

A/C product range 2022

Since 1956, Robinair has been one of the global leaders of automotive air-conditioning refrigerant recovery, recycling and recharge tools, equipment and accessories.





Expertise and a broad product portfolio for R-134a and R-1234yf systems:

Service speed, high adaptability and maximum efficiency – the key for a successful air conditioning service and maintenance

Air conditioning systems are part of standard vehicle maintenance routine programs – and it is a matter of fact that mechanics are often obliged to solve problems relating to A/C system efficiency. Troubleshooting requires time and the scarce availability of A/C system data for maintenance best practice and increased refrigerant costs can harm the profitability of your workshop. Innovative A/C equipment designed based on customers' experience is the key to success: the new range of Robinair A/C units perfectly combines unique and different functions and needs – for all workshops.

The new A/C platform with fully-automatic functions offers a wealth of important and exclusive features, such as:

- › 'Deep Recovery', which reduces maintenance times for A/C systems by 20 %. A quick return on investment.
- › Efficient and environmentally-friendly use of resources thanks to its close to 99 % refrigerant recovery rate of the refrigerant from the vehicle.
- › An innovative oil injection system avoids the danger of lubricant cross-contamination and additional repair costs.



Air Conditioning Service specialist since 1956

As long as there's been air conditioning, there's been Robinair, one of the global leaders in automotive and HVAC/R air conditioning (A/C) refrigerant recovery, recycling and recharge tools, equipment and accessories. Vehicle manufacturers (OEMs), dealership service departments, workshops, industrial and commercial contractors have turned to Robinair for A/C service products since 1956.

AC1234-8i, AC1234-7i and AC1x34-7i

Fully automatic air conditioning service units

Completely fully automatic service units meet the highest requirements for servicing air conditioning in cars and commercial vehicles. Compatible with hybrid A/C systems meeting German car manufacturer specifications, SAE and European standards.

Highlights:

- › Embedded refrigerant identifier (A/C1234-8i)
- › Close to 99 % recovery rate (Deep Recovery)
- › Mobile app
- › Dual stage vacuum pump (170l/min)
- › N₂H₂/N₂ leak test embedded
- › Premium accuracy: 15 grams charge accuracy
- › Embedded A/C system vehicle database
- › Compatible with Bosch Connected Repair and Asanetwork
- › Quick and easy access to internal components
- › Innovative PAG/POE oil injection
- › Select between fully automatic service mode or single service mode
- › No manual valves

AC1234-8i (SP00000164): Fully automatic A/C unit R-1234yf with Refrigerant Identifier

VAC1234-8i (SP00000166): Fully automatic A/C unit R-1234yf with Refrigerant Identifier for VW

RAC1x34-8i (SP00000170): Fully automatic A/C unit R-134a with Refrigerant Identifier for BMW

RAC1234-8i (SP00000168): Fully automatic A/C unit R-1234yf with Refrigerant Identifier for BMW

DAC1234-8i (SP00000169): Fully automatic A/C unit R-1234yf with Refrigerant Identifier for Mercedes-Benz

AC1234-7i (SP00000165): Fully automatic A/C unit R-1234yf

AC1x34-7i (SP00000161): Fully automatic A/C unit R-134a

The best in class
in R-134a and
R-1234yf air
conditioning
service units



AC1234-5i and AC1x34-5i

Fully automatic air conditioning service units

Completely fully automatic unit for servicing air conditioning in cars and commercial vehicles with R-134a and R-1234yf refrigerant. Compatible with hybrid A/C systems meeting European standards ensuring correct and environmentally friendly handling of refrigerant.

Highlights:

- › Close to 99 % recovery rate (Deep Recovery)
- › Dual Stage vacuum pump 170 l/min
- › PAG/POE oil injection
- › Premium accuracy: 15 grams charge accuracy
- › Embedded A/C system vehicle database
- › Quick and easy access to internal components
- › Select between fully automatic service mode or single service mode
- › No manual valves

AC1234-5i (SP00000176): Fully automatic A/C unit R-1234yf

AC1234-5i P (SP00000177): Fully Automatic A/C unit R-1234yf with printer

AC1234-5i RI (SP00000178): Fully Automatic A/C unit R-1234yf with printer and Refrigerant Identifier

AC1x34-5i (SP00000179): Fully automatic A/C unit R-134a

AC1x34-5i P (SP00000180): Fully automatic A/C unit R-134a with printer

The new
reference for
R-134a and
R-1234yf air
conditioning
service units



Technical data, primary functions

	AC1234-8i / AC1234-7i / AC1x34-7i	AC1234-5i / AC1x34-5i	AC1234-3i / AC1X34-3i
Refrigerant Type	R-1234yf / R-134a	R-1234yf / R-134a	R-1234yf / R-134a
Operating mode	Fully automatic	Fully automatic	Fully automatic
Functions			
Refrigerant recovery	Automatic	Automatic	Automatic
Recovery performance	Up to 99 %	Up to 99 %	Up to 95 %
Refrigerant identifier	AC1234-8i Yes AC1234-7i Optional	Optional (embedded for AC1234-5i RI)	Optional
Waste oil recovery	Automatic with electronic scale	Automatic with electronic scale	Automatic
Vacuum	Automatic	Automatic	Automatic
Vacuum leak test	Automatic	Automatic	Automatic
Pressure leak test (pre-charge)	No	No	No
Pressure leak test (N ₂ / N ₂ H ₂)	Yes	Optional	No
Hybrid A/C system ready	Yes	Yes	Yes
Oil injection	PAG / POE Automatic with electronic scale	PAG / POE Automatic	PAG / POE Automatic
UV dye injection	Automatic with electronic scale	Automatic	No
Refrigerant recharge	Automatic with electronic scale	Automatic with electronic scale	Automatic with electronic scale
Flushing function	Optional	Optional	Optional
Embedded printer	Yes	AC1234-5i RI AC1234-5i P AC1x34-5i P	AC1234-3i P AC1x34-3i P
Air purge system	Electronically controlled	Electronically controlled	Electronically controlled
Technical specification			
HP & LP panel valves	Valveless	Valveless	Valveless
HP & LP pressure gauges	100 mm pulse-free Class 1	100 mm pulse-free Class 1	100 mm pulse-free Class 1
Tank pressure gauges	Digital	Digital	Digital
Service hoses length	2.5 m (5 m optional)	2.5 m (5 m optional)	2.5 m (5 m optional)
Display	7" color display	4,3" color display	4,3" color display
Compressor	1/4 HP	1/4 HP	1/4 HP
Vacuum pump	170 l/min (6 CFM)	170 l/min (6 CFM)	71 l/min (3 CFM)
Refrigerant tank capacity	19.5 kg	19.5 Kg / 21.5 kg	8 kg
New oil bottles	2 x 250 ml (hermertically sealed)	2 x 250 ml (hemertically sealed Option)	1 x 250 ml
Waste oil bottles	1 x 250 ml	1 x 250 ml	1 x 250 ml
Uv dye bottle	1 x 250 ml (hermertically sealed)	1 x 250 ml (hermertically sealed Option)	No
Dimensions in cm	105 x 75 x 77	105 x 75 x 77	99 x 69 x 67 cm
Weight	112 kg	112 kg	107 kg
Power Supply	230 V 50/60 Hz	230 V 50/60 Hz	230 V 50/60 Hz
Accessories			
Vehicle databse	Yes	Yes	Yes
Programmable user database	Yes	Yes	Yes
A/C system performance test	Yes	Yes	Yes
Vehicle flushing adapters kit	Optional	Optional	Optional
USB connection	Yes	Yes	Yes
Wireless connection	Yes	Optional	Optional
Mobile app connection	Yes	Optional	Optional

