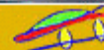




Gamela

Enterprise Co., Ltd.



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AUTO AIR CONDITIONING TOOLS

Recovery Machine | Refrigerant Recovery & Recycling Machine

Refrigerant Recovery Machine



Recovery Machine

[Recovery Machine 50819](#)

[Compressor For Recovery Machine 50820](#)

[Refrigerant Recovery Unit 5089 Series](#)

[Refrigerant Recovery Unit 50816 Series\(Twin Piston & Oil Separator\)](#)

Refrigerant Recovery & Recycling Machine



Refrigerant Recovery & Recycling Machine

[Refrigerant Recovery & Recycling Machine 58011](#)

[Refrigerant Recovery & Recycling Machine 58012](#)

[Refrigerant Recovery & Recycling Machine 58013](#)

[Refrigerant Recovery & Recycling Machine 58014](#)

[Refrigerant Recovery & Recycling Machine 58015](#)

[Refrigerant Recovery & Recycling Machine 58022](#)

[Refrigerant Recovery & Recycling Machine 58023](#)

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50819

REFRIGERANT RECOVERY STATION

Portable recovery station equipped with oil-less compressor and distillation device that can recover, both liquid and vapor, all CFC, HFC-HCFC refrigerants (R410A included).

- Economical Recovery Workhorse
- Simple easy-to-use design
- Compressor: 1/2 HP Oil-less, Piston style
- Refrigerant Recovery Rate:
 - Vapor > 160g/min
 - Liquid > 1.85kg/min
 - Push-pull > 4.90kg/min
- 550 psi High pressure safety "Cut off" switches
- Very light weight: 15kg
- Voltage: 220V-240VAC, 50Hz

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50820

OIL-LESS COMPRESSOR

- Powerful 1/2 HP oil-less recovery compressor
- Suitable for all CFC, HFC-HCFC refrigerants(R410A included)
- Thermal protect piston style
- Heavy duty components with special long-lasting seals
- Integrates components moorings for quiet operation
- More reliability
- Compact structure

- Voltage: 220-240VAC, 50Hz
- Free air displacement: 0.42CFM@50Hz
- Max. inlet pressure: 30bar(435PSI)
- Max. outlet pressure: 30bar(435PSI)
- Dimensions: 250×140×200mm
- Net weight: 8kg

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Refrigerant Recovery Unit



Features

- Recovers all commonly used refrigerants (CFC, HCFC, HFC), including R410A.
- 1/2 HP, Oil-less compressor recovers both vapor and liquid refrigerants quickly.
- Heavy duty industrial grade condenser and cooling fan.
- High pressure safely ‘Shut-off’ switch.
- Filter/Drier removes both moisture and acid from the refrigerants.
- Ergonomic and compact design makes it easy to carry and use.
- Design for residential, commercial and automotive A/C system.
- Optional 80% Capacity shut off kit to prevent overfilling storage tank.
- Suitable for all the main voltage standard in the world.

Specifications

SPECIFICATIONS	
Refrigerants	R12, R-22, R-114, R-134a, R-401A, R-401B, R-401C, R-402A, R-402B, R-404A, R-406A, R-407A, R-407B, R-407C, R-407D, R-408A, R-409A, R-410A, R-411A, R-411B, R412A, R-500A, R-502B, R-507, R-509
Compressor	1/2HP Oil-Less
High Pressure Shut Off	38bar/550psi
R-22 Recovery Rates	Liquid: 3.97 lbs/min(1.8kg/min) Vapor: 0.55 lbs/min(0.25/min) Push/Pull: 13.7lbs/min(6.25kg/min)
Final Vacuum	15”Hg
80% Capacity Shut-off	Optional
Operating Temp.	0-40°C
Dimension	19.1”x8.7”x14.4”(485X220X365mm)
Net Weight	33lbs(15Kg)

Models

Models	
50890B	220-240v 50Hz
50891B	100/120v 60Hz
50892	100v 50/60Hz
50893	110/220v 50/60Hz Dual Voltage

Refrigerant Recovery Unit

1 HP, Twin Pistons

Features

- Recovers all commonly used refrigerants (CFC,HCFC,HFC), including R410A.
- 1 HP, Twin Pistons compressor recovers both vapor and liquid refrigerants quickly.
- Heavy duty industrial grade condenser and cooling fan.
- High pressure safely "Shut-off" switch.
- Filter/Drier removes both moisture and acid from the refrigerants.
- Ergonomic and compact design makes it easy to carry and use.
- Design for residential, commercial and automotive A/C system.
- Optional 80% Capacity shut off kit to prevent overfilling storage tank.
- Suitable for all the main voltage standard in the world.



