

# ROBINAIR FLUID PRODUCTS

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# ROBINAIR FLUID PRODUCTS

Recovery / Recycling

**COOLTECH**  
2K



342000



Design certified by UL to meet SAE J-2210.

## Automatic Operation

- Automatic Refrigerant Refill
- Automatic Refrigerant Identification
- Automatic Air Purge
- Automatic Oil Drain
- Automatic Clearing after every job

## R-134a Recovery, Recycling, Evacuation, and Recharging

The Industry's Most Advanced Model is also

### The Easiest To Use!

The 342000 automates A/C service from start to finish. Using temperature probes and service hoses, it gives you a snapshot of the system's operation — which can be printed — then verifies the refrigerant type, recovers, recycles, evacuates, and recharges. It even drains system oil once the job is finished.

### Exceptional Accuracy

**Electronic Scale** — Scale is mounted internally and includes built-in dampening of shock loads that occur when the unit is moved over gravel or an uneven floor.

**Microprocessor** — Controls functions; typical evacuation time and recharge amounts are pre-programmed as defaults, but can be easily changed as needed; also signals when it's time to drain the oil container, change the filter-drier or source tank.

**Refrigerant Identifier** — Can save you thousands of dollars by warning you of contaminated or mixed refrigerants. Verifies 98% purity automatically at the beginning of each job.

### Unmatched Speed

**6 CFM Vacuum Pump** — Our CoolTech pump has the power to quickly evacuate the system prior to recharging.

**Heavy-Duty Compressor** — Pulls from both the high- and low-sides for fastest recovery; initial pass through the filter-drier provides single pass recycling.

**Oil Injection** — Lets you replace system oil in seconds through the service hoses, while the system is in a vacuum, with no other connections needed — just press a button.

### All controls are at your fingertips...

**Refrigerant Identifier** — If contaminated refrigerant is detected, recovery is stopped to protect the unit and your shop's refrigerant supply.

**Built-in Printer** — Increases customer confidence, simplifies diagnosis and provides a record of service; just press "Print" to get a hard copy of pressures/temperature, ambient conditions, and other data.

**Plain Language Prompts** — Clearly tells the technician what needs to be done, right down to opening service couplers, or what function the unit is currently performing. Select **English**, **French**, or **Spanish**; also select **pounds** or **kilograms**.

**No. 342000** — CoolTech-2K R-134a recovery, recycling, evacuation, and recharging unit.

### Replacement Parts

**No. 34724** — Spin-On Recycling Filter-Drier

**No. 16913** — Refrigerant Identification Filter

**No. 34215** — Thermal Paper for Printer

**No. J-45268** — Flushing Kit Adapter

Protect your investment with a heavy-duty vinyl dust cover; see page 335.

[www.rossairworks.com](http://www.rossairworks.com)

ROBINAIR

# ROBINAIR FLUID PRODUCTS

Recovery / Recycling

## CoolTech...takes the guesswork out of A/C service!

Control panel is at optimum angle for viewing during operation; gauges are 4" diameter.

Refrigerant identifier filter is easy to reach for replacement.

Printer provides handy hard copy of vehicle operation data.

Bottle for oil injection mounts on side.

Rounded corners prevent damage to vehicle.

High impact polypropylene is impervious to chemicals commonly used in the shop environment.

Construction is lightweight and durable.

Unique "sidewinder" cabinet with large wheels and casters makes unit easy to position near the vehicle.

Indicator light flashes after each operation is complete.

Large, high resolution display is easy to read.

Keypad is clearly marked and simple to understand following display prompts.

Handle is ergonomically located so the unit moves with less effort.

Rear door opens for access to the filter-drier.

Source tank is readily accessible.

Oil drain bottle is calibrated to show how much should be replaced.

Back of Unit — Two temperature probes with 15' cords are included.

### Takes the guesswork out of A/C service!

**Snapshot Mode** — Shows date/time, minimum low-side and maximum high-side pressures, ambient conditions, refrigerant type, duct temperature, and amount of refrigerant recovered. Results can be printed and shown to the customer.