Robinair A/C service units with Deep Recovery for high refrigerant recovery rates

The Deep Recovery function of Robinair A/C service units increases the refrigerant recovery rates and reduces servicing times

Almost all vehicle manufacturers recommend specific service intervals for air conditioning systems. A/C service includes functional and visual inspection as well as refrigerant replacement. During the standard procedure, the compressor of the A/C service unit recovers the refrigerant and stores it at its own tank. In doing so, up to 95 % of the refrigerant is recovered in several steps. It is released through the venting outlet of the vacuum pump during the vacuum phase. Due to this particular loss of refrigerant, resulting in an increased environmental impact and a timeconsuming procedure, an optimized function was developed: Deep Recovery.

Robinair A/C service units with Deep Recovery

Robinair AC1234-8i, AC1234-7i, AC1x34-7i, AC1234-5i and AC1x34-5i service units are already equipped with the Deep Recovery function. In a second recovery stage after the standard procedure, the vacuum pump extracts as much of the remaining refrigerant as possible. Depending on the A/C configuration and its operating conditions, this allows recovery of up to 99 % of the refrigerant. In the subsequent vacuum phase, only a very small amount of remaining refrigerant is released into the atmosphere. Especially in the case of expensive R-1234yf refrigerant, this means a significant cost reduction. Another advantage of Deep Recovery: the vacuum pump starts dehumidifying the air conditioning system as early as possible, during the refrigerant recovery. For workshops this means additional time savings when

performing A/C services, significantly reducing any additionally required vacuum phase. A/C refilling can thus be started earlier.

Recovering more refrigerant more effectively and protecting the environment

In this manner, the Robinair A/C service unit performs 2 phases (refrigerant recovery and A/C system vacuum) in one stage. Waiting times for pressure build-up are also reduced during Deep Recovery. Thanks to this resource-saving procedure, the loss of environmentally-hazardous refrigerant is minimized as well.

Deep Recovery via vacuum pump

Step 1
Recovery via
Compressor



95%



Step 2 (Deep Recovery)
Recovery via
Compressor + Vacuum pump

Up to

99%

Deep Recovery helps to recover more refrigerant, reducing the environmental impact and saving working hours. (Figures depending on AC system specific configuration and operating conditions)



Deep Recovery included:
Air Conditioning service
units from Robinair

AC1234-3i and AC1x34-3i

Fully automatic air conditioning service units

Robinairs' AC1234-3i is the standard for service units which perform maintenance of A/C systems with R-1234yf refrigerant. The AC1x34-3i offers all of the functions required for the professional maintenance of R-134a-based vehicle air conditioning systems and can be easily converted to R-1234yf unit. Both units carry out automatic refrigerant recovery, recycling and filling and ensure the quick, complete drying of the system. AC1234-3i P and AC1x34-3i P are equipped with printer.

Highlights:

- › Safety ensured and certified for R-1234yf use
- › Service hoses flushing, conforming to SAE J2843, allows the maintenance of A/C systems for hybrid or electric vehicles
- › Optional kit allows to flush the A/C system easily and automatically
- › User interface available in 20 languages
- › Management and storage of the amount of refrigerant used

AC1234-3i (SP00000156): Fully automatic A/C unit R-1234yf

AC1234-3i P (SP00000157): Fully automatic A/C unit R-1234yf with printer

AC1x34-3i (SP00000154): Fully automatic A/C unit R-134a

AC1x34-3i P (SP00000155): Fully automatic A/C unit R-134a with printer



AC790PRO

Automatic air conditioning service unit for heavy duty systems

The AC790PRO is an air conditioning service unit, which is specifically designed to meet bus and truck requirements and is focused on high-capacity, R-134abased air conditioners. The unit automatically checks refrigerant recovery, recycling and refilling. Five-meter service hoses make the connection easy in all A/C systems. The two-liter bottle for oil injection and recovery permits management of large quantities of compressor lubricant. The unit has an integrated printer to create a detailed report and makes it possible to provide professional air conditioner servicing for heavy commercial vehicles and buses.

Highlights:

- › Automatic service process
- › Single service process selectable
- › Fast and Deep vacuum (vacuum pump 283 l/min)
- › Large oil canister (2,000 ml)
- › Large internal tank (40 l)
- › Long service hoses standard (5 m)
- › Liquid pump for charge oil and refrigerant
- › Integrated database for both trucks and commercial vehicles
- › Integrated flushing program with optional kit
- › Multi-phase refrigerant recycling during vacuum phase
- › Integrated, guided performance test for A/C system
- › Automatic purge of non condensable gas
- › Easy internal filter maintenance
- › Accessible vacuum pump for easy oil change
- › Printer

AC790PRO (SP00000051): Automatic A/C unit R-134a



Safe and
efficient A/C
service with
Robinair units



The
specialist for
voluminous air
conditioning
systems



ACM3000-ROBDB and ACM3000yf-ROB
Automatic air conditioning service units

The ACM3000-ROB and ACM3000yf are our starter models. They offer all the basic functions and necessary performance for the professional working with R-134a and R-1234yf based air conditioning systems. The units carry out automatic refrigerant recovery, recycling and filling and guarantees the quick, complete drying of the system. An optional printer is also available to create detailed reports.

