



**34288NI**

**Economy R-134a Refrigerant Recovery, Recycling, and Recharging Machine**

Combines simple operation with superior accuracy. It recovers, recycles, evacuates, and recharges R-134a mobile A/C systems quickly and accurately. The product meets the most current SAE J-2788 standards for accuracy and efficiency recovering over 95% of the refrigerant in the vehicle's A/C system and charging to within +/- 1/2 oz of the programmed charge amount. (34288NI-230, 220V)



**34788NI**

**Premier R-134a Refrigerant Recovery, Recycling, and Recharging Machine**

Recover, recycle, evacuate, leak-test and recharge R-134a vehicle A/C systems. Features a larger graphical display, leak testing, automatic refrigerant refill and automated oil drain/inject – putting A/C lubricant back into the system. 34788NI also boasts an ability to add a printer and refrigerant identifier. An optional refrigerant charge and oil capacities database is available for North American market vehicles. (34788NI-230, 220V)

## Combining Simple Operation With Superior Accuracy:

These machines will test, recover, and recharge R-134a automotive A/C systems quickly and accurately.

Features	34288NI	34788NI	34788NI-H	34988NI
<b>Fully-Automatic Function:</b> Program to recover, vacuum, leak test and charge without operating panel valves.	–	Yes	Yes	Yes
<b>Automatic Dye Inject:</b> Gives the user the ability to use the machine to inject UV dye into a vehicle's A/C system.	–	–	–	Yes
<b>Automatic Oil Drain:</b> A display reminds you to empty the graduated container to show the amount of oil to replace.	Yes	Yes	Yes	Yes
<b>Oil Inject:</b> Automatically inject oil back into the vehicle's A/C systems.	–	Yes*	–	Yes**
<b>Refrigerant &amp; Oil Database:</b> A/C system capacities for North American market vehicles (Optional – not included with the machine)	Optional	Optional	Optional	Optional
<b>A/C System Flush:</b> Flushes a vehicle's A/C system with refrigerant, eliminating any residual oil or other liquid. (Flushing adapters not included)	–	Yes	Yes	Yes
<b>Save &amp; print before and after service data:</b> Allows the user to store before and after service information by vehicle and print this information to provide to a customer.	–	Yes	Yes	Yes
<b>Visual &amp; Audible Alarm:</b> Notifies the user when service is complete, or if a problem has occurred.	–	Yes	Yes	Yes
<b>Vacuum Leak Test:</b> Monitors level after evacuation, informs of possible leak.	–	Yes	Yes	Yes
<b>Automatic Air Purge:</b> Eliminates system-damaging air without monitoring gauges or opening valves.	Yes	Yes	Yes	Yes
<b>Automatic Refrigerant Refill:</b> Maintains a user-selectable amount of refrigerant in an internal vessel and signals when it's time to change supply tank, no monitoring required.	–	Yes	Yes	Yes
<b>Vacuum Feature:</b> Defaults to 15 mins, programmable up to 99 mins. "Remaining time" is displayed.	Yes	Yes	Yes	Yes
<b>Display:</b> Multilingual.	Yes	Yes	Yes	Yes
<b>Refrigerant Charging:</b>	Yes	Yes***	Yes***	Yes***
<b>Refrigerant Management System:</b> Displays refrigerant use and monitors remaining filter life. Prompts appear when 1/3 of filter life remains.	Yes	Yes	Yes	Yes
<b>Electric Vehicle:</b> Capable of servicing high voltage electric compressor A/C systems.	–	–	Yes	–
<b>Printer:</b>	–	Optional	Optional	Yes

\* One oil bottle. \*\* Two oil bottles and one UV dye bottle. \*\*\* Charge mode from high or low side, or use both sides.



**34788NI-H**

**Premier R-134a Refrigerant Recovery, Recycling, and Recharging Machine for Hybrid and Non-Hybrid Vehicles**

All of the same great features and functions included on the 34788NI, plus the added capability of servicing Hybrid vehicles that use high voltage electric compressors. Recover, recycle, evacuate, leak-test and recharge R-134a vehicle A/C systems. Features a larger graphical display, leak testing, automatic refrigerant refill and automated oil drain. An optional refrigerant charge and oil capacities database is available for North American market vehicles.



