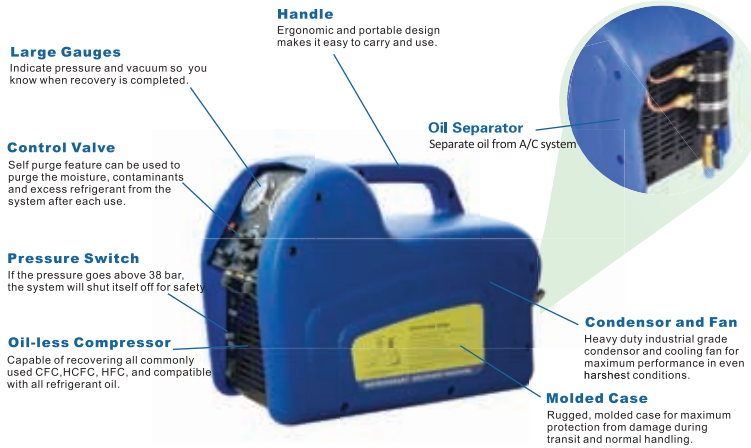


## Refrigerant Recovery Machine

### Features

1. Recovery all commonly used refrigerant (CFC, HCFC, HFC), including R-410A
2. 1/2 HP & 1 HP oil-less compressor recovers both vapor and liquid refrigerant quickly
3. Heavy duty industrial grade condenser and cooling fan
4. Oil separator device for recycling refrigerant
5. High pressure safety shut-off switch
6. Filter/Drier removes both moisture and acid from the refrigerant
7. Ergonomic and compact design makes it easy to carry and use
8. Design for residential, commercial and automotive A/C system
9. Optional 80% capacity shut off kit to prevent from overfilling the storage tank
10. Suitable for all the main voltage standard in the world



**RECO520 Series**



**RECO250 Series**

| Recycling Rate for S & SD Series |            |            |            |
|----------------------------------|------------|------------|------------|
| Recycling Rate (kg/min)          | Cat. III   | Cat. IV    | Cat. V     |
| <b>RECO250S</b>                  | 1.57kg/min | 1.81kg/min | 1.85kg/min |
| <b>RECO250SD</b>                 |            |            |            |
| <b>RECO520S</b>                  | 3.14kg/min | 3.62kg/min | 3.70kg/min |
| <b>RECO520SD</b>                 |            |            |            |

|   |            | Refrigerant Recovery Machine  |            |                    |           | Refrigerant Recovery & Recycling Machine                |             |                    |             |
|---|------------|---|------------|--------------------|-----------|---|-------------|--------------------|-------------|
| Model                                   |            | RECO250   | RECO250S   | RECO250D           | RECO250SD | RECO520   | RECO520S    | RECO520D           | RECO520SD   |
| Recycling Function                      |            | -   | Yes        | -                  | Yes       | -   | Yes         | -                  | Yes         |
| Refrigerant Types                       |            | Cat. III: R12, R-134a, R-401C, R-406A, R-500  |            |                    |           |   |             |                    |             |
|   |            | Cat. IV: R-22, R-401A, R-401B, R-402B, R-407C, R-407D, R-408A, R-409A, R-411A, R-411B, R-412A, R-502, R-509 |            |                    |           |   |             |                    |             |
|   |            | Cat. V: R-402A, R-404A, R-407A, R-407B, R-410A, R-507   |            |                    |           |   |             |                    |             |
| AC Voltage (V/Hz)                       |            | 110-127V / 60Hz<br>220-240V / 50/60Hz<br>100V / 50/60Hz   |            | 110-220V / 50-60Hz |           | 110-127V / 60Hz<br>220-240V / 50/60Hz<br>100V / 50/60Hz |             | 110-220V / 50-60Hz |             |
| Power (HP)                              |            | 1/2HP AC, capacitor start   |            |                    |           | 1HP AC, capacitor start                                 |             |                    |             |
| Max. Current (A)                        |            | 4A / 50Hz<br>8A / 60Hz  |            |                    |           | 6A / 50Hz<br>12A / 60Hz                                 |             |                    |             |
| Compressor                              |            | Oilless, air cooled, piston type  |            |                    |           | Twin-piston type  |             |                    |             |
| Refrigeant<br>Recovery<br>Rate (kg/min) |            | Cat.III   | Cat. IV    | Cat. V             |           | Cat. III  | Cat. IV     |                    | Cat. V      |
|   | Vapor      | 0.23kg/min  | 0.25kg/min | 0.26kg/min         |           | 0.46kg/min  | 0.50kg/min  |                    | 0.52kg/min  |
|   | Liquid     | 1.57kg/min  | 1.81kg/min | 1.85kg/min         |           | 3.14kg/min  | 3.62kg/min  |                    | 3.70kg/min  |
|   | Push /Pull | 4.64kg/min  | 5.57kg/min | 6.22kg/min         |           | 9.28kg/min  | 11.14kg/min |                    | 12.44kg/min |
| High Pressure Shut-off                  |            | 38bar (550psi)  |            |                    |           |   |             |                    |             |
| Low Pressure Shut-off                   |            | Optional  |            |                    |           |   |             |                    |             |
| 80% OFP. Shut-off kit                   |            | Optional  |            |                    |           |   |             |                    |             |
| Operating Temperature(℃)                |            | 0-40℃   |            |                    |           |   |             |                    |             |
| Dimensions LxWxH(mm)                    |            | 485x200x360   |            |                    |           | 520x220x360   |             |                    |             |
| Net Weight (kg)                         |            | 15  |            |                    |           | 16  |             |                    |             |

