



# Hi-Flow Bi-Valve Y Branch



The Ultimate Hi-Flow Bi-Valve Y Branch is a heavy-duty, vacuum and pressure-rated Y adapter fitting for HVAC/R applications. Designed to provide maximum flow capacity and flexible hose routing while also offering valve isolation for improved control and convenience. The bi valve configuration enables independent control of each of the two male flare branches, giving technicians greater flexibility when evacuating, charging, or servicing refrigerant systems.

## Key Features & Benefits

**Dual-Valve Design** – Independent valves on each male flare branch for easy isolation and flow control.

**Full-Flow Passage** – Maximised bore size for faster evacuation, recovery, and charging.

**Vacuum & Pressure Ready** – Handles deep vacuum and high-pressure refrigerants reliably.

**Flexible Hose Setup** – Connect multiple hoses to one port for complex systems.

**Durable Build** – Aircraft-grade aluminium and brass for long life and corrosion resistance.

**Compact Design** – Y-branch form reduces bulk compared to traditional manifolds.

Description	Part No.
Ultimate Hi-Flow Bi-Valve Y Branch	JAV-1605
Specification	
Body Material	Aircraft grade aluminium - for strength, light weight and corrosion resistant, with solid brass connectors and flare faces
Connection Types	Two 3/8" male flare connections and one 3/8" female flare connection.
Internal Bore/ Flow Path	Enlarged and optimised internal flow paths giving high linear flow
Vacuum Rating	Deep vacuum (20 microns)
Maximum Safe Working Pressure	800 psi (approx. 55bar) matching higher pressure refrigerant system requirements (R410a)
Valve type	Ball valves with long life proprietary PTFE seals
Material & Seals	High-quality flare connections and HNBR (Super seals) compatible with standard refrigerants (A1, HFC/HFO, A2L & A3)