

ROBINAIR FLUID PRODUCTS

A/C Manifold & Hoses

R-134a Side-Wheel Manifolds for Automotive Service

Solid Forged Brass Bar — Long-lasting and durable with proven face seal valves.

New Universal Gauges — Easy-to-read dial faces show R-134a temperatures in degrees Fahrenheit, plus pressures in psi and kPa.

Flexible Holster — Protects your manifold during use and storage.

Pressure Temperature Chart — Stores in a slot on the back of the manifold; gives you multiple refrigerant capability.

Includes — R-134a low-permeation hoses with field service couplers on the high- and low-side hoses; yellow hose is 1/4" FFL x 1/2" Acme with Quick Seal™ fitting.

Models

No. 40134A — R-134a manifold gauge set with three 72" color-coded hoses and automotive field service couplers.

No. 42134A — R-134a manifold gauge set with three 72" color-coded hoses and automotive field service couplers; has Celsius temperature scale on gauges.

No. 13138 — Hanging hook.

Replacement Hoses for 40134A and 40135:

No. 13187 — Blue, **No. 13188** — Red, **No. 13190** — Yellow.

No. 41698 — Set of one red and one blue with 1/4" drive (barrel style).



Service Couplers for Automotive R-134a

Field service couplers connect to our special Enviro-Guard hoses to allow access to service ports on automotive R-134a A/C systems. The quick-connect design has an integral safety sleeve, which protects against injury and refrigerant loss if the coupler is disconnected under pressure. The compact design easily fits into tight quarters, which is especially handy for retrofits. Six-ball couplers provide a more stable grip on the fitting than do couplers with four balls.

No. 19150 — O-ring kit for field service couplers.

No. 18190A — Low-side manual coupler, blue actuator.

No. 18191A — High-side manual coupler, red actuator.

No. 18192 — Set of manual service couplers.

No. 18341 — High- and low-side automatic couplers.

No. 18074 — Low-side coupler, straight, blue actuator.

No. 18075 — High-side coupler, straight, red actuator.

No. 18174 — Low-side coupler, 90°, blue actuator.

No. 18175 — High-side coupler, 90°, red actuator.



18192



18341



18174



18175



18074



18075



40152

Side-Wheel Manifolds with 1/4" Fittings

Our popular side-wheel manifold is easy to use and designed for accuracy.

Bar — Solid forged brass for long life; handwheels are durable, color-coded Lexan™.

Universal Gauges — Clearly marked so they're easy to read and protected with Lexan™ lenses.

Field-Proven Face Seal Valve — Prevents leakage past the stem.

Models

40152 — Standard side-wheel manifold, color-coded gauges, Fahrenheit scale, brass bar, handwheels, and hanging hook—no hoses.

40151 — Standard side-wheel manifold, color-coded gauges, Celsius scale, brass bar, handwheels, and hanging hook—no hoses.

40153 — Standard side-wheel manifold set, includes three 36" standard hoses with 1/4" fittings.

40159 — Standard side wheel manifold, color-coded gauges, Fahrenheit scale, brass bar, handwheels, 80 mm lens gauges, and hanging hook—no hoses.

40169 — Standard side wheel manifold set, includes three 60" standard hoses with 1/4" fittings.



41600

Side-Wheel Manifolds-in Protective Holster

Use the 41600 for almost every job, instead of carrying several manifolds with 1/4" fittings. Gauges show R-22 and R-134a temperature scales.

Flexible Holster — Provides protection against the bumps and knocks of everyday use.

Pressure Temperature Chart — Stores in a slot on the back, giving multiple refrigerant capability.

Face Seal Valves — Provide a tight seal, less wear, and improved flow.

Comes with manifold bar, protective holster, 2-1/2" gauges, color-coded hand wheels, and hanging hook.

41600 — Side-wheel manifold in protective holster—no hoses.

41620 — Side-wheel manifold set with protective holster, three 72" standard hoses, and standard fittings.

41630 — Side-wheel manifold set with protective holster, three 72" standard hoses with Quick Seal™ fittings.

41640 — Side-wheel manifold set with protective holster, three 72" Enviro-Guard™ hoses with Quick Seal™ fittings.

41612 — Side-wheel manifold, temperature readings in degrees Celsius—no hoses.

Brass Manifold

No. 49300 – R-134a manifold only.

No. 13202 – R-134a manifold with hose set (49072) and service couplers.

Aluminum Block Manifold with Sight Glass

No. 13199 – 1/4" MFL manifold only.

No. 48430 – 1/4" MFL manifold with hose set (68472).

No. 13208 – R-134a manifold only.



R-134a Manifold Kit

Deluxe combination side can tap features: 1/4" MFI and 1/2" Acme ports, hinged inserts for cans of R-12, R-134a, and their respective oils. 72" hoses for R-134a with automatic couplers, aluminum manifold, 1" dial thermometer, temperature/pressure chart, and blow-molded case.