**Recharging** — Transfers charge in minutes and is accurate, to  $\pm$  one ounce.

**Air Purge** — Tests refrigerant before recovery and continuously monitors refrigerant in the internal vessel; automatically purges air as needed.

**Temperature Probes** — Two probes are included, so there's no need for separate thermometers; you can check both front and back vents for adequate cooling.

**Built-In Diagnostics** — If any operating parameters are incorrect, unit alerts you so corrections can be made.

**Constant Refrigerant Refill** — Maintains 12 to 15 lbs. (5.44 to 6.8 kg) of refrigerant in the internal storage vessel so you'll never have to stop in the middle of a job to refill the tank; all it takes to change the source tank is one fast connection.

### Here's how the 342000 simplifies A/C service...

**Identification** — Active flow control protects the identifier from damaging liquid refrigerant, oil, and other contaminants.

**Recovery** — Automatically restarts if the unit senses a rise in pressure.

**Simple Maintenance** — Filter-drier life is monitored by the microprocessor; when prompted, the unit automatically pumps down and evacuates the filter-drier before and after charging.

**Power Charge** — If the transfer of refrigerant stalls for 30 seconds, the unit goes into an automatic power charge mode, building pressure to force the charge.

### Specifications

Voltage.....	115V 60 Hz
Source Tank.....	30 or 50 lbs. (23 kg) not included
Operating Range.....	50° to 120° F (11° to 49° C)
Recycling Filter-Drier.....	43 cu. in. (710 cc) spin-on
Scale Resolution.....	1/100 lb. (.02 kg)
Dimensions.....	52" H x 33" W x 20" D (132 cm x 83.8 cm x 50.8 cm)
Weight.....	202 lbs. (91.63 kg) without source tank

# ROBINAIR FLUID PRODUCTS

Recovery / Recycling

## COOLTECH 34700Z



34700Z

## R-134a Recovery, Recycling, Evacuation, and Recharging

### Combines simple operation with superior accuracy

The CoolTech 34700Z recovers, recycles, evacuates, leak tests, and recharges R-134a quickly and accurately.

**Automatic Function** — With this new option, you can program the unit to recover, vacuum, leak test, charge, and then walk away without having to operate panel valves.

**Vacuum Leak Test** — Will monitor the vacuum level after an evacuation, and inform the technician of a possible leak in the vehicle's A/C system.

**Automatic Refrigerant Refill** — With this latest advance, you never have to stop in the middle of a job to change refrigerant tanks. The unit maintains 12 to 15 pounds of refrigerant in an internal vessel, and signals when it's time to change the supply tank, so no monitoring is required.

**Automatic Air Purge** — Eliminates damaging air without any monitoring of gauges or opening of valves.

**Automatic Oil Drain** — The unit automatically drains system oil captured during recovery, and the display reminds you to empty the bottle.

**Refrigerant Charging** — Has never been this easy. Select a charge mode from either the high-side, low-side, or both.

### Accuracy features eliminate guesswork!

**Electronic Scale** — The scale weighs recovered refrigerant and charges by weight for greatest accuracy.

**Internal Storage Vessel** — Refrigerant is recovered into and charged out of this vessel, which is permanently mounted to the electronic scale for continuing reliability.

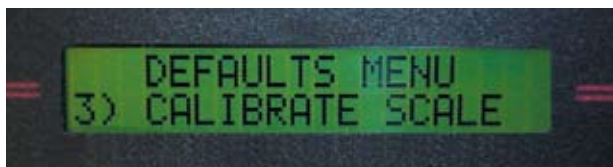
**Internal Manifold** — A Robinair exclusive, this block manifold contains all the solenoids that control refrigerant flow in and out of the unit, reducing the possibility of leaking connections and eliminating the need to operate panel valves.

**No. 34700Z** — CoolTech recovery/recycling unit.

### Replacement Part

**No. 34724** — Spin-on recycling filter-drier.

## Alpha-numeric menu displays in English, French, Spanish, or Japanese



**Alpha-Numeric Display** — The scrolling display shows messages, so it's clear what your choices are or what needs to be done. You can select English, French, Spanish, or Japanese, as well as pounds or kilograms.