- Highlights:
- > Automatic service process
 - > Single service process selectable
 - > Oil injection bottle
 - > Integrated database for car, truck and commercial vehicle
 - > Automatic purge of non condensable gas
 - > Easy internal filter maintenance
 - > Accessible vacuum pump for easy oil change
 - > Printer (optional)

ACM3000-ROBDB (SP01000023): Automatic A/C unit R-134a
ACM3000-ROBUK (SP01000024): Automatic A/C unit R-134a (UK Plug)
ACM3000-PROB (SP01000020): Automatic A/C unit R-134a with printer

ACM3000yf-ROB (SP01000037): Automatic A/C unit R-1234yf
ACM3000yf-PROB (SP01000038): Automatic A/C unit R-1234yf with printer
ACM3000yf-ROBUK (SP01000040): Automatic A/C unit R-1234yf (UK plug)



Automatic A/C
unit with the
fastest return
of investment

Technical data, primary functions

	AC790PRO	ACM3000yf-ROB	ACM3000-ROBDB
Refrigerant Type	R-134a	R-1234yf	R-134a
Operating mode	Automatic	Automatic	Automatic
Functions			
Refrigerant recovery	Automatic	Automatic	Automatic
Recovery performance	Up to 95 %	Up to 95 %	Up to 95 %
Refrigerant identifier	No	No	No
Waste oil recovery	Automatic	Automatic	Automatic
Vacuum	Automatic	Automatic	Automatic
Vacuum leak test	Automatic	Automatic	Automatic
Pressure leak test (pre-charge)	No	No	No
Pressure leak test (N ₂ / N ₂ H ₂)	No	No	No
Hybrid A/C system ready	No	No	No
Oil injection	Manual (via Keypad)	Manual (via Keypad)	Manual (via Keypad)
UV dye injection	No	No	No
Refrigerant recharge	Automatic with electronic scale and Charge pump	Automatic with electronic scale	Automatic with electronic scale
Flushing function	Optional	No	No
Embedded printer	Yes	ACM3000yf-PROB	ACM3000yf-PROB
Air purge system	Automatic	Automatic	Automatic
Technical specification			
HP & LP panel valves	2	2	2
HP & LP pressure gauges	80 mm pulse-free Class 1	80 mm pulse-free Class 1	80 mm pulse-free Class 1
Tank pressure gauges	40 mm	40 mm	40 mm
Service hoses length	5 m	2.5 m	2.5 m
Display	Backlit LCD	Backlit LCD	Backlit LCD
Compressor	1/2 HP	1/4 HP	1/4 HP
Vacuum pump	283 l/min (10 CFM)	71 l/min (3 CFM)	71 l/min (3 CFM)
Refrigerant tank capacity	35 kg (40 l)	8 kg	8 kg
New oil bottles	1 x 2,000 ml	1 x 250 ml	1 x 250 ml
Waste oil bottles	1 x 2,000 ml	1 x 250 ml	1 x 250 ml
Uv dye bottle	No	No	No
Dimensions in cm	128 x 69 x 69	55 x 52 x 95	55 x 52 x 95
Weight	120 kg	60 kg	60 kg
Power Supply	230 V 50 Hz	230 V 50/60 Hz	230 V 50/60 Hz
Accessories			
Vehicle databse	Yes	Yes	Yes
Programmable user database	Yes	No	No
A/C system performance test	No	No	No
Vehicle flushing adapters kit	Optional	No	No
USB connection	No	No	No
Wireless connection	No	No	No

Fit for the future:

Air conditioning service with Robinair – also for electric vehicles

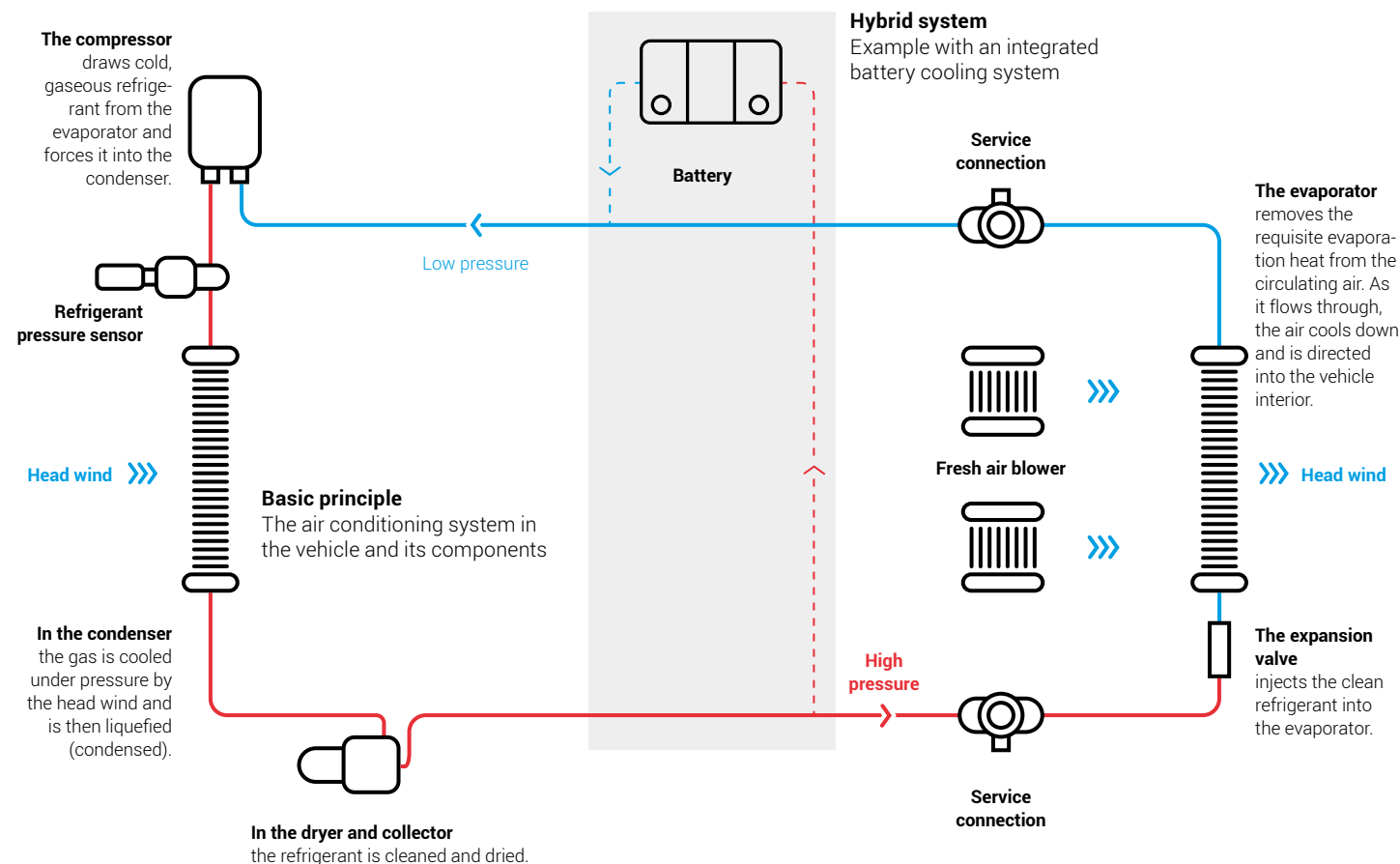
Even if the internal combustion engine will continue to accompany us for a long time to come - the number of electric vehicles on our roads is constantly increasing. So one thing is already certain: professional air conditioning service will continue to play a major role in the future. Because in vehicles with electric drives, air conditioning has a central task within thermal management. It not only ensures pleasant temperatures in the interior, but also keeps the battery at the optimum operating temperature during charging and driving - which has a major impact on the vehicle's range and the service life of the battery.

