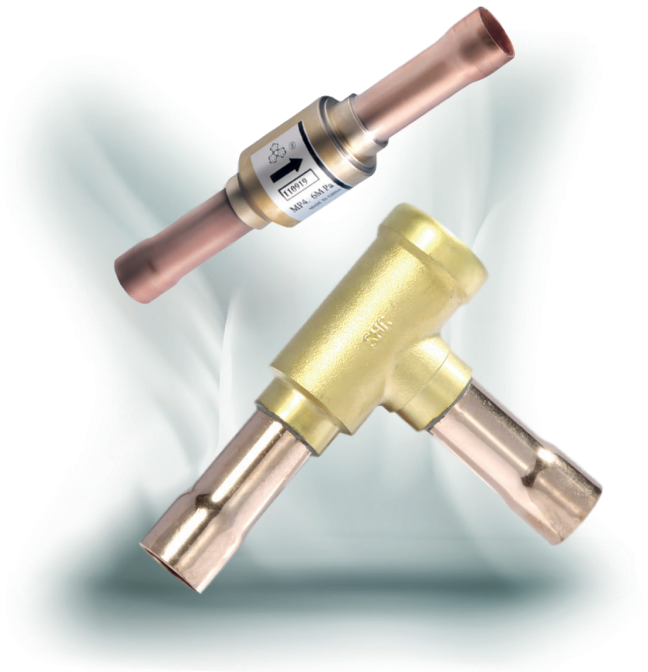




## Check Valve - Piston Type

Piston type check valves are designed for installation in commercial refrigerating systems and in residential or industrial air conditioning plants. They are used to control the unidirectional flow of refrigerant so as to prevent backflow.



### FEATURES

- THIS VALVE CAN ENSURE THE ONLY CORRECT FLOW DIRECTION
- EQUIPPED WITH DAMPING SPRING TO FREELY INSTALL THE VALVE AT POSITIONS WITH PRESSURE PULSE
- AVAILABLE IN TWO TYPES OF MODEL: STRAIGHTWAY VALVE AND L-SHAPE VALVE, EASY TO CONNECT
- SPECIAL VERSION OF CHECK VALVE EQUIPPED WITH REINFORCED SPRING AVAILABLE, APPLICABLE TO COMPRESSOR DISCHARGE PIPES IN SINGLE OR MULTI COMPRESSOR SYSTEMS (YCVSH SERIES)
- LOW PRESSURE DROP DURING OPERATION

### GENERAL SPECIFICATIONS

- Applicable for all common HCFC, HFC, HFO refrigerants such as: R22, R134a, R404A, R407C, R410A, R507A, R407A/F, R448A/R449A, R452A, R450A/R513A, R744<sup>1)</sup>
- Medium temperature TS min./max.: -50°C / +140°C
- Max. operating pressure PS: 4,6 MPa (46 bar)
- Installation position:
  - Flow direction corresponds to the arrow
  - Straight-way type: preferably installed with vertical axis and flow upwards, sloping axis up to horizontal is tolerable
  - L-shape type: flow direction from bottom to top
- Declaration according to PED