# ROBINAIR FLUID PRODUCTS

Recovery / Recycling

The next generation 34700Z platform is based on the same features, reliability, and robust design as the 34700-2K plus....

**Automatic Operation** allows the technician to program the unit to recover, recycle, evacuate, leak test, recharge, and then walk away without having to operate panel valves.

**Vacuum Leak Test** will monitor the vacuum level after an evacuation and inform the technician of a possible leak in the vehicle's A/C system.

**Large 4" diameter gauges.**

**Tool tray.**

**LEDs indicate charge mode.**

**On-board oil injection.**

**Easy access service door.**

**Improved User Interface** prompts the technician all the way through a service. It is as simple as following the instructions that scroll across the display.

**Programmable operation** English, French, Spanish, and Japanese languages built-in.

**Hose and power cord storage.**

**Docking ports for couplers.**

**Automatic oil drain** with graduated bottle.

**Automatic tank refill**  
Supply tank not included.

**Large pneumatic tires & casters** make unit easy to position near vehicle.



Design certified by UL to meet SAE J-2210.

## Specifications

<b>Voltage</b> .....	115V 60 Hz
<b>Refrigerant Container</b> .....	On-board 30 lb. (14 kg)
..... vessel (source tank not included)	
<b>Operating Range</b> .....	50° to 120°F (11° to 49°C)
<b>Recycling Filter-Drier</b> .....	43 cu. in. spin-on type
<b>Pump Free Air Displacement</b> .....	3.0 cfm (85 l/min)
<b>Dimensions</b> .....	50" H x 34" W x 23" D
.....	(127 cm x 86.4 cm x 58.4 cm)
<b>Shipping Weight</b> .....	235 lbs. (106.6 kg)

Protect your investment with a heavy-duty vinyl dust cover; see page 335.



34715

Identifier bracket easily attaches to the 34700Z unit to mount 16900 series refrigerant identifiers.

# ROBINAIR FLUID PRODUCTS

Recovery / Recycling

## COOLTECH 34788



34788



Compliant to SAE-J2788,  
effective 12/06

## R-134a Recovery, Recycling, Evacuation, and Recharging

### The New Efficiency Standard

The 34788 recovers 95% of the refrigerant and has a charge accuracy of +/- 1/2 oz. The oil inject feature has less than 1% cross contamination.

**Automatic Function** — With this new option, you can program the unit to recover, vacuum, leak test, charge, and then walk away without having to operate panel valves.

**Vacuum Leak Test** — Will monitor the vacuum level after an evacuation, and inform the technician of a possible leak in the vehicle's A/C system.

**Automatic Refrigerant Refill** — With this latest advance, you never have to stop in the middle of a job to change refrigerant tanks. The unit maintains a user selectable amount (4 to 20 lbs.) of refrigerant in an internal vessel, and signals when it's time to change the supply tank, so no monitoring is required.

**Automatic Air Purge** — Eliminates damaging air without any monitoring of gauges or opening of valves.

**Automatic Oil Drain** — The unit automatically drains system oil captured during recovery. Graduations on the container clearly show how much oil needs to be replaced.

**Refrigerant Charging** — Has never been this easy. Select a charge mode from either the high-side, low-side, or both.

### Accuracy features eliminate guesswork!

**Electronic Scale** — The scale weighs recovered refrigerant and charges by weight for greatest accuracy.

**Internal Storage Vessel** — Refrigerant is recovered into and charged out of this vessel, which is permanently mounted to the electronic scale for continuing reliability.

**Internal Manifold** — New, larger solenoids and flow paths make this model more robust than ever. The block manifold design minimizes leak points and eliminates the need to operate panel valves.

**Refrigerant Management System** — New and improved system displays refrigerant use and monitors remaining filter life. Prompts appear when 1/3 of filter life remains.

**No. 34788** — CoolTech recovery/recycling unit.

### Replacement Part

**No. 34724** — Spin-on recycling filter-drier.

## Alpha-numeric menu displays in English, French, Spanish, or Japanese



**Alpha-Numeric Display** — The scrolling display shows messages, so it's clear what your choices are or what needs to be done. You can select English, French, Spanish, or Japanese, as well as pounds or kilograms.