With their innovative oil bottle system, which prevents mixing of different oils, Robinair's new A/C service units are also ideally suited for working on air conditioning systems in hybrid and electric vehicles – so you are optimally equipped for the future!

Operation and maintenance of the air conditioning system:

The air conditioner is a system requiring maintenance, which consists of a multitude of components and which has to provide extreme performance during operation: In the circuit between compressor and expansion valve are at different pressures and the coolant changes its path during the process by system its state multiple times – from gaseous to liquid and back again. In addition it must be cleaned from impurities and air inclusions in the filter-dryer and extracted moisture will be.

In hybrid or electric vehicles, the battery cooling system will also be integrated into the coolant circuit. This makes the air conditioning system an essential factor for safety and driving comfort and should therefore be examined at regular intervals in order to prevent damage.



25700-E

Contaminated Refrigerant Recovery Machine

The Robinair 25700-E is designed to remove contaminated refrigerant from vehicles that are equipped with R-1234yf A/C systems.

Highlights:

- > Durable, compact, portable design allows users to recovery contaminated refrigerant easily at the vehicle
- > Low side hose with R-1234yf coupler and black recovery hose included
- > Proprietary oil-less compressor is capable of handling both liquid and vapor refrigerant
- > Self-purge function effectively removes any remaining refrigerant from the machine
- > A high pressure shut-off switch turns the machine off automatically if the pressure rises above 30 bar to protect the equipment Inlet filter screen stops debris from getting inside of the machine
- > Operating voltage – 230 V, 50 Hz AC
- > 2-1/2" High and low pressure gauges
- > 1/2 HP Motor
- > Weight 17 kg
- > Dimensions 33 x 23 x 48 cm
- > Meets all requirements of SAE J2851

25700-E (SP01977710): Contaminated Refrigerant Recovery Machine

R1234yf

R134a





Refrigerant identifier

16009 (SP00101054)

How pure is your refrigerant?

Most technicians never question the purity of virgin refrigerant, and most assume the refrigerant in a vehicle is “pure enough” unless the A/C system has a mysterious cooling problem. If a technician has no way of checking the refrigerant before they pull it out of a customer’s vehicle into their recovery equipment it may contaminate their service equipment as well as other vehicles that are serviced with the contaminated equipment. The best defence against unknown refrigerant and the risks associated with unknown refrigerant is a refrigerant identifier.

With the Robinair 16009 R-134a refrigerant identifier you can:

- › Protect your A/C service equipment
- › Know whether or not you have acceptable R-134a refrigerant before servicing the vehicle with the DiscovR refrigerant identifier
- › Guard against costly recovery equipment repairs

Specifications:

- › Input power: 12 V DC
- › Accuracy: pass/fail – 95 % pure R-134a
- › Air detection
- › Approvals: SAE J1771 – pending
- › CE-approved



16009

Robinair accessories program

ELECTRONIC TEST INSTRUMENTS

- › Refrigerant Identifier
- › Digital thermometers

FLUSHING KITS

LEAK DETECTION

- › Electronic leak detectors
- › Nitrogen kits
- › UV Dye leak detection

ACS ACCESSORIES

- › Special adapters and hoses
- › Oil / Lubricants
- › Filter dryers
- › Softwares and printers
- › Other accessories



Tecnoclim PRO PLUS2

RA007-PLUS2 (SP0F210042)

Self powered R-134 and R-1234yf automotive air conditioning diagnostic tool, Tecnoclim PRO PLUS2 allows measurements, monitoring, and automatic diagnosis of the full system’s cold loop, of each of its components. Intuitive and simple to use, it allows, through its USB PC connection, to store and print out detailed diagnostic reports.

