

Metric Size R(PT) Thread Type

- One -Touch Fittings
- Compact One -Touch Fittings
- Speed Controllers
- Metal Body Speed Controllers
- Rotary Joints
- Stop Fittings
- **Check Valves**
- Ball Valves
- Main Blocks
- Hand Valves
- Hand Slide Valves
- Two-Touch Fittings

CHECK VALVES

Application

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

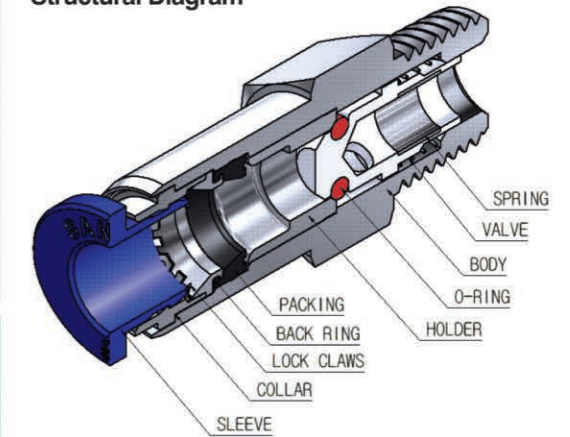
Feature

- The check valves permit the airflow in one direction but stops in the reverse direction.
- The check valve works at the pressure of 0.1kgf/cm², keeps 1.42 PSI in vacuum and connects at a low pressure.

Specification

Fluid	AIR (No other gases or liquids)	
Working Pressure Range	0~284PSI	0 ~ 20Kgf/cm ² (0~1960kPa)
Negative Pressure	-29.50 in Hg	-750mmHg(10Torr)
Temperature Range	32~176° F	0~80° C
Applicable Tube Material	Polyurethane and Nylon	

Structural Diagram



Product Code System

GPCVC 06-01 0

① ② ③ ④

- ① Type
- ② Tube Dia(∅D)

Code	04	06	08	10	12
Dia	∅4	∅6	∅8	∅10	∅12

- ③ Thread Size(T)

Code	Metric Size		Taper Pipe Thread			
	M5	M6	01	02	03	04
Size	M5×0.8	M6×1.0	R1/8	R1/4	R3/8	R1/2

- ④ Control Method

Type	Meter IN Thread to Tube	Meter OUT Tube to Thread
PCVC		
PCVF		
PCVU		In case of PCVU model, you should pipe according to signal of the body.

⚠ CAUTION

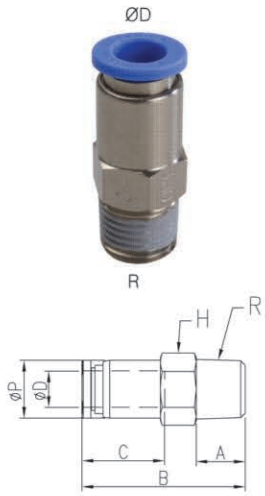
- Be sure to read the "Common Precautions" and "Using Precautions of Fitting Series" (P12) before using.
- Be sure to confirm the direction of the stop instrument. Reverse direction will not allow airflow.

⚠ WARNING

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

GPCVC

Straight

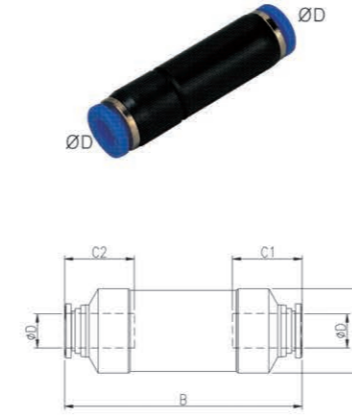


MODEL [ØD-T] Tube (Metric) - Thread (R)

MODEL	ØD	R	H	C	ØP	B	A	W.G(g)	Qty/Inbox
GPCVC 04M5	4	M5	9	16	8.8	31.3	5.4	9.7	100
GPCVC 04M6	4	M6	9	16	8.8	32.3	6.4	10.1	100
GPCVC 0401	4	R1/8	10	16	8.8	25.9	8	10.8	100
GPCVC 0601	6	R1/8	12	17	11	32.25	8	13.6	100
GPCVC 0602	6	R1/4	14	17	11	32.25	11	22	50
GPCVC 0801	8	R1/8	14	18.5	13	32.6	8	18.1	50
GPCVC 0802	8	R1/4	14	18.5	13	36.6	11	21.6	50
GPCVC 1003	10	R3/8	24	21	25	60.7	12	43	20
GPCVC 1004	10	R1/2	27	21	28	66.5	15	54.2	20
GPCVC 1203	12	R3/8	24	22	25	63.5	12	48.1	20
GPCVC 1204	12	R1/2	27	22	28	69.5	15	61.1	20

