



**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



### 34888HD

The Robinair 34888HD heavy-duty machine recovers, recycles, evacuates, leak-tests and recharges R-134a with 98.5% efficiency in both small and large mobile air conditioning systems.

- › Large capacity, removable 50-lb. tank and liquid pump for larger A/C systems, typically found in busses
- › Nitrogen port to dry and leak test A/C systems
- › Fully automatic recovery, system evacuation, leak testing, refrigerant charge and oil drain/inject
- › Optional printer for capturing and retaining vehicle service data



#### Features

**Fully-Automatic Function:** Program to recover, vacuum, leak test and charge without operating panel valves

**Automatic Oil Drain:** A display reminds you to empty the graduated container to show the amount of oil to replace

**Oil Inject:** Automatically inject oil back into the vehicle's A/C system

**Visual & Audible Alarm:** Notifies the user when service is complete, or if a problem has occurred

**Nitrogen Port:** Inject nitrogen into the vehicle's A/C system to dry or leak check the system

**Automatic Air Purge:** Eliminates system-damaging air without monitoring gauges or opening valves

**Vacuum Feature:** Defaults to 15 mins, programmable up to 99 mins. "Remaining time" is displayed

**Removal External Tank:** The ability to switch tanks when performing multiple recoveries on large mobile A/C systems

**Display:** Multilingual

**Refrigerant Management System:** Displays refrigerant use and monitors remaining filter life. Prompts appear when 1/3 of filter life remains

**Refrigerant Charging:** Select a charge mode from high or low side, or use both sides

**Optional:** Printer

#### Replacement Parts

**34724** – Spin on filter **34750** – 50 lb. tank for R-134a

#### Specifications

<b>Operating Temp Range</b>	32° - 120°F (0°-50°C)
<b>Recovery Performance</b>	>95% at 70 to 75° F (21 to 24°C) <30 minutes
<b>Voltage</b>	125 VAC 60 Hz
<b>Charge Performance</b>	+/- 0.5 oz at 70° to 75° F (+/- 15g at 21° to 24° C)
<b>Display</b>	5 cm x 9 cm graphical display
<b>Filter-Drier Capacity</b>	300 lb (136kg), spin-on type
<b>Hoses</b>	18 ft (5.5 m)
<b>Weight</b>	Approximately 295 lbs. (133 kg)
<b>Compressor</b>	3/8 hp, pressure protected, oiled, hermetically sealed
<b>Dimensions (HxWxD)</b>	49 in x 28 x 39 (124.5 cm x 71 cm x 99 cm)
<b>Vacuum Pump</b>	5.0 cfm Dual Stage, 29.9 InHg
<b>Languages</b>	English, French, Spanish
<b>Cylinder</b>	External 50 lb. DOT
<b>Certifications</b>	SAE J2788
<b>Efficiency</b>	Industry-leading 98.5%

### 17800C

The 17800C recovers, recycles, evacuates and recharges, all in one fast and continuous operation through one hook-up. It's ideal for mass transit vehicles, buses, refrigerated trailers or containers and other applications that use refrigerants not typically found in mobile applications.



- › Automatically controls machine functions, leading the user through operations and also notifying when it's time to change the filter drier, and vacuum pump oil
- › Automatically adjusts from liquid to vapor for fast and efficient recovery.
- › Electronic scale makes it simple to recharge to factory specifications; also weighs recovered refrigerant and provides tank overflow protection.
- › 5 cfm vacuum pump is large enough to thoroughly evacuate almost any system; making it ready for recharging.
- › Manual air purge function to remove any non-condensable contaminants.
- › Vacuum leak test function allows user to monitor the system for vacuum decay to determine if a leak exists in the A/C system.
- › Automatic oil drain allows the user to see amount of oil removed from the system being serviced.
- › Heavy-duty filter can handle up to 300 lbs. of refrigerant, effectively removing moisture and acid from the refrigerant.
- › Easy to view 4.3" color graphical display.
- › Maintenance counters to monitor cumulative amounts of refrigerant recovered and charged, as well as other machine operation variables.
- › Optional printer can be added to expand capabilities and provide printed record of service performed.
- › Compatible with R12, R22, R134A, R401A, R401B, R402A, R402B, R404A, R407A, R407B, R407C, R410A, R500, R502, and R507 refrigerants.

#### Replacement Parts

**19776** – Quick change filter **17572** – 50 lb. tank with float switch

#### Specifications

<b>Voltage</b>	115VAC, 60Hz (17800C), 230VAC, 50Hz (17801C)
<b>Operating Temp Range</b>	50 to 105° F (11 to 41° C)
<b>Recovery rate</b>	Vapor, 0.5 lbs./min and Liquid 1 lbs./min
<b>Vacuum Pump</b>	5.0 cfm at 60 Hz
<b>Hose length</b>	18 ft. (5.5 m)
<b>Recycling filter</b>	300 lbs. refrigerant capacity
<b>Dimensions</b>	47" H x 26" W x 30" D
<b>Certification</b>	UL 1963, UL STANDARD FOR SAFETY REFRIGERANT RECOVERY/RECYCLING EQUIPMENT
<b>Weight</b>	230 lbs. 104 kg (without tank)





**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.



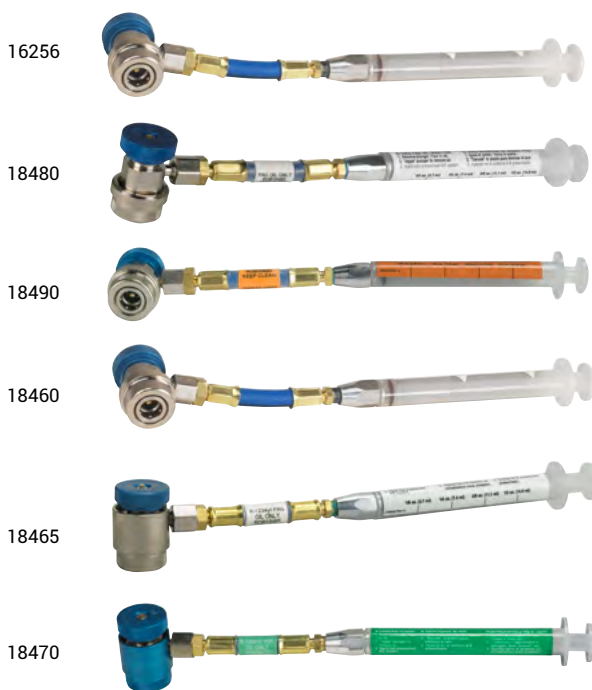
**Maintenance Kits**

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.**

**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.