



Hi-Flow Core Removal Tool



The Ultimate Hi-Flow Core Removal Tool is a professional-grade, vacuum and pressure-rated valve core removal accessory designed for HVAC/R service, refrigerant recovery, and system evacuation. By removing restrictive valve cores, it provides true full-flow system access, significantly increasing both recovery and evacuation speed as well as the achievable depth of vacuum. It also allows connection to a vacuum gauge as close as possible to the unit being evacuated. This tool will improve service time on any system that relies on a Schrader valve for refrigerant access.

Key Features & Benefits:

Full-flow valve core removal – Eliminates core restriction for maximum flow, faster recovery/evacuation, and deeper vacuum.

Deep-vacuum rated – Maintains leak-free performance under vacuum conditions.

High-pressure rated – Safe for charging and use with high-pressure refrigerants (e.g. R410A).

Magnetic base / secure handling – Prevents lost valve cores during service.

Core-retention removal mechanism – Securely grips and extracts cores to avoid loss.

Side-port connection – Enables gauges or hoses for evacuation, charging, or testing.

No tools required - Hand tighten only.

Two sizes in one tool - 1/4" and 5/16"

Refrigerant Ready - Compatible with A1, HFC/HFO, low GWP A2L and A3 refrigerants.

Description	Part No.
Ultimate Hi-Flow Core Removal Tool	JAV-1600

Specification	
Service Port	1/4" female flare (with 5/16" female flare for mini-split systems)
Core / Side Port	Both ports: 1/4" male flare with removable valve core
Vacuum Rating	20 microns. Ideal for system evacuation
Maximum Working Pressure	800 psi (approx. 55bar) matching higher pressure refrigerant system requirements (R410a)
Materials & Seals	Select materials compatible with common (e.g. HFC, HFO, A2L, A3) - HNBR O-rings / sealing elements (Super Seals) as well as proprietary PTFE long life ball valve seals
Core-Grip Mechanism	Adjustable tip to securely grab a range of valve core sizes for removal/re-installation
Side Port Functionality	Allows connection of vacuum pump, vacuum gauge or changing hose
Compatibility	Refrigerants including HFC, HFO, A2L & A3, recovery and evacuation