Measurement mode:

- › High pressure, low pressure, refrigerant fluid temperatures (4 inputs), ambient and vent air temperatures and hygrometry displays
- › Simultaneous, graphical, or detailed data
- › Recording and printing functions

Monitoring mode:

- › A/C system efficiency
- › Condenser monitoring
- › Compressor monitoring
- › Refrigerant fluid load level monitoring
- › Expansion valve, orifice tube and evaporator monitoring

Diagnostic mode:

- › Fully guided procedure
- › High and low pressure, high and low refrigerant fluid temperatures, initial conditions, efficiency (ventilated air), over heating, and under cooling displays
- › Automatic analysis and interpretation of measurement’s results in the form of “probable fault reason”
- › Customer diagnostic report print-out

General features:

- › Power supply: Internal battery (autonomy 6 to 8 h) or using vehicle’s battery (from 9 to 38 V)
- › Display: TFT-LCD 4.3” – 16.7 M colors
- › Communication: USB type 1.1 – PC connection (records storage and printing management software provided)
- › Presentation: Plastic case with anti-shock buffer, case with user guide, USB cable and PC connection software and drivers
- › Accessories: 4 thermocouple sensors, 1 temperature/hygrometry wireless sensor, LP/HP valve adapter, fixing strap, mains battery charger, linear pressure sensor’s extention (optional)
- › Temperature use: from 0 to 50 °C; Storage: from –20 to 60 °C



RA007-PLUS2

General features	
Power supply	Internal battery (autonomy 6 to 8 h) or using vehicle's battery (from 9 to 38 V)
Display	Color back-lit graphical display (240 x 320)
Communication	USB type 1.1 – PC connection (records storage and printing management software provided)
Presentation	Plastic case with anti-shock buffer, case with user guide, USB cable and PC connection software and drivers
Accessories	4 thermocouple sensors, 1 temperature/hygrometry wireless sensor, LP/HP valve adapter, fixing strap, mains battery charger, linear pressure sensor's extention (optional)
Temperature	Use: from 0 to 50 °C; Storage: from –20 to 60 °C

Measurements	
Voltage measurement/ simulation	Range 0 – 5 V. Reading/simulation resolution: 0,01 V. Accuracy: 0,1 %
Frequency and RCA measurement/ simulation	Frequency range from 10 to 500 Hz (resolution 1 Hz) RCO range from 5 to 95 % (resolution 1 %)
Temperatures	THR sensor : from –10 °C to +50 °C TK sensor: from –30 °C to 120 °C
Hygrometry	THR sensor: from 5 to 95 %
High pressure	Range : from 0 to + 31 bar (resolution 100 mbar)
Low pressure	Range : from 0 to + 8 bar (resolution 10 mbar)

Refrigerant analyser

R-ID PLUS

The R-ID Plus R-1234yf / R-134a Refrigerant Analyzer is designed for use independently or in conjunction with an ACS machine to determine the purity of R-134a or R-1234yf refrigerant. The refrigerant analyzers use non-dispersive infrared (NDIR) technology to determine the weight concentration of R-1234yf or R-134a refrigerant. Acceptable refrigerant purity as it relates to these refrigerant analyzers have been defined by the SAE as a refrigerant mixture that contains 98.0% or greater of R-1234yf or R-134a by weight. Air is measured and displayed separately. Other contents such as refrigerant oil and dye are not considered contaminants.

It is supplied complete with an R-1234yf sample hose, an R-134a sample hose , a 100–240 VAC power transformer, built in lithium-ion battery, thermal printer and all required plumbing housed within a hard-shell portable storage case.

WHY?

Contaminated refrigerant **can damage your A/C machine**, leading to costly repairs. Impure refrigerant can contain leak-stoppers or other chemicals that can clog filters, coils, hoses and more within a machine. Contaminated refrigerant **can also damage a customer’s A/C system**, requiring costly replacement of system components and premature system failures. Testing refrigerant purity before recovery can prevent those contaminants from ever touching your machine – **keeping your investment running as intended**. Refrigerant analyzers are recommended prior to service either for R-1234yf and R-134a systems to **protect your equipment**.

Features

- › Quickly and accurately determines refrigerant purity
- › Advanced ergonomic design
- › Displays % purity for R-1234yf, R-134a, and R-12
- › Displays % for R-22, unknown refrigerant, and hydrocarbons
- › Displays air % independent of the refrigerant sampled
- › Capable of analyzing R-12 (1/4” flare coupler sold separately)
- › Multiple languages: English (default), German, Spanish, French, Italian, Portuguese, Chinese, Japanese, Korean, and Russian
- › Easily prints test results with built-in printer (optional)
- › Uses Standard 57 mm thermal paper
- › Improved oil resistance with user replaceable hose assembly
- › Fender-compatible resting surface
- › Full color liquid crystal display (LCD) with on-screen instructions
- › Accelerated 70 second test time
- › Internal, rechargeable lithium-ion battery for cordless operation in any location
- › USB port for connection to the A/C service machine and remote software updates
- › All accessories stored in a hard-shell portable storage case

Technical features	
Samples parameters	Vapor only, oil free, 300 psi (2 mpa) max.
Detected compounds	R-1234yf, R-134a, R-12, R-22, unknown refrigerant, and hydrocarbons
Sensor technology	Non-dispersive infrared (NDIR)
Refrigerant sample size	2 grams per sample
Power	12 V DC, 2 Amps max.
Operational temperature	10 – 50 °C

R-ID PLUS



IR thermometer pro

TIF7620 (SP0F210159)
Proven optical lens-accurate measurement; wide temperature range. Laser pointer easy to define the target area to be measured. Set alarm temperatures (low and high temperatures). Difference between MAX and MIN (DIF), and average (AVG) modes are available. The new TIF IR thermometer incorporates visual low battery indication and simple operation of two “AAA” batteries. It also includes an external temperature probe.

- Specifications:**
- Measurement range: –60 °C to +760 °C
 - Accuracy (15 °C to 35 °C): 1 °C
 - Response time: 0.5 sec.
 - Distance to spot: 20:1
 - Battery life: 18 hours
 - Dimensions: 175 x 39 x 72 mm
 - Weight: 180 g
 - External temperature probe-measurament range: –64 °C to +1,400 °C



TIF7620

Digital thermometer 180°

- RA43230EU** (SP00101824)
- Celsius or Fahrenheit selectable option
 - Temperature range: –50 °C to 150 °C
 - Accuracy: ± 1 °C (between –10 °C and 100 °C)
 - Display resolution: 0.1 °F/°C
 - Sampling time: 1 sec.
 - Auto Power off
 - Battery: One 1.5 Volt, size LR44



RA43230EU

Digital pocket thermometer

- RA43240** (SP01100356)
- Celsius or Fahrenheit selectable option
 - Temperature range: –40 °C to 200 °C
 - Accuracy: ± 1 °C (between –10 °C and 100 °C)
 - Display resolution: 0,1°F/°C throughout range
 - Sampling time: 1 sec.
 - Auto Power off
 - Battery: One 1.5 Volt, size LR44



RA43240

Robinair A/C flushing system

Car manufacturers have been giving precise guidelines for all the procedures required after the substitution of an A/C system component. The flushing kit for the A/C service units reloading stations has been developed in collaboration with the most important car manufacturers.

