PHV

Model\Item	ΦD	A	B	C	ΦP	K	E	ΦJ	JB	JC
PHV6□	6	51.5	17	40.5	12.5	16.5	10	4.3	8	18
PHV8□	8	58.5	18	42.5	15	18.5	11.5	4.3	8.5	19
PHV10□	10	66	21	42	18	21	11	4.3	11	24
PHV12□	12	71	22	46	21	23	13	4.3	11	24

Note: □ indicates "A" or "B", "A" indicates three-way, and "B" indicates two-way.  
The two kinds of valve have same dimensions.

### Diagram of finger valve in the open and closed states

<p><b>Closed state</b></p> <p>Valve is closed, when the angle between the arrow on knob and the arrow on valve body is 90 degree</p> <p>Air inlet</p> <p>Air outlet</p>	<p>When the three-way valve is closed, the outlet pressure is released, which facilitates in commissioning and maintenance. (as figure below)</p> <p>Close</p> <p>Exhaust</p>
<p><b>Opened state</b></p> <p>Valve is open, when the direction of the arrow on commutation knob is consistent with that on valve body.</p> <p>Air inlet</p> <p>Air outlet</p>	<p>Inlet</p> <p>Outlet</p>

