

# CHECK VALVES

## Application

- Check Valves permit airflow in one direction.
- Used for maintaining the output pressure at a constant level.

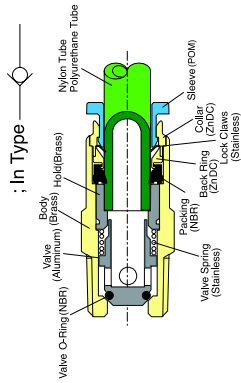
## Feature

- The check valves permit the airflow in one direction but stops in the reverse direction.
- The check valve works at the pressure of 0.1 kgf/cm<sup>2</sup>, keeps 1.42 PSI in vacuum and connects at a low pressure.

## Specification

Fluid	Air (No other gases or liquids)
Working Pressure Range	0~150PSI 0~9(kgf/cm <sup>2</sup> )0~900(KPa)
Negative Pressure	-29.50 in Hg -750mmHg(10Torr)
Temperature Range	32~140° F 0~60° C
Applicable Tube Material	Polyurethane and Nylon

## Structural Diagram



## Product Code System

### PCVC 06-01 A

(1) Type	(2) Tube Dia (ØD)	(3) Thread Size(T)	(4) Meter IN	(5) Meter OUT
Code	04 06 08 10 12	Code	06 08 10 12	Code
Dia	24 26 28 30 32	Size	26 28 30 32	Size
			M5 M6 M8 X1.0 R1/8 R1/4 R3/8	R1/2 R1/2

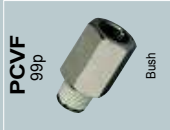
## ④Control Method

Type	Meter IN	Meter OUT
Air Flow	Thread to Tube	Tube to Thread
PCVC		
PCVF		
PCVU		

In case of PCVU model, you should pipe according to signal of the body.

⑤U : Hexagon flat-to-flat inch specification (NPT)

# Check Valves



## Fitting with G Thread (O-Ring)



## Check Valves

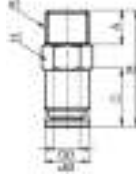
### ⚠ CAUTION

- Be sure to read the "Common Precautions" and "Using Precautions of Fitting Series" (PG) before using.
- Be sure to confirm the direction of the stop instrument. Reverse direction will not allow airflow.

### ⚠ WARNING

- Be careful of a scald by the heat generation on the body for the high frequency of stop circulation effect.

# PCVC



MODEL [ØD-T]

Tube (Metric) - Thread (R)

MODEL	ØD	R
PCVC 04-M5	4	M5
PCVC 04-M6	4	M6
PCVC 04-01	4	R1/8
PCVC 06-01	6	R1/8
PCVC 06-02	6	R1/4
PCVC 08-01	8	R1/8
PCVC 08-02	8	R1/4
PCVC 10-03	10	R3/8
PCVC 10-04	10	R1/2
PCVC 12-03	12	R3/8
PCVC 12-04	12	R1/2

Tube (Inch) - Thread (NPT)

MODEL	ØD	R
PCVC 532-U10U	532	UNF10 * 32
PCVC 532-N01U	532	NPT1/8
PCVC 3/16-U10U	3/16	UNF10 * 32
PCVC 3/16-N01U	3/16	NPT1/8
PCVC 3/16-N02U	3/16	NPT1/4
PCVC 1/4-N01U	1/4	NPT1/8
PCVC 1/4-N02U	1/4	NPT1/4
PCVC 5/16-N01U	5/16	NPT1/8
PCVC 5/16-N02U	5/16	NPT1/4
PCVC 3/8-N03U	3/8	NPT3/8
PCVC 3/8-N04U	3/8	NPT1/2
PCVC 1/2-N03U	1/2	NPT3/8
PCVC 1/2-N04U	1/2	NPT1/2

# PCVF



MODEL [ØD-T]

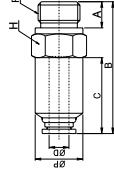
Tube (Metric) - Thread (R)

MODEL	R	Rc
PCVF 01-01	R1/8	Rc1/8
PCVF 02-02	R1/4	Rc1/4
PCVF 03-03	R3/8	Rc3/8
PCVF 04-04	R1/2	Rc1/2

Tube (Inch) - Thread (NPT)

MODEL	R	Rc
PCVF N01-N01U	NPT1/8	NPT1/8
PCVF N02-N02U	NPT1/4	NPT1/4
PCVF N03-N03U	NPT3/8	NPT3/8
PCVF N04-N04U	NPT1/2	NPT1/2

# PCVC-G

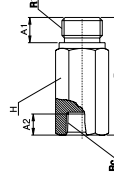


MODEL [ØD-T]

Tube (Metric) - Thread (G)

MODEL	ØD	R
PCVC 04-G01	4	G1/8
PCVC 06-G01	6	G1/8
PCVC 06-G02	6	G1/4
PCVC 08-G01	8	G1/8
PCVC 08-G02	8	G1/4
PCVC 10-G03	10	G3/8
PCVC 10-G04	10	G1/2
PCVC 12-G03	12	G3/8
PCVC 12-G04	12	G1/2

# PCVF-G

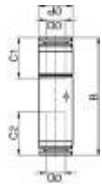


MODEL [ØD-T]

Tube (Metric) - Thread (G)

MODEL	R	Rc
PCVF G01-G01	G1/8	G1/8
PCVF G02-G02	G1/4	G1/4
PCVF G03-G03	G3/8	G3/8
PCVF G04-G04	G1/2	G1/2

**PCVU**  
Union Straight



MODEL [ØD-T]

MODEL	Tube (Metric) - Thread (R)	ØD
PCVU 04	4	4
PCVU 06	6	6
PCVU 08	8	8
PCVU 10	10	10
PCVU 12	12	12

Tube (Inch) - Thread (NPT)

MODEL	Tube (Inch) - Thread (NPT)	ØD
PCVU 5/32	5/32	5/32
PCVU 3/16	3/16	3/16
PCVU 1/4	1/4	1/4
PCVU 5/16	5/16	5/16
PCVU 3/8	3/8	3/8
PCVU 1/2	1/2	1/2