**34988NI**

**Premium Refrigerant Recover, Recycle, Recharge Machine**

Premium A/C Machine combines ease of use and superior accuracy. It recovers, recycles, evacuates, leak tests and recharges R-134a vehicle systems quickly and accurately. The fully automatic function will recover, vacuum, leak test and charge on its own without the need to stand and monitor the machine. The product is fully SAE J2788 compliant and exceeds the requirements for charge accuracy and recovery efficiency. (34988NI-230, 220V)

Replacement / Accessories / Maintenance Kits	34288NI	34788NI	34788NI-H	34988NI
<b>Replacement Parts</b>				
34724 – Filter (See page 8)	Yes	Yes	Yes	Yes
18190A – Low Side (Blue) Coupler (See page 16)	Yes	Yes	Yes	Yes
18191A – High Side (Red) Coupler (See page 16)	Yes	Yes	Yes	Yes
<b>Accessories</b>				
34412-C – Refrigerant Capacities Database (See page 7)	Yes	Yes	Yes	Yes
18480 and 18490 – Oil Injectors (See page 6)	Yes	–	Yes	–
17499 – Dust Cover, fits 34288NI, 34788NI, 34788NI-H and 34988NI models. (See page 7)	Yes	Yes	Yes	Yes
<b>Maintenance Kits</b>				
13172 – Maintenance Kit (See page 6)	Yes	Yes	Yes	Yes





**17580**  
**A/C flushing unit**  
**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 properly. These circumstances fall into three categories:

**Routine Maintenance** – As an air conditioning system ages, oil, sludge, and particulates build up, plugging 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.

**Features**

**Closed Loop** Circulates solvent continuously through components. Includes two adapters. Additional adapters may be needed, sold separately.

**Pulsing Action** Loosens dirt, corrosion and other debris. Switching hoses allows a back flush option.

**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.

**Adapter Kit**

**17607** – Universal A/C flushing adapter kit.

**17581** – Adapter.

**Specifications**

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



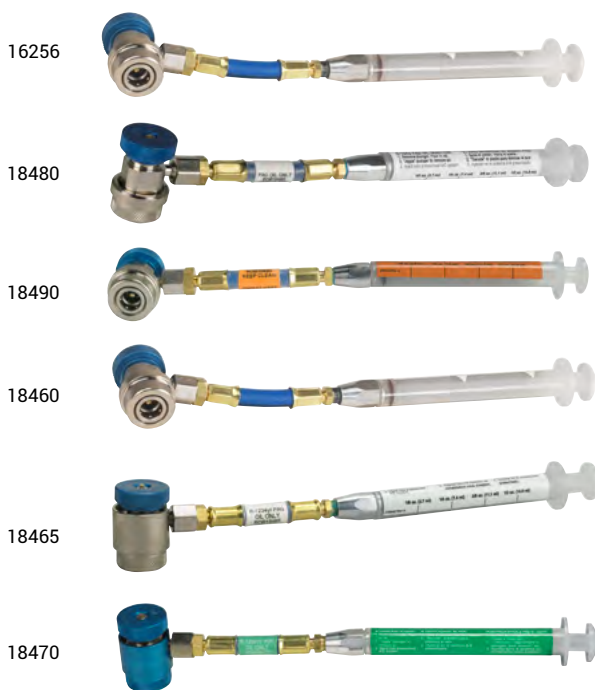
**Maintenance Kits**

Keep recovery and recycling units operating at peak efficiency with a convenient maintenance kit. Contains one Quick Change filter-drier for use on both R-12 and R-134a stations, and one 16-ounce bottle of our Premium High Vacuum Pump Oil.

**13172** – Maintenance kit for models using No. 34724 filter-drier (34288, 34788, 34788-H, 34988, 34288NI, 34788NI, 34788NI-H, 34988NI, AC1234-6, 17700A, 17700-2K, 34700, 34700-2K, 34700Z, 342000, 34711-2K, 34800, 34800-2K, 34900 series).

**13169** – Maintenance kit for early models using No. 34430 filter-drier (AC375A, AC374C, AC374, 34134Z, 34134-2K, 17700A, 34700, 34300-2K, 34134Z, 34134-2K).

See your instruction manual if you have questions about which filter-drier to use.



**Syringe-Type Injectors**

Use these syringe-type injectors to add oil to a fully pressurized A/C system. Fill the barrel with the amount of oil needed, connect the injector, and press the plunger.

**16256** – R-134a oil injector, 1/2" Acme quick coupler.

**18480** – R-134a oil injector, PAG labeled

**18490** – R-134a oil injector, POE labeled

**18460** – R-1234yf oil injector, Generic

**18465** – R-1234yf oil injector, PAG labeled

**18470** – R-1234yf oil injector, POE labeled

**Not recommended for UV dye injection.**

**Vehicle Database Screens**

**R-134a Vehicle A/C Refrigerant Database 2019**

- › Confirm A/C system charge capacities directly from your Robinair A/C RRR machine for R-134a systems.
- › Includes charge amounts and component oil capacities for vehicle model years 1997-2019 using R-134a refrigerant.
- › Database helps ensure the vehicle system is charged correctly with the correct amount of oil, per factory and OEM specification

**34411-J** – R-134a Vehicle A/C Refrigerant Database 2019. Compatible with legacy Robinair R-134a machines 34788, 34788-H, 34988.