No. 13136 – R-134a manifold kit.



Dual Manifold Gauge Kit

Includes aluminum block manifold, high- and low- R-134a snap couplers, 1" dial thermometer, 72" R-134a hose set, 72" R-12 hose set, and blow-molded storage case.

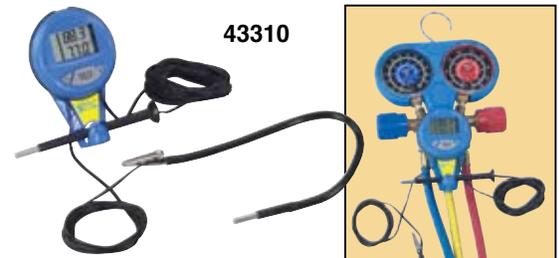
No. 48450 – Dual manifold gauge set.



A/C System Performance Calculator

- Instant performance test under any ambient temperature condition.
- Suspends from hood latch or attaches to your manifold gauge set.
- Includes ambient and vent temperature probes.
- Fahrenheit and Celsius scales. • Auto shut off.
- Diagnostic flow chart and tech tips to guide you through the test.

No. 43310 – A/C system performance calculator.



Replacement Gauges

Universal compound replacement gauge, psi/kPa pressure readings, R-22 and R-134a temperature readings in degrees Fahrenheit.

No. 11794 – Replacement gauge (replaces 11692).

Universal compound replacement gauge, psi/kPa pressure readings, R-22 and R-134a temperature readings in degrees Celsius.

No. 11797 – Replacement gauge.

Universal pressure replacement gauge, psi/kPa pressure readings, R-22 and R-134a temperature. Temperature readings in degrees Fahrenheit.

No. 11795 – Replaces 11693.

Universal pressure replacement gauge, psi/kPa pressure readings, R-22 and R-134a temperature. Temperature readings in degrees Celsius.

No. 11798 – Replacement gauge.

Replacement gauge lens, quarter turn on-off.

No. 11796 – Replacement gauge lens.



ROBINAIR FLUID PRODUCTS



TIF9675
(shown)

TIF9675 & TIF9685 Digital Replacement Gauges

TIF has designed these gauges with the latest state-of-the-art technology. The digital display means you can have quick, easy-to-read, and accurate readings. These gauges allow you to read both pressure and vacuum.

Gauges are compatible with all refrigerants and are individually powered by one 9V battery.

No. TIF9675 – Low-side gauge reads in increments of .10 from -30 in Hg to 99.9 psi.

No. TIF9685 – High-side gauge reads in increments of 1 psi from 0 psi to 500 psi.

Specifications

Range	Low: -29.9 in Hg to 99.9 psi High: 0–500 psi
Resolution	Low: 0.1 in Hg and 0.1 psi High: 1 psi
Accuracy	±2% of reading
Operating Temp	32°–125° F (0°–52° C)
Power Supply	(1) 9V battery
Battery Life	>100 hours (alkaline)
Dimensions	3.5" x 2.8" x 1.9" D (8.9 cm x 7.1 cm x 4.8 cm)
Weight	6 oz. (170g)



Stem Replacement Assembly Kit

Kits include all necessary parts to service one manifold valve. To replace stems on both valves, order two kits.

No. 40232 – Stem assembly kit for manifolds with conical seal design.

No. 13148 – Face seal kit for side-wheel manifolds, includes stem with o-rings, spring, and screw. Will not fit sight glass manifold.

No. 19695 – Face seal kit for sight glass manifolds.

No. 13067 – High vacuum grease.

Replacement Handwheels

No. 40449 – Set of one red and one blue with 1/4" drive.

No. 41698 – Set of one red and one blue with 1/4" drive (barrel style).

Replacement Parts for Hoses and Adapters

Replacement parts help you keep your charging hoses and adapters in top working condition.

No. 18180 – O-rings for Quick Seal™ 1/4" fittings and adapters, pkg/6.

No. 40531 – O-rings for 10293 adapters, pkg/6.

No. 40082 – 1/4" valve core depressors, pkg/6.

No. 40083 – 1/4" gaskets, pkg/6.

No. 40084 – 3/8" gaskets, pkg/6.

No. 40677 – 3/16" gaskets, pkg/6.

No. 40653B – 3/16" valve core depressors.

Replacement Parts Kit for R-12 Manifold Gauges and Hoses

- 6 hose gaskets.
- 6 gasket adapters.
- 2 stem repair kits .
- 12 Quick Seal™ caps.
- 12 valve core depressors, 1/4".
- 4 Lexan® handwheels and screws.
- O-rings to service Quick Seal™ fittings.
- Valve core remover/installer with valve cores.

No. 18019 – Replacement parts kit for R-12 manifold gauges and hoses.