SPECIFICATIONS				
Refrigerants		50816B-2	50816B-1	50816B-D
		R-22, R401A, R401B, R-402B, R-407C, R-407D, R-408A, R-409A, R411A, R-411B, R-412A, R-502, R-509	R-12, R-134a, R-401C, R-406A, R-500	R-402A, R-404A, R-407A, R-407B, R-410A, R-507
Motor	1HP AC ; Capacitor Start			
Max. Current	6A@50Hz 12A@60Hz			
Compressor	Twin-Piston Style			
Refrigerant	Model No.	50816B-2	50816B-1	50816B-D
Recovery Rate	Vapor	0.50kg/min	0.46kg/min	0.52kg/min
	Liquid	3.62kg/min	3.14kg/min	3.70kg/min
	Push/ Pull	11.14kg/min	9.28g/min	12.44kg/min
Recycling Rate		3.62kg/min	3.14kg/min	3.70kg/min
High Pressure Shut Off	38bar/550psi			
Low Pressure Shut Off	Optional			
80% Capacity Shut-off	Optional			
Operating Temp.	0°C -40°C			
Dimension	485mm(L) x 220mm(W) x 365mm(H)			
Net Weight	13Kg			

Models	
50816B-2	220-240V 50Hz / 60Hz
50816B-1	100-127V 60Hz
50816B-D	110-220V 50/60Hz Dual Voltage

Refrigerant Recovery Unit

Oil Separator



Features

- Recovers all commonly used refrigerants (CFC, HCFC, HFC), including R410A.
- 1/2HP&1HP, oil-less compressor recovers both vapor and liquid refrigerants quickly.
- Heavy duty industrial grade condenser and cooling fan.
- Oil separator device for recycling refrigerant.
- High pressure safely "Shut-off" switch.
- Filter/Drier removes both moisture and acid from the refrigerants.
- Ergonomic and compact design makes it easy to carry and use.
- Design for residential, commercial and automotive A/C system.
- Optional 80% Capacity shut off kit to prevent from overfilling storage tank.
- Suitable for all the main voltage standard in the world.



SPECIFICATIONS				
Refrigerants		50816S-D	50816S-1	50816S-2
		Cat. III: R-12, R-134a, R-401C, R-406A, R-500		
		Cat. IV: R-22, R-401A, R-402B, R-407C, R-407D, R-408A, R-409A, R-411A, R-411B, R-412A, R-502, R509		
		Cat. V: R-402A, R-404A, R-407A, R-407B, R-410A, R-507		
Power	110-220V 50/60Hz	110-127V/60Hz	220-240V 50/60Hz	
Motor	1HP AC ; Capacitor Start			
Max. Current	6A@50Hz 12A@60Hz			
Compressor	Twin-Piston Style			
Refrigerant Recovery Rate	Model No.	Cat. III	Cat. IV	Cat. V
	Vapor	0.46Kg/min	0.50kg/min	0.52kg/min
	Liquid	3.14Kg/min	3.62Kg/min	3.70Kg/min
	Push/ Pull	9.28Kg/min	11.14Kg/min	12.44Kg/min
Recycling Rate	3.14kg/min	3.62kg/min	3.70kg/min	
High Pressure Shut Off	38bar/550psi			
Low Pressure Shut Off	Optional			
80% Capacity Shut-off	Optional			
Operating Temp.	0°C -40°C			
Dimension	485mm(L) x 220mm(W) x 365mm(H)			
Net Weight	16Kg			

Models	
50816S-D	110-220V 50H/60HZ
50816S-1	110V-127V/60HZ
50816S-2	220V/50HZ

Refrigerant Recovery Unit (use for R32, HFO-1234yf) 50829 (1/2 HP, One-piston style) / 50831 (1 HP, Two-piston style)



Features

- Suitable for all commonly used refrigerants, including R32, HFO-1234yf.
- Compact and portable design.
- Suitable for all the main voltage design in the market.
- Individual design for special customers.

Model		50829
Motor		1/2HP, 220V-240VAC
Max. Current		4A
Compressor		One-piston style, Oil less, air cooled
Refrigerant		R32, HFO-1234yf
Refrigerant Recovery Rate	Vapor	0.25 kg / min
	Liquid	1.81 kg / min
	Push/Pull	5.57 kg / min
High pressure shut-off		38 bar / 550 psi
Low pressure shut-off		Optional
80%OFP.Shut-off kit		Optional
Operating Temp.		0°C-40°C
Dimensions		465 mm(L) x 220 mm(W) x 345 mm(H)
Net Weight		10 kg

Model		50831
Motor		1HP, 220V-240VAC
Max. Current		6A
Compressor		Two-piston style, Oil less, air cooled
Refrigerant		R32, HFO-1234yf
Refrigerant Recovery Rate	Vapor	0.50 kg / min
	Liquid	3.62 kg / min
	Push/Pull	11.14 kg / min
High pressure shut-off		38 bar / 550 psi
Low pressure shut-off		Optional
80%OFP.Shut-off kit		Optional
Operating Temp.		0°C-40°C
Dimensions		465 mm(L) x 220 mm(W) x 345 mm(H)
Net Weight		11 kg



50816-P

Vacuum Pump, Twin Pistons for 50816 series use

220-240V 50/60Hz

Refrigerant Recovery & Recycling Machine



50811

Functions :

1. Main functions

- a. Recovering/Recycling
- b. Discharging used oil
- c. Vacuum
- d. Refilling new oil
- e. Recharging
- f. Full Automatic mode

