Mastercool® Inc.
"World Class Quality"
1 ASPEN DRIVE, RANDOLPH, NJ 07869
PHONE: 973-252-9119 / FAX: 973-252-2455
WEB: WWW.MASTERCOOL.COM

58490 Universal Valve Core Remover/Installer Kit



KIT CONSISTS OF:

- 58490-001: Main Valve Assembly
- 58490-002: R134a High Side 16mm Connector
- 58490-003: R134a Low Side 13mm Connector
- 58490-012: 1/4" FL Swivel Connector
- 58490-377: Standard Valve Core Shaft
- 58490-378: GM Large Bore Valve Core Shaft
- 58490-531: JRA R134a Valve Core Shaft
- 58490-768: Eaton R134a Low Side Valve Core Shaft
- 58490-769: Eaton R134a High Side Valve Core Shaft
- 91494: Adapter 1/4"-M x 3/16"-F High Side (GM/Ford)
- 91495: Adapter 1/4"-M x 1/8"-F High Side (Ford)
- 58490-PB: Custom Molded Carrying Case

KEEP THE CHARGE. CHANGE THE CORE. GET BACK TO WORK.

Mastercool's valve core remover/installer has a built-in ball valve to retain charge and allow access to A/C system. Excellent for replacing valve cores without discharging the system, speeding recovery and recharging large systems. Its heavy-duty design for R134a and R12 systems allows the user to change valve cores while under pressure without any refrigerant loss. Patent # 6253436.

- **Service Valve Cores Under Pressure** – Remove and replace valve cores without discharging the system using built-in shutoff and ball valve control.
- **Universal R134a Coverage** – Works with standard valve cores (0.210-36), JRA (M6 x 0.75), and Eaton-style cores (8mm & 10mm threads).
- **Complete Adapter Set Included** – Comes with high and low side R134a connectors (13mm and 16mm), plus multiple shafts and adapters for maximum coverage.
- **Ideal For Professional Technicians** – Designed for full system compatibility across most R134a passenger vehicle platforms.
- **Durable, Field-Ready Construction** – Features brass body, stainless steel ball valve, and hardened steel shafts.
- **Includes Molded Carrying Case** – Keeps all adapters, shafts, and connectors organized and protected.

OPTIONAL ACCESSORIES: UPGRADE YOUR KIT

Hi-Flo Adapters for Unrestricted Recovery & Charging

Maximize your system workflow by pairing your 58490 Kit with our optional Hi-Flo Adapters. Designed to connect directly to the valve body after core removal, these adapters create a direct line between the system port and your recovery machine or charging manifold.

- **Maximum Efficiency** – Eliminates flow restrictions caused by standard service port geometry and valve cores.
- **Faster Turnaround** – Speeds up recovery and evacuation/charging times significantly.
- **Direct Connection** – Easily attaches to the valve body for seamless hose hookup.



Part Number	Description	Application / Connection
58490-AD-14M	Adapter Hi-Flo	1/4" FLM
58490-AD-12M	Adapter Hi-Flo	1/2" ACME-M