## Semi-automatic Refrigerant Recovery System

### RECO229

#### Features

- 1 ARI 740 certified
- 2 2-Valve refrigerant recovery system
- 3 Single valve control for easy change over from liquid to vapor to purge
- 4 Poly Run valve regulates refrigerant to the compressor. Eliminates the need for the technician to throttle the suction valve. Protects the life of your compressor, and your investment
- 5 Built-in suction filter located under suction port
- 6 High efficiency fan keeps air moving across condenser for cool running even in hot weather



- 7 Recovers refrigerant and shuts off when unit reaches 15" of vacuum. Unit will automatically restart if system pressure rises
- 8 Senses back pressure from tank and shuts off automatically at 520psi for safety
- 9 Single high pressure safety switch
- 10 LED signals recovery completion
- 11 On-the-fly purge with simple turn of a knob to remove residual refrigerant and help prevent cross contamination

|                            |                              |
|----------------------------|------------------------------|
| Direct Vapour              | 0.175kg/min                  |
| Direct Liquid              | 0.375kg/min                  |
| Push-Pull Liquid           | 4.65kg/min                   |
| Applications               | Small A/C units, automobiles |
| Power                      | 1/3HP, DC Motor              |
| Compressor                 | Oil-less maintenance free    |
| AC Voltage (V/Hz)          | 110-120V / 50/60Hz           |
| Operating Temperature (°C) | 0-49°C                       |
| Dimensions LxWxH (mm)      | 510x270x330                  |
| Net Weight (kg)            | 17                           |

## Full Automatic Refrigerant Recovery System

### RECO230

#### Features

- 1 ARI 740 certified
- 2 Most Advanced 4-valve refrigerant recovery system
- 3 Full automatic operation
- 4 Fast recovery all commonly used refrigerant (CFC, HCFC, HFC), including R410A
- 5 Automatic low pressure shut-off feature turns unit off when recovery is completed



- 6 Built-in suction filter located under suction port
- 7 R-410A ready with 550psi high pressure shut-off switch
- 8 Exceptional compressor, condensing & cooling systems allow fast recovery in high temperature environments

| Refrigerant            | Cat. III                     | Cat. IV    | Cat. V     |
|------------------------|------------------------------|------------|------------|
| Vapour                 | 0.26kg/min                   | 0.28kg/min | 0.26kg/min |
| Liquid                 | 1.8kg/min                    | 1.9kg/min  | 2kg/min    |
| Push-Pull              | 6kg/min                      | 6.2kg/min  | 6.4kg/min  |
| Applications           | Small A/C units, automobiles |            |            |
| Power                  | 1/3HP, DC Motor              |            |            |
| Compressor             | Oil-less maintenance free    |            |            |
| AC Voltage             | 110-120V / 50/60Hz           |            |            |
| Operating Temperature  | 0-49°C                       |            |            |
| High Pressure Shut-off | 22bar                        |            |            |
| Dimensions LxWxH(mm)   | 510x270x330                  |            |            |
| Net Weight(kg)         | 17                           |            |            |

## Full Automatic Refrigerant Recovery / Recycling / Recharging System

Poly Run full automatic recovery equipment which uses the latest technology, is what you need for A/C and refrigeration service to provide, the technician with viewable real – time data at a glance, and operational prompts for effective servicing. Refrigerant recharging / recovering / recycling system evacuation all in one fast, continuous operation at the touch of "automatic" key in the keyboard which makes it easy for any technician to use. It simply out performs other products of the same kind in the market.

Life testing on 600 vehicles and 3000 operation hours. Attained CE Quality Certification and ISO 14001 certification .Highly reliable with low maintenance

### Features

1. Refrigerant recovering & recycling & recharging
2. Waste oil / exhaust gas discharging
3. Refrigerant oil and UV fluorescer recharging
4. Microprocessor controlled and program guided operation
5. Friendly interface makes it easy to use
6. New technical running modes of automation and semi – automation available
7. Unique designed compressor to be of oil anti – blowback feature to assure its longer service life
8. Intelligent alert system with sound and light, manual oil adding, oil discharging, non-condensable gas elimination
9. Whole solenoid operation, no manual valve and manual parts operation
10. Special recovery tank, safe and credible
11. High – precision electronic scale to ensure the accuracy of  $\pm 2g$  in the weight for the recharged or recovered refrigerant
12. High effective 2-stage vacuum pump has the power to quickly evacuate the system
13. Maintenance message display and printing; (a printer needs to be built)
14. Multiple protection device built to ensure safe operation and efficient performance
15. The recycling system is furnished to remove moisture and impurity from refrigerant effectively
16. After one setup, the whole process of vacuuming and recharging will be completed automatically
17. No special training needed, prompts on the alpha – number display lead you through programming, tell you what function is currently in process and show message, so it is clear what your choices are or what needs to be done. Irrelevant button auto self-lock to prevent from improper operation
18. -Recommend: for people who provide on –site maintenance and repair services

### RECO343

This is a refrigerant **recovering / recycling / recharging** equipment design for R-134a A/C system. The unit mainly used in automobile service stations, automobile production line ect.