**34412-D** – R-134a Vehicle A/C Refrigerant Database 2019. Compatible with new Robinair R-134a machines 34288NI, 34788NI, 34788NI-H, 34988NI.



34411-J  
134a database  
For 34788, 34788-H  
& 34988 machines



34412-D  
134a database  
For 34288NI, 34788NI,  
34788NI-H & 34988NI machines



34413-B  
1234yf database  
For AC1234-4  
machines

**Vehicle Database Screens**

**R-1234yf Vehicle A/C Refrigerant Database 2019**

- › Confirm A/C system charge capacities directly from your Robinair A/C RRR machine for R-1234yf systems.
- › Includes charge amounts and component oil capacities for vehicle model years 2013-2019 using R-1234yf refrigerant.
- › Database helps ensure the vehicle system is charged correctly with the correct amount of oil, per factory and OEM specification.

**34413-B** – R-1234yf Vehicle A/C Refrigerant Database 2019. Compatible with new Robinair AC1234-4 R-1234yf recovery machine.



17490



17492



17499

**Vinyl Dust Covers**

Protect your investment with a heavy-duty vinyl cover. Features corded seams for durability; medium gray color with CoolTech logo.

**17490** – Fits all 34888HD, 17800C, 75700, 17800B, 34900, 34800-2K, series.

**17492** – Fits all 34288, 34788, 34788-H, 34988, AC375C, AC375A, AC375, 342000, 17700-2K, 34700-2K, 34134Z, 34700Z, 34711-2K, 17700Z, 34702Z.

**Dust Cover for A/C RRR Machines**

**17499** – Fits 34288NI, 34788NI, 34788NI-H, 34988NI, AC1234-4 and AC1234-6, models.



**Recycling Filter-Driers**

Specially blended for maximum acid and moisture removal.

**19776** – Quick change filter for 17800B, 17800C.

**34430** – Quick change filter for older 17700A, 34450, 34700 (1997), AC375, AC375A, AC375C, 34134Z.

**34724** – Spin-on filter for 17700-2K, 34134A, 34134-2K, 342000, 34234, 34300-2K, 34700, 34700-2K, 34700Z, 34788, 34800, 34800-2K, 34900, 34288NI, 34788NI, 34788NI-H, 34988NI, 34888HD series.



19776



34430



34724

**Refrigerant Tanks**

**17121** – 30 lb. tank, 1/4" fittings (25150, 25175, 25200B, 34234, 34300-2K, 34800 series).

**17506** – 50 lb. tank, 1/4" fittings (17800A, 17800-2K, 17700A, 25150, 25175, 25200B series).

**17605** – 30 lb. tank with float switch (17650A series).

**17572** – 50 lb. tank with float switch. (17800C series).

**34102** – 30 lb. tank for R-134a (34234, 34300-2K, 34800, 34134A, 34134-2K series).

**34579** – 30 lb. tank (34650 series).

**34750** – 50 lb. tank for R-134a (34700, 34888HD series).



17121



17506



17605



17572



34102



34579



34750



**10986 Orifice Tube Remover**

Use this handy tool to remove the orifice tube before flushing. Speeds service by removing the build-up of particulates on the orifice screen and restrictions that slow flushing. The basic tool works on GM and Ford vehicles and comes with: an extender body for 1985 and newer Ford models; an adapter for 1989-91 GM "J", "L", and "N" cars; and an adapter for 1991 and newer GM "C" and "K" trucks with #3096068 orifices.



**17595 Flush Gun Kit**

An economical means of flushing contaminants and scale from A/C system components, the flush gun uses dry shop air to pressurize the solvent. The process thoroughly cleans the part, removing oil, any refrigerant contaminants, and residue. The attached nozzle directs the flow of solvent without spray-back.



17565



17609

**Power Flush Solvent**

Gives you the cleaning power to flush particulates and system lubricant from A/C and refrigeration lines, evaporators, and condensers. An ideal substitute for CFC-113, it has excellent cleaning properties and good evaporation rate. Compatible with all CFC, HCFC, and HFC refrigerants. Meets ANSI/ASHRAE 97-1933.

**17565** – Gallon, six per carton.

**17609** – Quart, six per carton.