# ROBINAIR FLUID PRODUCTS

Recovery / Recycling

The next generation 34788 platform is based on the same features, reliability, and robust design as the 34700Z plus....

Control panel offers flat storage feature when not in use

Large, 4" diameter gauges

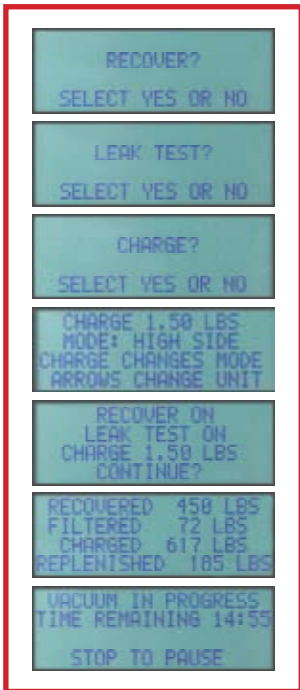
Two large tool storage areas

Change between traditional & hybrid vehicle systems without fear of cross contamination with improved oil injection



Database expansion slot \* Optional Databases Available Soon

## Service Prompts



New 2X larger display makes the 34788 easier than ever to use

Design certified by UL to meet SAE J-2788



- Built-in storage for extra filter
- On-board storage for compressor oils

\* Extra filter & bottles not included



### Specifications

Voltage	115V 60 Hz
Refrigerant Container	30 lb. (14 kg)
	vessel (source tank not included)
Operating Range	50° to 120°F (11° to 49°C)
Recycling Filter-Drier	43 cu. in. spin-on type
Pump Free Air Displacement	3 cfm (85 l/min)
Dimensions	44" H x 34" W x 23" D
	(127 cm x 86.4 cm x 58.4 cm)
Shipping Weight	235 lbs. (106.6 kg)

Protect your investment with a heavy-duty vinyl dust cover; see page 335.



# ROBINAIR FLUID PRODUCTS

Recovery / Recycling

## COOLTECH 134



34134Z



Design certified by UL to meet SAE J-2210.

## R-134a Recovery, Recycling, Evacuation, and Recharging

The CoolTech 34134Z recovers, recycles, evacuates, and recharges R-134a refrigerant quickly and accurately.

- Automatic recovery/recharge by weight.
- Programmable vacuum time intervals.

**Manual Air Purge** — Removes air from the internal storage vessel. The gauges on the control panel show when to purge the air.

**Oil Drain** — The display reminds you to drain the system oil captured during recovery. Graduations on the container clearly show how much oil needs to be replaced.

**Oil Inject** — System prompts user to inject oil before charge. O-ring on oil reservoir provides visual reference on graduated container.

**Electronic Scale** — The scale is mounted internally for protection, and has a dampening mechanism that protects against impact shocks, such as movement over rough surfaces. The scale weighs recovered refrigerant, and the unit charges by weight for greatest accuracy.

**Internal Storage Vessel** — Refrigerant is recovered into and charged out of this vessel, which is permanently mounted to the electronic scale for continuing reliability.

**Internal Manifold** — Block manifold contains solenoids that control refrigerant flow, reducing the possibility of leaking connections.

### Maintenance Prompts

- System prompts user to change vacuum pump oil when needed.
- System prompts user to change filter-drier when needed.

### Easy to Use!

**Ergonomic Design** — The cabinet is easy to maneuver between service bays and position near the vehicle.

**Gauges** — The high- and low-side gauges are mounted at an angle that's easy to see.

**Unit of Measure** — Select pounds or kilograms through the menu.

**No. 34134Z** – CoolTech recovery, recycling, recharging unit.

Protect your investment with a heavy-duty vinyl dust cover; see page 335.