Replacement Parts Kit for R-134a Manifold Gauges and Hoses

- 4 manifold stems.
- 6 o-rings, 14 mm.
- 12 valve core depressors.
- 12 hose gaskets, 1/4".
- 12 manifold stem o-rings.
- 6 Quick Seal™ o-rings for R-134a.
- 2 caps with straps, 1/2" Acme.
- O-ring lubricant (high vacuum grease).
- Valve core remover/installer with 6 valve cores.
- 4 color-coded Lexan® handwheels and screws.
- Set of R-134a coupler o-rings, high- and low-side.

No. 18576 – Automotive replacement parts kit for R-134a manifold gauges and hoses.



18576

Hoses

No. 30072 – Standard hose (500/2500 psi) – 72", 1/4" SAE internal fitting x 1/4" SAE internal.

No. 34107 – Standard hose (500/2500 psi) – 72" 1/4" SAE internal fitting x 1/4" SAE internal with auto shut-off.

No. 68472 – Enviro-Guard hose (740/3700 psi) – 72" 1/4" SAE internal fitting x 1/4" SAE internal with auto shut-off

No. 49072 – R-134a Enviro-Guard hose (740/3700 psi) – 72" red/blue, 1/2" ACME internal x 14 mm external fittings; yellow, 1/2" ACME internal x 1/2" ACME internal.



30072

Special Hoses for Special Jobs Enviro-Guard™ Hoses with Ball Valves

In-line ball valves control refrigerant flow, open and close in a quarter turn.

No. 65060 – Set of three 60" hoses with ball valves.

No. 65160 – 60" Enviro-Guard™ hose with ball valve, yellow.

No. 65260 – 60" Enviro-Guard™ hose with ball valve, blue.

No. 65360 – 60" Enviro-Guard™ hose with ball valve, red.



65060

Hose Extension Coupler

Connect any number of hoses to get the extra length you need – there's no need to order special hose lengths.

No. 40333 – 1/4" MFL x 1/4" MFL, no valve core.

No. 10328 – 1/2" Acme external x 14 mm internal (for automotive R-134a).



40333

20' Charging Hoses

No. 68020 – Set of 20' Enviro-Guard™ red and blue, 1/4" fittings.

No. 68420 – Set of 20' Enviro-Guard™ red and blue, Quick Seal™ fittings.

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Charging Hoses

Robinair premium refrigerant charging hoses are built for long life and dependability. A strong, six-sided crimp provides a reliable connection between the hose and barb, even at maximum pressure. The coupler nuts are deeply knurled for quick finger-tightening. Enviro-Guard™ hoses are ideal for high pressure applications, including R-410a systems.

Hose Selection Charts

Length (inches)	Yellow	Blue	Red	Pkg. Set (Blue, Red, Yellow)
36	31036	32036	33036	30036
60	31060	32060	33060	30060
72	31078	32072	31079	30072
96	31096	32096	33096	N/A

1/4" Standard Hoses with Standard Fittings

Neoprene-coated for flexibility and wear resistance, with a valve core depressor and a 45° bend on one end for convenient access to the system.

500 psi working pressure; 2500 psi burst pressure.

Length (inches)	Yellow	Blue	Red	Pkg. Set (Blue, Red, Yellow)
72	38172A	38272A	38372A	39072A

1/4" Standard Hoses with Quick Seal™ Fittings

500 psi working pressure; 2500 psi burst pressure.

Length (inches)	Yellow	Blue	Red	Pkg. Set (Blue, Red, Yellow)
72	67172	67272	67372	67072

1/4" Enviro-Guard™ Hoses with Standard Fittings

740 psi working pressure; 3700 psi burst pressure.

Length (inches)	Yellow	Blue	Red	Pkg. Set (Blue, Red, Yellow)
36	68136A	68236A	68336A	69036A
60	68160A	68260A	68360A	69060A
72	68172A	68272A	68372A	69072A
96	68196A	68296A	68396A	69096A

1/4" Enviro-Guard™ Hoses with Quick Seal™ Fittings

Special barrier material prevents virtually any permeation of refrigerant, yet remains flexible. With 45° Quick Seal™ fittings.

740 psi working pressure; 3700 psi burst pressure.

Length (inches)	Yellow 1/2" ACME x 1/2" ACME	Blue 14 mm x 1/2" ACME	Red 14 mm x 1/2" ACME	Pkg. Set (Blue, Red, Yellow)
36	61036	62036	63036	60036
60	61060	62060	62243	60060
72	61072	62072	62244	60072
96	61096	62121	63096	60096
240	NA	NA	NA	64240 (excl. yellow)
240	NA	NA	62246	NA
240	NA	62242	NA	NA

Enviro-Guard™ Hoses for Automotive R-134a

Meets all specifications for low permeation construction. Clearly marked for R-134a. See page 351 for service couplers.

740 psi working pressure; 3700 psi burst pressure.