GPCVU

Union Straight



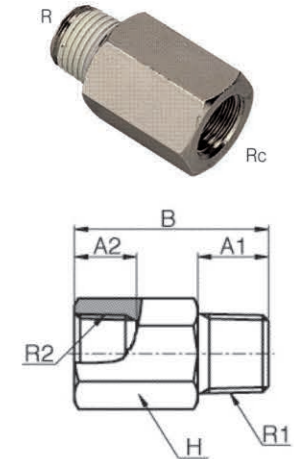
MODEL [ØD-T] Tube (Metric) - Thread (R)

MODEL	ØD	C1	C2	ØP	B	W.G(g)	Qty/Inbox
GPCVU 04	4	16	16	10	40.4	4.9	100
GPCVU 06	6	17	17	11.2	47.7	7.5	50
GPCVU 08	8	18.5	18.5	13.6	50.4	11.7	50
GPCVU 10	10	21	21	25	71.5	56	25
GPCVU 12	12	22	22	25	77	63	25

*Ø10 이상은 알루미늄 재질

PCVVF

Buch



MODEL [ØD-T] Tube (Metric) - Thread (R)

MODEL	R1	R2	H	A1	A2	B	W.G(g)	Qty/Inbox
PCVVF 01-01	R1/8	Rc1/8	14	6	9	22.8	21.2	100
PCVVF 02-02	R1/4	Rc1/4	17	8	11	28.5	37.8	50
PCVVF 03-03	R3/8	Rc3/8	24	10	13	54.3	53	25
PCVVF 04-04	R1/2	Rc1/2	27	12	16	63.1	61.3	25

Metric Size G(PF) Thread Type

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- Speed Controllers
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- Rotary Joints
- Stop Fittings
- **Check Valves**
- Ball Valves
- Hand Valves

CHECK VALVES

Application

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

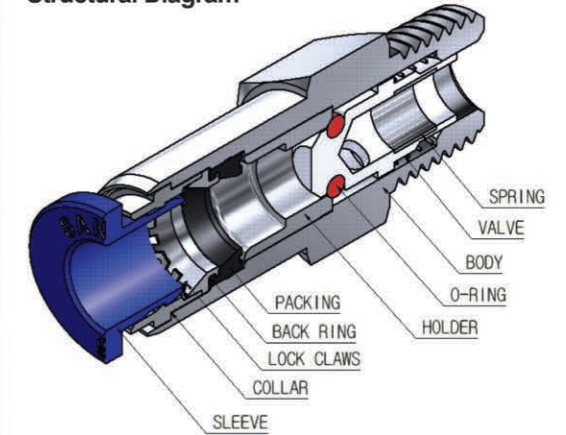
Feature

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Specification

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Temperature Range	32~176° F	0~80° C
Applicable Tube Material	Polyurethane and Nylon	

Structural Diagram



Product Code System

GPCVC O6 - G01 O

① Type	② Tube Dia(∅D)	③ Thread Size(T)	④ Control Method
Code	04 06 08 10 12	Code	
Dia	∅4 ∅6 ∅8 ∅10 ∅12	Size	
		Code	
		Size	
		Metric Size	Taper Pipe Thread
		M5 M6	G01 G02 G03 G04
		M5 × 0.8 M6 × 1.0	R1/8 R1/4 R3/8 R1/2
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.

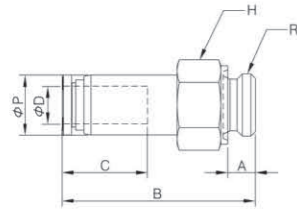
CAUTION

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- 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.

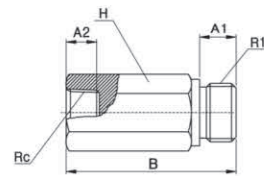
GPCVC-G
Straight



MODEL[ØD-T] Tube(Metric)-Thread(G)

MODEL	ØD	R	H	C	ØP	B	A	W.G(g)	Qty/Inbox
GPCVC 04G01	4	G1/8	14	16	8.8	25.9	5	15.5	100
GPCVC 06G01	6	G1/8	14	17	11	36.05	5	19.2	100
GPCVC 06G02	6	G1/4	17	17	11	32.25	6	28.1	50
GPCVC 08G01	8	G1/8	14	18.5	13	36.4	5	23.2	50
GPCVC 08G02	8	G1/4	17	18.5	13	41.9	6	32.8	50
GPCVC 10G03	10	G3/8	24	21	25	57.7	7	43	20
GPCVC 10G04	10	G1/2	27	21	28	63	8.5	54.2	20
GPCVC 12G03	12	G3/8	24	22	25	60.5	7	48.1	20
GPCVC 12G04	12	G1/2	27	22	28	66	8.5	61.1	20

PCVF-G
Bush



MODEL[ØD-T] Tube(Metric)-Thread(G)

MODEL	R1	Rc	H	A1	A2	B	W.G(g)	Qty/Inbox
PCVF G01-G01	G1/8	G1/8	14	6	9	22.8	22	100
PCVF G02-G02	G1/4	G1/4	17	8	11	28.5	40.5	50
PCVF G03-G03	G3/8	G3/8	24	10	13	54.3	60	25
PCVF G04-G04	G1/2	G1/2	27	12	16	63.1	80.4	25