### Specifications

Voltage	115V 60 Hz
Total Amp Draw	8.0 amps
Refrigerant Container	On-board 30 lb. (14 kg) vessel (source tank not included)
Operating Range	50° to 120° F (11° to 49° C)
Recycling Filter-drier	43 cu. in. in-line (710 cc)
Pump Free Air Displacement	3 cfm (71 //min.)
Dimensions	50" H x 34" W x 23" D (127 cm x 86.4 cm x 58.4 cm)
Shipping Weight	225 lbs. (102 kg)



# ROBINAIR FLUID PRODUCTS

Recovery / Recycling

## International Models for R-134a, R12 Recovery, Recycling, Evacuation, and Recharging

Combines simple operation with superior accuracy the CoolTech 700 recovers, recycles, evacuates, and recharges R-134a quickly and accurately. Built in the new "sidewinder" cabinet, it combines proven technology with the latest in time-saving features.

### Automatic operation means less attention is needed!

**Automatic Refrigerant Refill** — With this latest advance, you never have to stop in the middle of a job to change refrigerant tanks. The unit maintains 12 to 15 pounds (5.44 to 6.80 kg) of refrigerant in an internal vessel, and signals when it's time to change the supply tank so no monitoring is required.

**Automatic Air Purge** — Eliminates damaging air without any monitoring of gauges or opening of valves.

**Automatic Oil Drain** — The unit automatically drains system oil captured during recovery, and the display reminds you to empty the bottle. Calibrations on the container clearly show you how much oil needs to be replaced. Accuracy features eliminate guesswork!

**Electronic Scale** — The scale is mounted internally for protection and has a dampening mechanism that protects against impact shocks, such as movement over rough surfaces. The scale weighs recovered refrigerant and charges by weight for greatest accuracy.

**Internal Storage Vessel** — Refrigerant is recovered into and charged out of this vessel, which is permanently mounted to the electronic scale for continuing reliability.

**Internal Manifold** — A Robinair exclusive, this block manifold contains all the solenoids that control refrigerant flow, reducing the possibility of leaking connections.

**Ergonomic Design** — The cabinet is easy to maneuver between service bays and position near the vehicle.

**Large Gauges** — The high- and low-side gauges are mounted at an angle that's easy to see, and they're a full 4" (10.2 cm) in diameter.

### Features that speed service

- 6 CFM vacuum pump for fast, thorough pull-down.
- Heavy-duty compressor pulls from both sides during recovery.
- Single-pass recycling meets SAE specs.
- Oil injector lets you add system oil in seconds.

**No. 34711-2K** — R-134A Recovery, Recycle, and Recharge.

**No. 34724** — Spin-on filter.

Protect your investment with a heavy-duty vinyl dust cover; see page 335.

### Specifications

<b>Voltage</b> .....	220V – 240V 50/60 Hz
<b>Refrigerant Container</b> .....	On-board 30 lb. (14 kg) vessel ..... (source tank not included)
<b>Operating Range</b> .....	50° to 120° F (11° to 49° C)
<b>Recycling Filter-Drier</b> .....	43 cu. in. spin-on type
<b>Pump Free Air Displacement</b> .....	3.0 cfm (85 l/m)
<b>Dimensions</b> .....	52" H x 33" W x 20" D (132 cm x 83.8 cm x 50.8 cm)
<b>Weight</b> .....	180 lbs. (81.65 kg)

## COOLTECH 700



34711-2K



**Alpha-numeric menu displays in English, French, Arabic, Spanish, Chinese, or Korean.**

The scrolling display shows messages so it's clear what your choices are or what needs to be done.



ROBINAIR

# ROBINAIR FLUID PRODUCTS

Recovery / Recycling

## COOLTECH<sup>™</sup> AC375C



Operational symbols in the following languages:  
Arabic, Chinese (simplified), Chinese (traditional), English, French, Hebrew, Korean, Portuguese, and Spanish.

CE

AC375A

### Specifications

Voltage	220 — 230V 50/60 Hz
Refrigerant Container	On-board 30 lbs. (14 kg) vessel (Source tank not included)
Operating Range	50° to 120°F (11° to 49°C)
Recycling Filter-Drier	16 cu. in. in-line (262 cc)
Pump Free Air Displacement	3.0 cfm (85 L/m)
Dimensions	52" H x 33" W x 20" D (132 cm x 83.8 cm x 50.8 cm)
Weight	232 lbs. (105 kg)

## International Models for R-134a, R12 Recovery, Recycling, Evacuation, and Recharging

Combines Simple Operation with Superior Accuracy.

