PRODUCT MANUAL

Air Conditioner Valve

Model: ACVS / ACVB 1/4" – 3/4"



CATEGORY	MODEL	ISSUE DATE
Refrigeration Valves	**ACVS / ACVB 1/4" – 3/4"**	**2026-11-22**

1. Product Overview

This is the service valve used on split air-conditioning installations, where the indoor and outdoor units are connected on site and the circuit has to be evacuated and charged through the valve itself. The body is brass with a flare connection on the line side, a connection to the unit, and a service port with a cap for the gauge hose.

Two body shapes are produced. ACVS is the straight version, used where the pipe leaves the valve in line with the unit connection; ACVB is the bent version, used where the pipe has to turn immediately - the usual situation at the side of an outdoor unit where there is no room for a bend in the copper. Both are made in 1/4, 3/8, 1/2, 5/8 and 3/4 inch flare sizes, covering the liquid and suction lines of domestic and small commercial splits.

The valve has three working positions: fully front-seated (closed to the line, open to the service port), mid-position (open to both, used while charging), and fully back-seated (open to the line, service port isolated). Getting the sequence right matters - charging through a valve that is not in mid-position is the usual reason a system ends up with air in it.

Selection is by line size: match the valve to the flare size of the interconnecting pipe. The service port accepts a standard 1/4 inch charging hose, and the cap should be refitted with its seal after every service, since a missing cap is a slow leak.

Because these valves live outdoors, check the threads before installation and make the flare with a proper eccentric cone tool; a cracked flare on a service valve is difficult to repair once the system is charged.

2. Key Features

- Straight pipe and bend pipe versions
- Five flare sizes from 1/4" to 3/4"
- Brass body with charging port for evacuation and charging

3. Technical Specifications

Item	Specification
Model range	ACVS-1/4" – ACVS-3/4" (straight); ACVB-1/4" – ACVB-3/4" (bend)
Flare size	1/4", 3/8", 1/2", 5/8", 3/4"
Body	Brass, with service port cap

4. Commercial Terms

MINIMUM ORDER
Negotiable

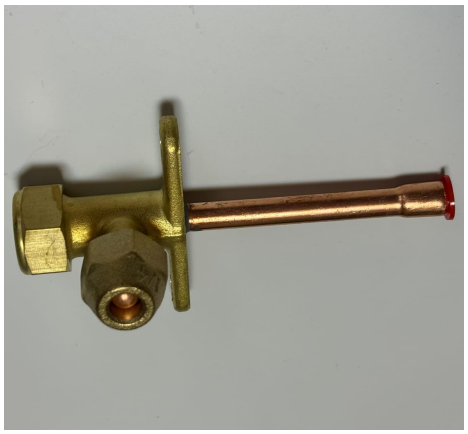
LEAD TIME
Negotiable

SHIPPING PORT
Shanghai / Ningbo, China

PLACE OF ORIGIN
China

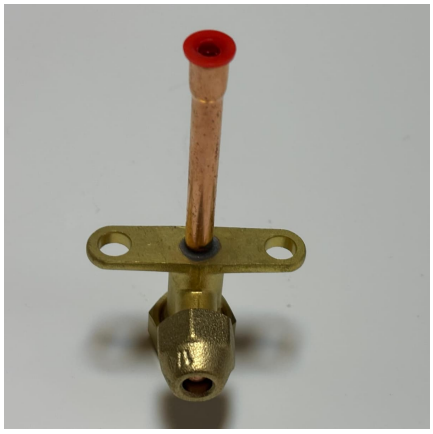
PAYMENT TERMS	SUPPLY ABILITY
T/T, L/C	**Negotiable**

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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