Flushing kits

ACT1234-SFK (SP00101176): Flushing kit for AC1234-x, AC1234-xi, AC1x34-x, AC1x34-xi, AC690PROyf, it contains flushing tank, filter dryer, sight glass, two service hoses SAE J2196 and J2888.

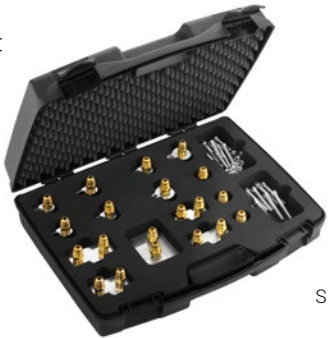
- Composition:
- **ACT1234** (SP00101175): Installation kit
 - **ACT2502-104** (SP00100734): Starter adapters kit



SP00101176

SP00101974 (SP00101974): Professional Flushing Adapter Kit

- Composition:
- 15 adapters for car and trucks
 - Vehicles application adapter list for car and trucks



SP00101974

Special adapters (optional)

- ACT1800-460** (SP00101283): By-pass filter dryer (VW group)
- ACT2602-273** (SP00101284): TXV valve bridge (VW group)
- ACT2600-185** (SP00101282): Large cone for universal adapter
- ACT2602-274** (SP00101285): TXV valve bridge S class (Mercedes-Benz)
- ACT2602-275** (SP00101286): TXV valve bridge C class (Mercedes-Benz)

Watch the VIDEO





R-134a and R-1234yf refrigerant leak detector

The Robinair LD7 Premium Refrigerant Leak Detector features a new color graphic display that highlights leak sizes in two unique ways. Bar graph mode shows the amount of refrigerant detected in the air and changes colors as the sensor gets closer to the leak. Sweep mode allows the user to see the level of refrigerant detected in the air through a line graph that helps the user trace back and forth to pinpoint the exact source of the leak. The LD7 also uses an audible alarm to alert technicians of a refrigerant leak, UV LED lights to locate leaks using UV dye and an inspection light for searching in dark locations. The LD7 is compatible with most commonly used refrigerants today, including R-134a and 1234yf, and is equipped with a stable, long life sensor that will last up to 10 years. The LD7 meets all of the current industry leak detector standards.

- LD7** (SP01500247)
R-134a and R-1234yf Electronic Leak detector
- › Color display with graphics and visual alerts
 - › Bar and Pinpoint graphing modes help locate leaks faster
 - › Loud audible alert with mute option
 - › UV and Clear LED inspection lights
 - › Automatic and manual calibration

- LD5** (SP01500248)
R-134a and R-1234yf Electronic Leak detector
- › Color display with graphics and visual alerts
 - › Bar graph mode helps locate leaks faster
 - › Loud audible alert
 - › LED inspection lights
 - › Automatic and manual calibration

- LD3** (SP01500249)
R-134a and R-1234yf Electronic Leak detector
- › Loud audible alert
 - › Automatic calibration



Premium Universal Leak Detector

COMING SOON

LD9
Clearly, air-conditioning service providers may not refill systems with fluorinated greenhouse gases if an abnormal amount of the refrigerant has leaked from the system, until the necessary repair has been completed. This tracer uses a non-toxic, non-flammable, environmentally-friendly (non-polluting) mixture of 5 per cent hydrogen and 95 per cent nitrogen. As a result, the mixture can be released into the environment after the leak detection procedure is completed. The mixture complies with Article 6, Paragraph 3 of EU directive 2006/40/EC. The leak detector reacts to the hydrogen component of the tracer – because hydrogen molecules are so small, it is an ideal gas for leak detection. The gas is charged into an empty system at a pressure of approximately 75 psi (5 bar). As hydrogen is lighter than air, always probe slightly above the suspected leak area. Once the source of the leak is located and repaired, the gas can be released and the system can be recharged again with refrigerant.

- › R-134a, R-1234yf, N2H2 tracer gas Electronic Leak detector
- › Color display with graphics and visual alerts
- › Bar and Pinpoint graphing modes help locate leaks faster
- › Loud audible alert with mute option
- › UV and Clear LED inspection lights
- › Automatic and manual calibration



LDx other common features
› Long Life Stable Sensor
› True mechanical pump
› Uses 4 AA alkaline batteries
› Low battery indicator
› Comfortable rubberized handle grip
› Certified to SAE J2791, J2913, ASHRAE 173-2012, EN14624-2012
› 26.6x5.2x5.2cm
› 680 gr (with batteries)

* Country Restriction on delivery

N ₂ H ₂ Tank refill, 2.2 l (4 pieces)	ACTN2H2* (SP00101996)
N ₂ H ₂ Tank refill, 1 l	ACTN2H2* (SP00101102)
N ₂ H ₂ Tank refill, 1 l (6 pices)	ACTN2H2* (SP00101997)

N₂H₂ tracer gas leak detection kits

Clearly, air-conditioning service providers may not refill systems with fluorinated greenhouse gases if an abnormal amount of the refrigerant has leaked from the system, until the necessary repair has been completed. This tracer uses a non-toxic, non-flammable, environmentally-friendly (non-polluting) mixture of 5 per cent hydrogen and 95 per cent nitrogen. The leak detector reacts to the hydrogen component of the tracer – because hydrogen molecules are so small, it is an ideal gas for leak detection. The gas is charged into an empty system at a pressure of approximately 75 psi (5 bar). Once the source of the leak is located the gas can be released and the system can be recharged again with refrigerant. The N₂H₂ leak detection kits can be used as a stand-alone kit or in configuration with our AC1234-8i, AC1234-7i, AC1x34-7i, AC1234-5i and AC1x34-5i.