- Automatic recovery/recharge by weight
- Automatic vacuum by time

**Automatic Air Purge** – Eliminates damaging air without any monitoring of gauges or opening of valves.

**Oil Drain** – The display reminds you to drain the system oil captured during recovery. Calibrations on the container clearly show you how much oil needs to be replaced.

**Oil Inject** – System prompts user to inject oil before charge. Reservoir provides visual reference on calibrated container.

**Electronic Scale** – The scale is mounted internally for protection, and has a dampening mechanism that protects against impact shocks such as movement over rough surfaces. The scale weighs recovered refrigerant and charges by weight for greatest accuracy.

**Internal Storage Vessel** – Refrigerant is recovered into and charged out of this vessel, which is permanently mounted to the electronic scale for continuing reliability.

**Internal Manifold** – Block manifold contains solenoids that control refrigerant flow for easy operation, also reducing the possibility of leaking connections.

### Maintenance Prompts

- System prompts user to change vacuum pump oil when needed.
- System prompts user to change filter-drier when needed.

**Ergonomic Design** – The cabinet is easy to maneuver between service bays and position near the vehicle.

**Gauges** – The high and low side gauges are mounted at an angle that's easy to see.

**Unit of Measure** – Select pounds or kilograms through the menu.

### Features that Speed Service

- 142 l/m vacuum pump for fast, thorough pull-down.
- Heavy-duty compressor pulls from both sides during recovery.
- Single pass recycling.
- Oil injector lets you add system oil in seconds.

**No. AC375A** – R-134A recovery, recycle, evacuates, and recharge.

# ROBINAIR FLUID PRODUCTS

Recovery / Recycling

## For Multiple Refrigerants...

The 17800B recovers, recycles, evacuates and recharges — all in one fast, continuous operation through one hook-up. It's ideal for refrigerated trailers, buses, RVs, and other vehicles that use more than one refrigerant. The CoolTech Multi is also great for fleet maintenance, covering a variety of makes and models since it has both R-12 and R-134a capabilities. In-plant maintenance departments will find it can handle the different types of refrigerants used in various systems.

## Proven technology simplifies service!

**Microprocessor** — Controls functions; prompts lead you through programming and also signal when it's time to change the filter-drier, vacuum pump oil, and compressor oil.

**Float Chamber** — Automatically adjusts from liquid to vapor for most efficient recovery.

**Electronic Scale** — Makes it simple to recharge to factory specifications; also weighs recovered refrigerant and provides tank overflow protection.

**CoolTech Vacuum Pump** — 6 CFM has the capacity to thoroughly evacuate the system, readying it for recharging.

## Versatility for many types of systems!

**Lockout Panel** — Prevents mixing of refrigerants; rotates to one side for 1/4" fittings and to the other for 1/2" Acme fittings.

**Single-Pass Recycling** — Makes an initial pass through the filter-drier; additional recycling can be programmed in case of compressor burn-out, or other conditions.

**Heavy-Duty Filter-Drier** — Removes moisture and acid from the refrigerant; can handle up to 200 pounds between change-overs. Comes with two 50 pound tanks, one with 1/4" fittings and the other with 1/2" Acme fittings. Also three sets of charging hoses are included — one for R-12, one for automotive R-134a (with field service couplers), and one for other refrigerants using 1/4" SAE fittings.

**No. 17800B** — Multiple refrigerant recovery, recycling, and recharging machine.

### International Models

**No. 17801B** — 220–240V 50 Hz, readout in kilograms.

### Replacement Parts

**No. 19776** — Recycling filter-drier.

**No. 17506** — 50 lb. (23 kg) refillable tank, 1/4" fittings.

**No. 34750** — 50 lb. (23 kg) refillable tank, 1/2" ACME fittings.



One piece of equipment is all you need for A/C and refrigeration service.

**COOLTECH**  
MULTI



Design certified by UL to meet SAE J-1770.

