PRODUCT MANUAL

CV CHECK VALVE

Model: CV-6 – CVR-42



CATEGORY	MODEL	ISSUE DATE
Refrigeration Valves	**CV-6 – CVR-42**	**2026-11-22**

1. Product Overview

The CV series is a brass check valve for refrigerant lines in two body styles. CV-6 to CV-19 are direct flow: the body sits in line with the pipe, so the valve fits wherever the line runs straight. CVR-22 to CVR-42 are right angle: inlet and outlet are at 90 degrees, which lets the valve be fitted in a corner and saves two elbows.

Connections are flare SAE from 1/4 inch to 3/4 inch or weld ODF from 1/4 inch to 1-5/8 inch, and the internal diameter runs from 4.8 mm to 31 mm. Kv values span 0.56 to 30.0 m3/h, covering everything from a small liquid line up to a 1-5/8 inch discharge line.

The valve is used wherever flow must not reverse: discharge lines on multi-compressor racks, liquid lines on pump-down circuits, the outlet of a receiver, and the bypass line of a hot gas defrost arrangement. The right angle version is particularly useful on packaged units where the pipework turns immediately after a component.

Selection is by line size and by the pressure drop that can be tolerated. A check valve adds resistance in the normal flow direction, and on a suction or discharge line that loss shows up directly as lost capacity, so the largest body that fits the pipe is usually preferred over a small one.

Installation: respect the flow arrow, keep the seat away from any source of braze scale, and where possible fit the valve so gravity assists closing - horizontal with the cap up is the usual position. A check valve is not an isolation device: it is not designed to seal against a pressure test or to hold a charge while a component is replaced.

2. Key Features

- Direct flow and right angle body styles
- Flare SAE or weld ODF connections
- Brass body suitable for HCFC and HFC refrigerants

3. Technical Specifications

Item	Specification
Model range	CV-6 – CV-19 (direct flow); CVR-22 – CVR-42 (right angle)
Connection	Flare SAE 1/4" – 3/4" or weld ODF 1/4" – 1-5/8"
Internal diameter	4.8 – 31 mm
Kv value	0.56 – 30.0 m³/h

4. Commercial Terms

MINIMUM ORDER
Negotiable

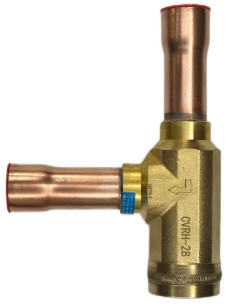
LEAD TIME
Negotiable

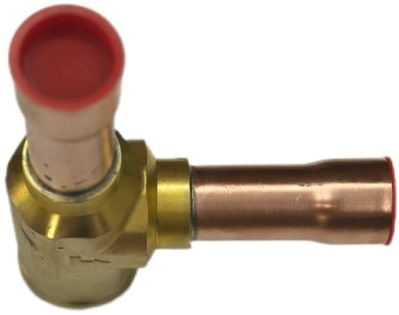
SHIPPING PORT
Shanghai / Ningbo, China

PLACE OF ORIGIN
China

PAYMENT TERMS	SUPPLY ABILITY
T/T, L/C	**Negotiable**

5. Product Gallery





Contact us for a free quotation

Our engineering team replies within 24 hours with selection advice and an FOB / CIF quotation.

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