FLG820**

- › FLG820-IT (IT, SI): SP00101945
- › FLG820-FR (FR, BE, PT, ES): SP00101946
- › FLG820-DE (DE, PL, NL, RO): SP00101947
- › FLG820-UK (GB, DK, IE): SP00101948

FLG720

- › FLG720-IT (IT, SI): SP00101991
- › FLG720-FR (FR, BE, PT, ES): SP00101992
- › FLG720-DE (DE, PL, NL, RO): SP00101993
- › FLG720-UK (GB, DK, IE): SP00101994

FLG220 (SP00101990)

- › Universal Leak Detector for R-134a, R-1234yf, H2

** Country Restriction on delivery



FLG820**



FLG720



FLG220

Nitrogen kits

This equipment is used for pressurising the A/C system with a neutral nitrogen and tracer gas. With a soap solution or an ultrasonic leak detector it is also possible to localise leaks. This kit is also necessary for removing all traces of solvent from an A/C system after flushing.

RA504075 (SP01100360)

- › N₂ kit for R-134a system
- › 0 – 38 bar pressure regulator with manometers
- › 2,5 mt service hose with R-134a quick coupler

RA504076 (SP00101196)

- › N₂H₂ kit for R-134a system
- › 0 – 10 bar pressure regulator with manometers
- › 2,5 mt Service hose with R-134a quick coupler

ACT50yf (SP00101589)

- › R-1234yf adapter for RA504075 and RA504076

ACT1234-NIK (SP00101952):

- › N₂H₂ Installation kit for ACxxxx-5i series

ACT1234-NXK (SP00101740)

- › N₂H₂ kit for new generation ACxxxx-xi unit



RA504075
RA504076



ACT50yf



ACT1234-NXK

Watch the
VIDEO



UV leak detection kit

Robinair’s ultraviolet leak detection kits help you find leaks fast, because you can actually see the leak. You don’t have false triggering or background contamination to contend with, as you do with other types of detectors. The dye combines with the refrigerant lubricant and migrates out at the leak, where it is illuminated in the beam of the UV light. UV leak detection can be used for both automotive and HVAC-R systems, and dyes won’t harm the system.

- › High intensity beam makes even small leaks visible and is bright enough to be used in daylight.
- › Rugged case and a shock-absorbing mounting mechanism protect the lamp during use and storage.
- › Designed with super luminescence, so leaks are easy to spot, even small ones.
- › Won’t affect the viscosity of refrigerant lubricants and is safe for the entire A/C system.

- RA16352EU** (SP0F210067)
- › Halogen UV lamp 12 volts 60 watt, vehicle battery connection about 3,000 hours life time
 - › UV shield glasses
 - › UV dye injection gun with connection for R-134a
 - › 4 UV universal dye cartridges 30 ml for 5 applications each
 - › Molded transport case

- 471547** (SP00101587)
- › R-1234yf adapter for RA16352EU and RA16355



UV dye injection kit

- RA16355** (SP0F210068)
- › Injection gun with R-134a hose and R12 adapter
 - › 4 universal A/C dye twist-on cartridges

Universal UV dye cartridges

- › Universal dye for R12, R-134a and R-1234yf
- › This type of packaging prevents fumbling or messy spills
- › Use with the Robinair injection kit RA16355, RA16352EU, RA16380EU.

- RA16356** (SP0F210069): each for 20 applications, 4x 30 ml
- RA16357** (SP0F210070): each for 6 applications, 6x 7.5 ml



UV Dye Cleaner

- 16212** (SP00101588)
- UV Dye Cleaner 237 ml



Oil/UV injector

Use these syringe-type injectors to inject oil into a fully pressurized A/C system. Just fill the barrel with the amount of oil needed (measurements are marked on the barrel body). Connect the injector fitting to the low side access port on the vehicle and press the plunger to deliver the oil charge.

- RA16256** (SP01100348)
- Syringe-type injector, R-134a low side quick coupler adapter and blister packing.

- SP00101018**
- Twister Oil/UV Injector for R-134a System

- SP00101465**
- R-1234yf adapter for Twister Oil/UV Injector SP00101018



Universal UV dye

- RA16286B** (1692600144)
- › 1x 240 ml – for 32 applications
 - › Universal for R12, R-134a and R-1234yf
 - › OEM approved and SAE certified dye in a squeezable dosing bottle



UV lamps

A high intensity lamp which makes even the smallest leak easy to spot. The durable design stands up to everyday use and the pistol-grip design is comfortable to hold.

- RA16296** (SP0F210066): Halogen UV leak detection lamp
- 12 volts UV leak detection, UV shield/enhancer glasses, power cord with battery clips, CE approved.

- RA16294EU** (SP00101332)
- Alubrite professional and compact 1 Watt LED leak detection lamp. Compatible with all UV leak detection dyes. It includes strap and UV glasses

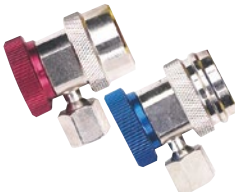
- RA16257** (SP0F210062): UV Goggles



Quick couplers for automotive

Service couplers connect to our special service hoses allowing access to service ports on automotive R-134a and R-1234yf A/C systems. Six-ball couplers have an integral safety sleeve which protect against injury and refrigerant loss if the coupler is disconnected under pressure. The compact design easily fits into tight areas.

- RA18190A** (SP01100021): Low side R-134a quick couple – SAE specification
- RA18191A** (SP01100023): High side R-134a quick couple – SAE specification
- 561666** (SP01100506): Low side R-1234yf quick couple – German OE specification
- 561665** (SP01100507): High side R-1234yf quick couple – German OE specification
- 563678** (SP01100525): Low side R-1234yf quick couple – SAE specification
- 563677** (SP01100524): High side R-1234yf quick couple – SAE specification


RA18191A
RA18190A

561665
561666

563677
563678

Special service port adapters

- ACT6003** (SP00100741): HP LP adapter (Renault) – Service port converter
- ACT6005** (SP0F210035): Audi adapter (old models)
- ACT6006** (SP0F210036): Volvo adapter (old models)
- ACT100731** (SP00100733): R12 adapter
- SP00101700** HP Service Port Adapter – HP Extension Service Port R-1234yf
- ACT12688** LP Service Port Adapter – LP Extension Service Port R-1234yf
- ACT12686** HP Service Port Adapter – HP Extension Service Port R-134a
- ACT12689** LP Service Port Adapter – LP Extension Service Port R-134a
- RA6050KIT** (SP00101408): Bus and Heavy Duty kit



ACT6003



RA6050KIT



ACT100731



ACT6005


ACT12686
SP00101700


ACT6006



ACT12689

Premium high vacuum pump oil

The performance of your pump depends largely on the quality and purity of the vacuum oil. Robinair's oil is engineered to maintain maximum viscosity at high running temperatures and to improve cold weather starts. To keep the pump operating at peak efficiency, change the oil frequently. Moisture and other contaminants can quickly deteriorate the purity of the oil, thinning the oil, and reducing the pump's ability to reach deep vacuum conditions.

