



Mastercool®
"World Class Quality"

1 ASPEN DRIVE, RANDOLPH, NJ 07869
PHONE: 973-252-9119 / FAX: 973-252-2455
WEB: WWW.MASTERCOOL.COM

R134a 2-WAY BRASS MANIFOLD (2 1/2" Gauges)



**LEAK FREE
PERFORMANCE**



**HEAVY-DUTY
DURABILITY**



**ERGONOMIC
5-LOBE KNOBS**



**ANTI-FLUTTER
GAUGES**

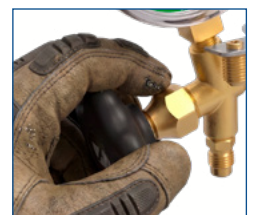
SPECIFICATIONS

• Manifold Body with Gauges:	80103A
• Refrigerant Compatibility:	R134a/R12
• Manifold Body:	Heavy-duty forged brass
• Valve Type:	Free-floating piston
• Gauge Diameter:	2 1/2"
• Gauge Class:	1.6
• Units:	PSI / °F
• Low-Side Range:	30 inHg - 120 PSI (Retard 350 PSI)
• High-Side Range:	0 - 500 PSI
• Port Connections:	1/2" ACME (3 ports)
• Control Knobs:	5-lobe phenolic with brass insert
• Gauge Housing:	Black metal
• Hose Storage:	Integrated hanger with retention nut
• Gauges:	85350 / 85500
• Optional Gauge Guards:	Add "-G" suffix
• Replacement O-Rings:	34215A
• Replacement Seal & Seat:	34216A

The redesigned Mastercool heavy-duty 2-way brass manifold is engineered for everyday automotive and HVAC/R service. Machined from heavy-duty forged brass to the tightest tolerances in its class, this manifold has been upgraded with the features that matter most when you're in the field: a completely overhauled internal sealing system. By optimizing gland geometry, tightening bore tolerances, and refining the free-floating piston design, we have eliminated valve play to deliver an ultra-reliable, leak-free seal technicians can rely on year after year.

Built for the field, it also features upgraded, ergonomic brass-reinforced 5-lobe control knobs for a solid grip, alongside a reinforced hanger and hose bracket retention nut for long-term assembly stability. This manifold delivers the straightforward precision, durability, and reliability you need to get the job done right.

- **Advanced Piston & Sealing Performance:** Features optimized gland geometry, improved bore tolerance control, and an updated piston slot design to eliminate valve play and ensure a consistent, leak-free seal—the ultimate long-term reliability upgrade for active technicians.
- **Heavy-Duty Forged Brass Body:** Machined to tight tolerances for superior strength and reliable performance in demanding field environments.
- **Ergonomic 5-Lobe Phenolic Knobs:** Contoured shape with brass-reinforced inserts ensures a secure, comfortable grip and smooth valve rotation, even when working with gloves or oily hands.
- **Reinforced Hanger & Hose Bracket:** Upgraded retention hardware keeps the hanger hook and hose bracket assembly securely locked in place, preventing shifting or loosening over time.
- **Anti-Flutter Gauges:** Silicone-dampened anti-flutter technology stabilizes needle movement for accurate, confident readings; Housed in a rugged black metal casing with field-recalibration capability.
- **Intuitive Color Identification:** Standard red (high-side) and blue (low-side) gauge faces for quick system recognition.
- **Integrated Hose Storage:** Built-in hose holder keeps service hoses organized and accessible on the job





Mastercool®
"World Class Quality"

1 ASPEN DRIVE, RANDOLPH, NJ 07869
PHONE: 973-252-9119 / FAX: 973-252-2455
WEB: WWW.MASTERCOOL.COM

R134a 2-WAY BRASS MANIFOLD (2 1/2" Gauges)



80103A

80103A

R134a 2-Way Brass Manifold with 2 1/2" Gauges only

83461A

R134a 2-Way Brass Manifold Gauge Set (2 1/2" gauges)
includes (3) 60" hoses (blue and red hose (14mm-M connection), yellow hose (1/2" ACME-F with auto-shut-off valve) and e-z snap couplers packaged in a clamshell



83461A

84661A

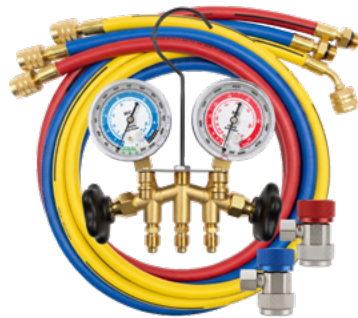
R134a 2-Way Brass Manifold Gauge Set (2 1/2" gauges)
includes (3) 60" hoses (blue and red hose (14mm-M connection), yellow hose (1/2" ACME-F with auto-shut-off valve) and manual couplers packaged in a clamshell

84772A

R134a 2-Way Brass Manifold Gauge Set (2 1/2" gauges)
includes (3) 72" hoses (blue and red hose (14mm-M connection), yellow hose (1/2" ACME-F with auto-shut-off valve) and manual couplers packaged in a clamshell

84661A-UV

R134a 2-Way Brass Manifold Gauge Set (2 1/2" gauges)
includes (3) 60" hoses (blue and red hose (14mm-M connection), yellow hose (1/2" ACME-F with auto-shut-off valve), manual couplers and 10 application mini dye injector packaged in a plastic box



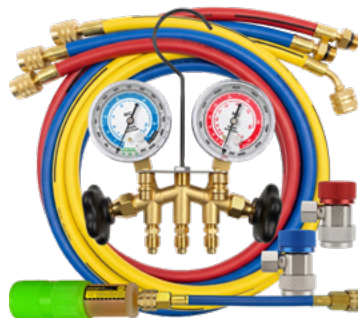
84661A

80636A

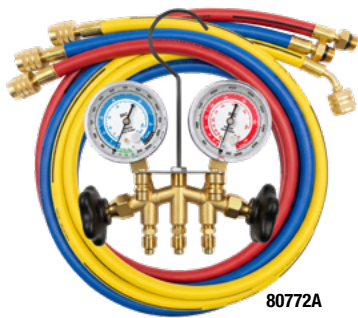
R134a 2-Way Brass Manifold Gauge Set (2 1/2" gauges)
includes (3) 36" hoses (blue and red hose (14mm-M connection), yellow hose (1/2" ACME-F with auto-shut-off valve) packaged in a clamshell

80772A

R134a 2-Way Brass Manifold Gauge Set (2 1/2" gauges)
includes (3) 72" hoses (blue and red hose (14mm-M connection), yellow hose (1/2" ACME-F with auto-shut-off valve) packaged in a clamshell



84661A-UV



80772A