#### Note:

1) Flammable refrigerants like R32, R290, R1234ze(E), R1234yf on request

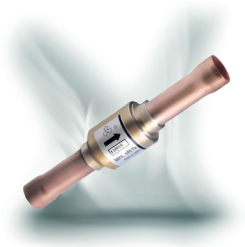
# SANHUA YCV SERIES

## Check Valve Piston Type

### GENERAL CHARACTERISTICS

| Model             | Product Number* | Type         | Connections ODF |      | Kv     | Min. OPD | Dimensions |      |      | PED category |
|-------------------|-----------------|--------------|-----------------|------|--------|----------|------------|------|------|--------------|
|                   |                 |              | Ø d             |      |        |          | ØD         | C    | E    |              |
|                   |                 |              | [inch]          | [mm] | [m³/h] | [kPa]    | [mm]       | [mm] | [mm] |              |
| YCVS 5-11GSHC-1   | 10160030202     | straight-way | -               | 6    | 0,56   | 5        | 5          | 90   | 18   | 4,3          |
| YCVS 5-22GSHC-1   | 10160024502     | straight-way | 1/4             | -    | 0,56   | 5        | 5          | 90   | 18   | 4,3          |
| YCVS 8-33GSHC-1   | 10160024602     | straight-way | 3/8             | -    | 1,43   | 5        | 8          | 110  | 18   | 4,3          |
| YCVSH 8-33GSHC-1  | 10160030502     | straight-way | 3/8             | -    | 1,43   | 15       | 8          | 110  | 18   | 4,3          |
| YCVS 8-33GSHC-2   | 10160031302     | straight-way | -               | 10   | 1,43   | 5        | 8          | 110  | 18   | 4,3          |
| YCVSH 8-33GSHC-2  | 10160033202     | straight-way | -               | 10   | 1,43   | 15       | 8          | 110  | 18   | 4,3          |
| YCVS 10-33GSHC-1  | 10160023802     | straight-way | -               | 12   | 2,1    | 5        | 10         | 130  | 22   | 4,3          |
| YCVSH 10-33GSHC-1 | 10160029102     | straight-way | -               | 12   | 2,1    | 15       | 10         | 130  | 22   | 4,3          |
| YCVS 10-44GSHC-1  | 10160023902     | straight-way | 1/2             | -    | 2,1    | 5        | 10         | 130  | 22   | 4,3          |
| YCVSH10-44GSHC-1  | 10160024802     | straight-way | 1/2             | -    | 2,1    | 15       | 10         | 130  | 22   | 4,3          |
| YCVS 13-55GSHC-1  | 10160024002     | straight-way | 5/8             | 16   | 3,9    | 5        | 13         | 140  | 28   | 4,3          |
| YCVSH 13-55GSHC-1 | 10160024902     | straight-way | 5/8             | 16   | 3,9    | 15       | 13         | 140  | 28   | 4,3          |
| YCVS 17-55GSHC-1  | 10160024202     | straight-way | -               | 18   | 5,52   | 5        | 17         | 165  | 34   | 4,3          |
| YCVSH 17-55GSHC-1 | 10160036902     | straight-way | -               | 18   | 5,52   | 15       | 17         | 165  | 34   | 4,3          |
| YCVS 17-66GSHC-1  | 10160024102     | straight-way | 3/4             | -    | 5,52   | 5        | 17         | 165  | 34   | 4,3          |
| YCVSH 17-66GSHC-1 | 10160028202     | straight-way | 3/4             | -    | 5,52   | 15       | 17         | 165  | 34   | 4,3          |
| YCVS 17-77GSHC-1  | 10160025002     | straight-way | 7/8             | 22   | 5,52   | 5        | 17         | 165  | 34   | 4,3          |
| YCVSH 17-77GSHC-1 | 10160037502     | straight-way | 7/8             | 22   | 5,52   | 15       | 17         | 165  | 34   | 4,3          |
| YCVS 20-77GSHC-1  | 10160030002     | L-shape      | 7/8             | 22   | 13,2   | 10       | 20         | 132  | 87   | 4,3          |
| YCVSH 20-77GSHC-1 | 10160034602     | L-shape      | 7/8             | 22   | 13,2   | 30       | 20         | 132  | 87   | 4,3          |
| YCVS 26-88GSHC-1  | 10160037202     | L-shape      | -               | 28   | 19,02  | 10       | 26         | 196  | 123  | 4,3          |
| YCVSH 26-88GSHC-1 | 10160023702     | L-shape      | -               | 28   | 19,02  | 30       | 26         | 196  | 123  | 4,3          |
| YCVS 26-99GSHC-1  | 10160030102     | L-shape      | 1 1/8           | -    | 19,02  | 10       | 26         | 196  | 123  | 4,3          |
| YCVSH 26-99GSHC-1 | 10160034702     | L-shape      | 1 1/8           | -    | 19,02  | 30       | 26         | 196  | 123  | 4,3          |
| YCVS 31-BBGSHC-1  | 10160024402     | L-shape      | 1 3/8           | 35   | 29,1   | 10       | 31         | 196  | 123  | I            |
| YCVSH 31-BBGSHC-1 | 10160037402     | L-shape      | 1 3/8           | 35   | 29,1   | 30       | 31         | 196  | 123  | I            |
| YCVS 31-DDGSHC-1  | 10160037002     | L-shape      | 1 5/8           | -    | 29,1   | 10       | 31         | 196  | 123  | I            |
| YCVSH 31-DDGSHC-1 | 10160037102     | L-shape      | 1 5/8           | -    | 29,1   | 30       | 31         | 196  | 123  | I            |
| YCVS 31-DDGSHC-2  | 10160032402     | L-shape      | -               | 42   | 29,1   | 10       | 31         | 196  | 123  | I            |
| YCVSH 31-DDGSHC-2 | 10160042302     | L-shape      | -               | 42   | 29,1   | 30       | 31         | 196  | 123  | I            |

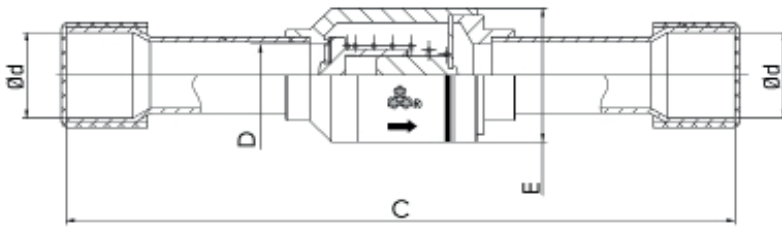




# SANHUA YCV SERIES Check Valve Piston Type

## GENERAL CHARACTERISTICS

*Straight-way*



*L-shape*