### Features

1. Eco-friendly Recovering: high and low pipe recovering at same time, the recovered refrigerant through the purification system are reusable.
2. Evacuation :high effective 2-stage vacuum pump has the power to quickly evacuate the system
3. Automated refrigerant recharging: the equipment automated charging the refrigerant follow customer's manually set value.
4. Purification: professional and high efficiency purification system, improve the purity of refrigerant.
5. Human – based and full automatic design, all the operation can be finish with one key.
6. The unit installed light for alarm devices to help customers achieve Long-distance monitoring.



|                               |   |
|-------------------------------|---|
| Recovery Rate                 | 350g/min vapor, 500g/min liquid         |
| Recycling Rate                | 420g/min                                |
| Recharging Rate               | 1500g/min (Range: 0-7kg)                |
| Vacuuming Rate                | 170L/min                                |
| Max Recovery Quantity         | 12kg                                    |
| Refrigerant Types             | R-134a                                  |
| Compressor                    | 1/2HP, Twin cylinder oilless compressor |
| Condenser                     | Condenser with 2 tube rows              |
| Precision of Electronic scale | $\pm 2g$                                |
| Cylinder Size                 | 12kg                                    |
| AC Voltage (V/Hz)             | 220V / 50/60Hz                          |
| Operating Temperature (°C)    | 0-50 °C                                 |
| Dimensions LxWxH (mm)         | 680x610x1140                            |
| Net Weight (kg)               | 96                                      |

RECO779

Automotive Refrigerant Management System

RECO779 machine are the simplest, easiest to use A/C service centers helping technicians meet today's tough service standards, Operation is quick and efficient, lowering A/C service costs.

The RECO779 Automatic Plus provide full cycle **recovery / recycle / evacuate / recharge / cleaning** to bring the vehicle back to factory spec with the press of one button.

Choose the RECO779 for the most economical automatic recovery / recycle solution, With these easy – to –use machines, just connect the quick – connect couplings to the vehicle and push the Recovery Recycle switch to complete the process. There are no confusing valves to remember to open or close, Rotate the vacuum timer to the vacuum time you select and the optional Poly Run two –stage vacuum pump provides a deep vacuum. Scroll up the correct charge one the high visibility LCD and push the charge switch to quickly charge refrigerant.

Features

- 1.Large LCD display unit, automatically display the daily maintenance and troubleshooting.

2.Automatically prompts next – step concrete operations, irrelevant button auto self – lock to prevent from improper operation, easy to operate and no special training needed.

3.Auto – alarm for disoperation and malfunction such as overheating, low oil level, short of refrigerant ect.

4.Auto data recording system.

5.Maintenance message display.

6.Equipped with a special device for recharging refrigeration oil and UV.

7.Fully automatic system in refrigerant recovery, recycling, recharging , air evacuation and A/C system closed loop – cleaning.

8.Scientific design and excellent refrigerant oil separation improves the quality of recycled refrigerant, and prolonging the life of the equipment.

9.Built an integrated automobile information data base for easy
- maintenance.

10.Auto–prompt for replacements of the necessary consumable parts

11.High–precision electronic scale for accurate dosing of refrigerant recharge.

12.Equipped with heavy–duty filter drier to reduce the frequency of replacement.

13.To be safe, equipped with safety valve & air evacuation valve in the steel cylinder.

14.Special oil re-circulation function prolongs the service of life of the compressor.

15.User and process friendly: The display provides action to be carried at each step. All valves are automatically operated to minimize any mishandling.

16.Attained CE Quality Certification and ISO 14001 Certification



|   |                                      |
|---|--------------------------------------|
| Recovery Rate   | 360g/min                             |
| Recycling Rate  | 420g/min                             |
| Recharging Rate   | 900g/min                             |
| Vacuumping Rate   | 180L/min                             |
| Refrigerant Types   | R-134a                               |
| Compressor  | 1/2HP oil-filled hermetic compressor |
| Precision of Electronic scale   | ±2g                                  |
| Cylinder Size   | 12kg                                 |
| AC Voltage (V/Hz)   | 110-220V / 50/60Hz                   |
| Operating Temperature (°C)  | 0-50°C                               |
| Dimensions LxWxH (mm)   | 810x660x1320                         |
| Net Weight (kg)   | 118                                  |
| Automatic tank full and high pressure shut off<br>Advanced shock – resistant scale<br>One touch Oil injection<br>One touch Oil Drain<br>One touch Air Purge |                                      |