**17800B**

**Recovers, Recycles, Evacuates, and Recharges R-12, R-134a, R-22, R-502, MP and HP Blends — and many more!**

**Also great for in-plant maintenance!**

### Specifications

Voltage.....	115V 60 Hz
Tanks.....	Two 50 lb. (23 kg) refillable
Operating Range.....	50° to 105° F (11° to 41° C)
Recovery Rate.....	Vapor — 1/2 lb/min. (.2 kg/min.)
.....	Liquid — 1 lb/min. (.4 kg/min.)
Recycling Rate.....	4 lbs/min. (1.8 kg/min.) flow rate
Recycling Filter-Drier.....	1150 g XH-9
Pump Free Air Displacement.....	6 cfm (142 l/m) at 50 Hz
Dimensions.....	47" H x 26" W x 30" D
.....	(119 cm x 66 cm x 77 cm)
Weight.....	256 lbs. (116 kg) without tank

# ROBINAIR FLUID PRODUCTS

## Recovery / Recycling



17700Z

**Recovery,  
Recycling,  
Evacuation,  
and Recharging  
for R-12**

Design certified by UL  
to meet SAE J-1990.



### Specifications

Voltage	115V/60Hz
Refrigerant Container	On-board 30 lb. (14 kg) vessel (source tank not included)
Operating Range	50° to 120° F (11° to 49° C)
Recycling Filter-Drier	43 cu. in. spin-on type
Pump Free Air Displacement	6 cfm (142 l/m)
Dimensions	50" H x 34" W x 23" D (127 cm x 86.4 cm x 58.4 cm)
Weight	234 lbs. (106.6 kg)

## R-12 Recovery, Recycling, Recharging

Fully automatic function lets you recover, vacuum, leak test, charge, and then walk away. Combines simple operation with superior accuracy. The CoolTech 17700Z recovers, recycles, evacuates, leak tests, and recharges R-12 quickly and accurately.

### Automatic operation means less attention is needed!

**Automatic Function** — With this new option, you can program the unit to recover, vacuum, leak test, charge, and then walk away without having to operate panel valves.

**Vacuum Leak Test** — Will monitor the vacuum level after an evacuation, and inform the technician of a possible leak in the vehicle's A/C system.

**Automatic Refrigerant Refill** — With this latest advance, you never have to stop in the middle of a job to change refrigerant tanks. The unit maintains 12 to 15 pounds of refrigerant in an internal vessel, and signals when it's time to change the supply tank, so no monitoring is required.

**Automatic Air Purge** — Eliminates damaging air without any monitoring of gauges or opening of valves.

**Automatic Oil Drain** — The unit automatically drains system oil captured during recovery, and the display reminds you to empty the bottle. Graduations on the container clearly show you how much oil needs to be replaced.

**Refrigerant Charging** — Has never been this easy. Select a charge mode from either the high side, low side, or both.

### Accuracy features eliminate guesswork!

**Electronic Scale** — The scale is mounted internally for protection and has a dampening mechanism that protects against impact shocks, such as movement over rough surfaces. The scale weighs recovered refrigerant and charges by weight for greatest accuracy.

**Internal Storage Vessel** — Refrigerant is recovered into and charged out of this vessel, which is permanently mounted to the electronic scale for continuing reliability.

**Internal Manifold** — A Robinair exclusive, this block manifold contains all the solenoids that control refrigerant flow in and out of the unit, reducing the possibility of leaking connections and eliminating the need to operate panel valves.

### Best of all, it's easy to use!

**Ergonomic Design** — The cabinet is easy to maneuver between service bays and position near the vehicle.

**Large Gauges** — The high- and low-side gauges are mounted at an angle that's easy to see, and they're a full 4" in diameter.

Features that speed service:

- 6 CFM vacuum pump for fast, thorough pull-down.
- Heavy-duty compressor pulls from both high- and low-side.
- Single-pass recycling meets SAE specs. Oil injector lets you add system oil in seconds.

**No. 17700Z** — R-12 recovery, recycling, & recharging unit.

**No. 17492** — Dust cover.

# ROBINAIR FLUID PRODUCTS

Recovery / Recycling

## Universal Recovery Station For Contaminated Or Mixed Refrigerant...

With the CoolTech 680, you don't have to turn away an A/C job because the refrigerant is contaminated. This is a recovery-only unit designed for quickly capturing contaminated or unknown refrigerants, mixtures, and blends. It protects your recovery/recycling equipment and your shop's refrigerant supply.

