



Mastercool®
"World Class Quality"

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

R1234yf/R134a 2-WAY BRASS MANIFOLD GAUGE SET (2 1/2 gauges)



**LEAK FREE
PERFORMANCE**



**HEAVY-DUTY
DURABILITY**



**ERGONOMIC
5-LOBE KNOBS**



**ANTI-FLUTTER
GAUGES**

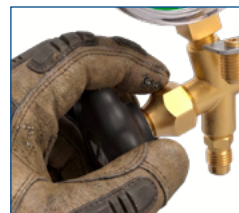
SPECIFICATIONS

• Manifold Body with Gauges:	80103A-AYF
• Refrigerant Compatibility:	R134a/R1234yf
• 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-YF/ 85500-YF
• 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 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:** Upgraded retention hardware keeps the hanger hook 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.

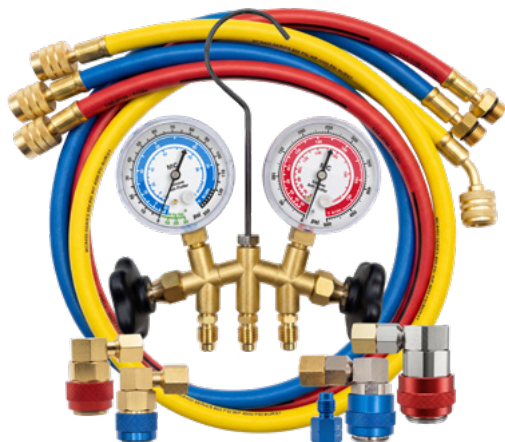




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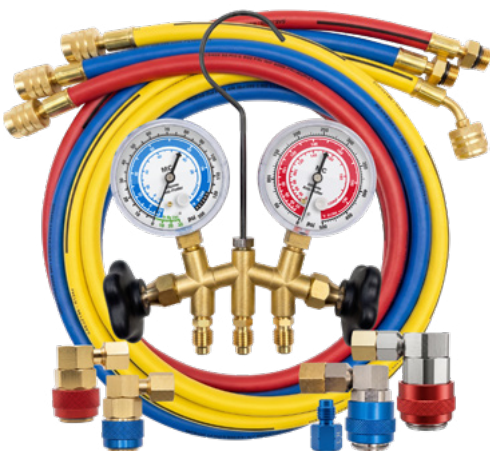
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R1234yf/R134a 2-WAY BRASS MANIFOLD GAUGE SET (2 1/2" gauges)



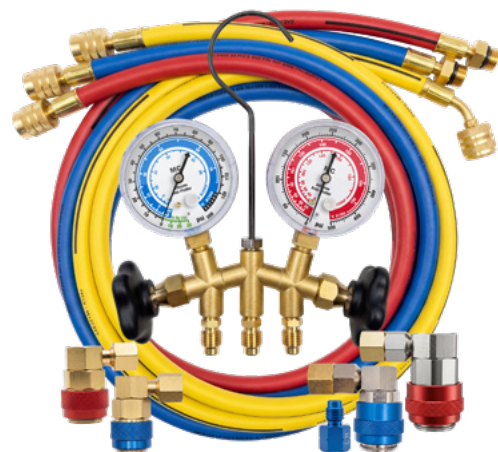
66636A-AYF

66636A-AYF R1234yf/R134a 2-Way Brass Manifold Gauge Set (2 1/2" gauges) includes (3) 36" R134a standard hoses, R134a economy couplers (66234, 66334), R1234yf quick couplers (67434, 67534), 1/2" acme-m x 1/2" acme-f LH thread adapter (83633), (2) 12 mm-m x 14 mm-f R1234yf adapters (83735)



66661A-AYF

66661A-AYF R1234yf/R134a 2-Way Brass Manifold Gauge Set (2 1/2" gauges) includes (3) 60" R134a standard hoses, R134a economy couplers (66234, 66334), R1234yf quick couplers (67434, 67534), 1/2" acme-m x 1/2" acme-f LH thread adapter (83633), (2) 12 mm-m x 14 mm-f R1234yf adapters (83735)



66672A-AYF

66672A-AYF R1234yf/R134a 2-Way Brass Manifold Gauge Set (2 1/2" gauges) includes (3) 72" R134a standard hoses, R134a economy couplers (66234, 66334), R1234yf quick couplers (67434, 67534), 1/2" acme-m x 1/2" acme-f LH thread adapter (83633), (2) 12 mm-m x 14 mm-f R1234yf adapters (83735)