PRODUCT MANUAL

Hand Valve

Model: HV-02 – HV-07 / HV-02H – HV-06H



CATEGORY	MODEL	ISSUE DATE
Refrigeration Valves	**HV-02 – HV-07 / HV-02H – HV-06H**	**2026-11-15**

1. Product Overview

The HV series is a brass hand valve for manual isolation on refrigerant lines. The red hand wheel gives a clear visual indication of position, and the valve is used wherever a line has to be shut by hand: on the liquid and suction lines of a condensing unit, either side of a filter drier, on each branch of a manifold, and at the inlet to a pump-circulation package.

Flare versions run from HV-02 to HV-07, covering 1/4 inch to 7/8 inch SAE with threads from 7/16 inch to 1-1/4 inch; solder versions HV-02H to HV-06H cover 1/4 inch to 3/4 inch copper tube. The flare version is the practical choice for field work where a line has to be opened repeatedly, while the solder version is used on factory-built equipment.

The body is brass with a screwed stem and packing, and the seat isolates against full system pressure in either direction. Because it is a manual valve it is normally left fully open or fully closed rather than used for regulation - throttling a hand valve erodes the seat and makes it leak when it is eventually closed.

Selection is by line size; the pressure drop of a correctly sized hand valve is small compared with a solenoid or a filter drier, so there is no capacity table to work through.

Practical points: fit the valve where the hand wheel can be reached without dismantling pipework, especially on ceiling-mounted units; back-seat the stem after opening to protect the packing; and when brazing, wrap the body and leave the valve half open so expanding gas can escape rather than pushing past the packing.

2. Key Features

- Brass hand valve for refrigerant lines, red hand wheel
- Flare or solder connection versions
- Sizes from 1/4" to 7/8" covering common copper tube diameters

3. Technical Specifications

Item	Specification
Model range	HV-02 – HV-07 (flare); HV-02H – HV-06H (solder)
Connection type	Flare or solder
Connection size	1/4" – 7/8" (flare); 1/4" – 3/4" (solder)
Thread (flare)	7/16" – 1-1/4"

4. Commercial Terms

MINIMUM ORDER
Negotiable

LEAD TIME
Negotiable

SHIPPING PORT
Shanghai / Ningbo, China

PLACE OF ORIGIN
China

PAYMENT TERMS

T/T, L/C

SUPPLY ABILITY

Negotiable

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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