- Recover into one 50-lb. tank for collection and off-site disposal. (Mixtures and blends cannot be recycled.)
- Simple to hook up and operate with instructions printed on the control panel for quick reference.
- Other features include an air regulator for compressor air supply; air line lubricator, which prolongs motor life by supplying continuous lubrication; and tank pressure gauge.
- Two hoses are included, one with a 1/4" MFL fitting and one with a 1/2" Acme field service coupler.

### Here's how the CoolTech 680 works:

- Connect service hose (included) to A/C system's low-side access port.
- Turn switch to "Start." Recovery begins immediately.
- Watch the inlet pressure gauge — it shows when the system has been pulled into a vacuum — recovery is complete.

### Includes User Safety Features

- The unit runs on standard (compressed) shop air and the vehicle's battery, reducing risk when recovering flammable hydrocarbons. (Some substitute refrigerants contain propane or butane.)
- Tank float switch prevents overfilling of the 50 lb. tank.

**No. 17680-2K** — Contaminated refrigerant recovery station.

### Replacement Part

**No. 17686** – 50 lb. (23 kg) tank with float switch.

### Specifications

Power Source .....	12V DC and compressed air (200 psi max., 120 psi/min.)
Refrigerant Tank .....	50 lb. (23 kg) with float switch (included)
Dimensions .....	45" H x 22" W x 28" D (114 cm x 56 cm x 71 cm)
Weight.....	66 lbs. (30 kg) without tank

# COOLTECH 680



**17680-2K**

### IMPORTANT:

Refrigerant collected should not be used in any A/C system. When the tank is full, send it to a disposal facility.

# ROBINAIR FLUID PRODUCTS

Recovery / Recycling

## COOLTECH 17580



17580

### Specifications

Dimensions ..... 52" H x 33" W x 20" D  
Weight ..... 110 lbs. (50 kg)  
Supply Pressure ..... 80–150 psi.

## Make flushing part of your regular A/C service

You know that not all A/C jobs are simple recharges — there are times when you need to flush a vehicle's air conditioning system to ensure that it operates satisfactorily. These circumstances fall into three categories:

**Routine Maintenance** — As an air conditioning system ages, oil, sludge, and particulates build up, plug screens, expansion valves, and capillary tubes. Periodically, you should flush the system components to remove these contaminants.

**Repairs** — To be sure the system will operate properly, you should flush it whenever you repair or replace components. Failed components may contain metal shavings, sludge, and other debris that damage the system or affect the operation.

**R-134a Retrofits** — In some cases, conversion procedures call for complete removal of existing oil in an A/C system before changing fittings and recharging with R-134a. Flushing is the most thorough means of removing the oil, and it will also pick up any refrigerant residue in the system. Flushing, combined with pulling a deep vacuum, is your assurance the system is ready for the new refrigerant.

### A/C Component Flusher

The 17580 makes flushing of lines, evaporators, and condensers fast and easy.

**Closed Loop** — Circulates solvent continuously through components (adapters are needed).

**Pulsing Action** — Loosens dirt, corrosion, and other debris; by switching the hoses, you can also back flush.

**Air Agitation Needle Valve** — Bubbles air into liquid stream to enhance cleaning action.

**Hose Adapters** — Contains adapters to mate with 1/4" flare and 3/8" quick disconnect fitting kits.

**Sight Glass** — To observe flow rates and cleaning process.

One gallon of solvent is needed for the flush procedure. The unit purges solvent from the component, collecting the used material in the collection tank. An activated charcoal filter limits emissions and odors during flushing and purging.

**No. 17580** — A/C flushing unit. Wt., 110 lbs. (50 kg).

### Adapter Kit

**No. 17607** — Universal A/C flushing adapter kit.



11411

## Fluid Capacities Book and CD

- Has complete coverage of fluid capacities with lube type for domestic and import vehicles.
- Used for A/C, coolant and transmission, brake, power steering and engine oil.
- Covers vehicle model years 1994–2005.

**No. 11411** — Fluid capacities book and CD.