

# 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

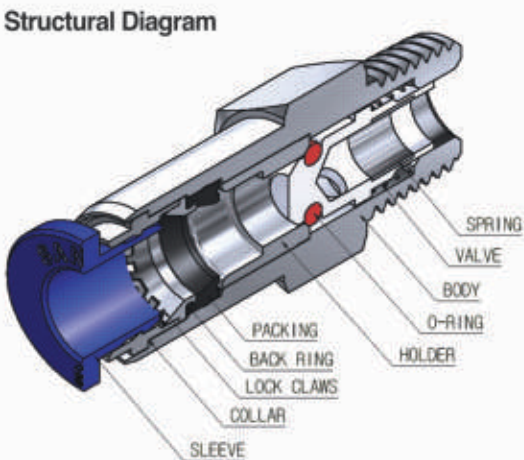
**Application**

- 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/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   | 0~284PSI                        | 0 ~ 20Kgf/cm <sup>2</sup> (0~1960kPa) |
| Negative Pressure        | -29.50 in Hg                    | -750mmHg(10Torr)                      |
| Temperature Range        | 32~176° F                       | 0~80° C                               |
| Applicable Tube Material | Polyurethane and Nylon          |                                       |



## Product Code System

GPCVC 06-01 0

① Type

② Tube Dia(∅D)

③ Thread Size(T)

④ Control Method

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

③ Thread Size(T)

|      |             |          |                   |      |      |      |
|------|-------------|----------|-------------------|------|------|------|
|      | Metric Size |          | Taper Pipe Thread |      |      |      |
| Code | 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       | 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**
- 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.