Thermally stable:

Laboratory tests prove that Robinair oil is more thermally stable in comparison to other leading brands, which means it resists breaking down due to heat for a longer period of time.

Lower moisture content:

Robinair oil has a lower moisture content than other oils. Moisture degrades the oil purity, thinning it and reducing the pump's ability to reach a deep vacuum.

- 5604052** (SP00100086): Vacuum pump oil, 1 bottle 600 ml
- 5604052PACK** (SP00100088): Vacuum pump oil, 12 bottles 600 ml



5604052

Oil bottles

- PAGRF46** (SP00101036): PAG 46 oil bottle, 250 ml
- PAGRF100** (SP00101034): PAG 100 oil bottle, 250 ml
- PAGRF150** (SP00101035): PAG 150 oil bottle, 250 ml
- POERFOIL** (SP00101586): POE Oil Bottle for R-134a Electrical and Hybrid systems, 250 ml
- PAGRF46yf** (SP00101422): PAG 46 oil bottle for R-1234yf, 250 ml
- POERFOILyf** (SP00101827): POE Oil Bottle for R-1234yf Electrical and Hybrid systems, 250ml
- PAGRFSD** (SP00101828): PAG Oil Bottle for R-134a and R-1234yf Electrical and Hybrid systems with SANDEN SPA2, 250ml



PAGRF46

Filter dryer

Replacement filter to keep recovery and recycling unit operating at peak efficacy especially blended for maximum acid moisture removal application.

- 5117399** (SP00100001): Filter dryer: AC590PRO, AC690PRO, AC790PRO service units
- SP00101192** (SP00101192): Filter dryer: ACM3000, AC595PRO, AC690PROyf, AC595PROyf service units
- 34724** (SP01100355): Filter dryer: AC1234 service units
- 5117524** (SP00100146): Filter Dryer: Flushing kit



5117399



34724

5117486

A/C database

AC3139 (SP00101830): R-134a vehicles A/C system refrigerant and oil quantities database. PS2 HW key, Full install for ACxxxPRO and ACM3000 units

AC3140 (SP00101831): R-134a vehicles A/C system refrigerant and oil quantities database. PS2 HW key, Update install for ACxxxPRO and ACM3000 units

AC3140yf (SP00101995): R-1234yf vehicles A/C system refrigerant and oil quantities database. PS2 HW key, Update install for ACM3000yf units

AC3239 (SP00101833): R-134a vehicles A/C system refrigerant and oil quantities database. SD card, Full install for AC1x34-3 units

AC3239yf (SP00101834): R-1234yf vehicles A/C system refrigerant and oil quantities database. SD card, Full install for AC1234-3 and AC690PROyf units

AC3339 (Coming soon): R-134a and R-1234yf vehicles A/C system refrigerant and oil quantities database. USB pendrive, Update install for AC1X34-xi and AC1234-xi Andiamo units



AC31xx

WiFi Connection

SP00101352: WiFi Connection kit for AC1234 series and AC788PRO

SP00101379: WiFi Connection kit for AC1234-xi series

Printers

SP00101306: Printer For AC1X34-3 service unit. Easy to install

650-STP (SP00100728): Printer for AC590PRO. Easy to install

3000-STP (SP00100419): Printer for all ACM3000. Easy to install

5607069 (SP00100087): Printer paper. One roll printer paper for all Robinair service units

ACT1234-PIK (SP00101953): Printer Installation kit for ACxxxx-5i series



650-STP

Refrigerant Identifier kit for AC1234-xi generation

ACT1234-RIK (SP00101951): R-1234yf Refrigerant Identifier Kit for AC1234-xi series

Hoses extensions

RA245VSK (SP00100075): Hoses extension R-134a 2.44 m (ACME connection)

RA500VSK (SP01100358): Hoses extension R-134a 5 m (ACME connection)

1234-SH5 (SP00101877): Hose extension R-1234yf 5 m for AC1234-xi series and ACM3000yf

1x34-SH5 (SP00101878): Hose extension R-134a 5 m for AC1234-xi series



RA245VSK

Safety kit

ACT781 (SP00100744)

Premium quality industrial gloves. This equipment complies with European Directives 89/668EEC. EN388 Standards. Mechanical risks protection. Goggles protect against liquid splashes and large dust particles. Hard coated polycarbonate lens, 4 indirect vents in frames, elastic head band.



ACT781

Conversion kit for AC1x34 series

1x34-7CONV (SP01100049): R-1234yf Conversion kit for AC1x34-7

1x34-3CONV (SP01100518): R-1234yf Conversion kit for AC1x34-3

1x34-7iCONV (SP00102091): R-1234yf Conversion kit for AC1x34-7i

Miscellaneous

STRPK_134 (SP00101416): Starter Kit R-134a

Kit contains: dust cover, O'Ring kit, UV Dye 240 ml, PAG oil bottle PAG 46 (250 ml), UV lamp and goggle, safety kit

STRPK_1234yf (SP00101409): Starter Kit R-1234yf

Kit contains: O'Ring kit, UV Dye 240 ml, PAG oil bottle PAG 46 (250 ml), UV lamp and goggle, safety kit

RA161000 (SP0F210059): O'Ring kit for AC system

RA162000 (SP00101681): Schrader Valves kit

SP00101973 (SP00101973): Spring-lock kit

The kit contains the most used spring lock tools for working on of several different vehicle AC system connections.

All the spring locks meet the technicla specifications of car manufacturers (Audi, Toyota, VW, FORD, OPEL).

Service Magnet (SP00101972)

Strong permanent magnet for operating magnetic valves by hand. Fits virtually all solenoid valve stems up to a core diameter of 20 mm



STRPK_1234yf



RA162000



SP00101973



RA161000



SP00101972

**For further information on Robinair products please visit
www.robinair.com or contact your local wholesaler.**