2. Auxiliary functions

- a. Vacuum system piping
- b. Multiple alarms
- c. Maintenance procedures
- d. Part inspections
- e. Calibration of load cell
- f. Parameters setting
- g. Heater for tank (optional)
- h. Non condensable gas discharging (Manual)

1. Integration of the latest recycling and purifying technology ensures purified refrigerant to reach the reusable standard
2. Compact construction and parts versatility help repair and maintenance
3. The most advanced SCM control programs ensures all functions operate reliably
4. Varieties of selfinspection&protection measures ensure a safe and fast operation
5. Unique maintenance procedures make an easy equipment maintenance
6. Be in compliance with SAE J2788 standard
7. Graphic interface makes it easy to operate
8. Oil~gas seperating rate attains to 98% during recycling process

| Specifications :

Power supply: AC220V±10%~ 50/60Hz, 110V±10%~ 60Hz

Vacuum pump: 4.5CFM, 10Pa

Compressor: 1/2hp

Load cell accuracy (refrigerant tank): ±10g

Max. working pressure: 17.5bar

Dry filter: 0.122L

Refrigerant tank volume: 12L

Average recycling speed: 350Kg/Min

Average recharging speed: 1500Kg/Min

LED display

Electronic scale accuracy (oil tank): ±5g

Heater power: 300w

Language: English

Dimension: 620*580*1020mm

Gross weight: 72Kg

Refrigerant Recovery & Recycling Machine



50812

Functions :

1. Main functions

- a. Recovering /Recycling
- b. Discharging used oil
- c. Vacuum
- d. Refilling new oil (Manual)
- e. Recharging
- f. Semi-auto mode

2. Auxiliary functions

- a. Vacuum system piping
- b. Multiple alarms
- c. Maintenance procedures
- d. Part inspections
- e. Calibration of load cell
- f. Parameters setting
- g. Heater for tank (optional)
- h. Non condensable gas discharging (Manual)

Features :

HOME

1. Integration of the latest recycling and purifying technology ensures the purified refrigerant to reach the reusable standard
2. Compact construction and parts versatility help repair and maintenance
3. The most advanced SCM control programs ensures all functions operate reliably
4. Varieties of selfinspection&protection measures ensures a safe & fast operation
5. Unique maintenance procedures make an easy equipment maintenance
6. Be in compliance with SAE J2788 standard
7. Graphic interface makes it easy to operate
8. Oil~gas seperating rate attains to 98% during recycling process

Specifications :

Power supply: AC220V±10%~ 50/60Hz, 110V±10%~ 60Hz

Vacuum pump: 4.5CFM, 10Pa

Compressor: 12cc, MBP/HBP

Electronic scale accuracy (refrigerant tank): ±10g

Max. working pressure: 17.5bar

Dry filter: 0.122L

Refrigerant tank volume: 12L

Recycling speed: 0.5Kg/Min (max)

Recharging speed: 2Kg/Min (max)

LED display

Heater power: 300w (optional)

Language: Chinese, English

Dimension: 620*580*1020mm

Gross weight: 72Kg

Refrigerant Recovery & Recycling Machine



50813

Refrigerant Recovery & Recycling Machine

Connection: 1/4 SAE quick coupler with ball valve

Refrigerant: R22 or R134a or R404a

Features:

- * Functions for recovery, regeneration, vacuum, filling (oil, refrigerant) and monitoring.
- * Manual operation and full monitor of pressure to avoid misoperation.
- * High efficient heat exchanger and quick recovery.
- * Push design, simple but practical.
- * Special canned refrigerant connector for different users.
- * Applicable to small refrigeration and A/C system below 5 kg.

Refrigerant Recovery & Recycling Machine



50814

Refrigerant Recovery & Recycling Machine

Refrigerant: R22 or R134a or R404a or R410a

Features:

- *Functions for recovery, regeneration, vacuum, filling (oil, refrigerant) and monitoring.
- *Large screen LCD display to guide operation with prompting for convenient use.
- *Automatic operation and full monitor of pressure, temperature and vacuum with alarm setting.
- *High efficient heat exchanger and quick recovery.
- *Extra data base will support the display of multiple languages, pressure, temperature and refrigerants.
- *Push design, simple but practical.
- *Applicable to small refrigeration and A/C system below 5 kg.

Refrigerant Recovery & Recycling Machine



50815

Refrigerant Recovery & Recycling Machine

Connection: 1/4 SAE quick coupler with ball valve

Refrigerant: R22 or R134a or R404a or R410a

Features:

- *Multiple functions such as cleaning, recovery, regeneration, vacuum, filling(oil, fluorescent, refrigerant) and monitoring.
- *Large screen LCD display to guide operation with prompting for convenient use.
- *Automatic operation and full monitor of pressure, temperature and vacuum with alarm setting.
- *High efficient heat exchanger and quick recovery.
- *Extra data base will support the display of multiple languages, pressure, temperature and refrigerants.
- *Proprietary contour design, luxury, beautiful and dignified.
- *Applicable to small refrigeration and A/C system below 5 kg.



NEW ECO-FRIENDLY
ECONOMICAL

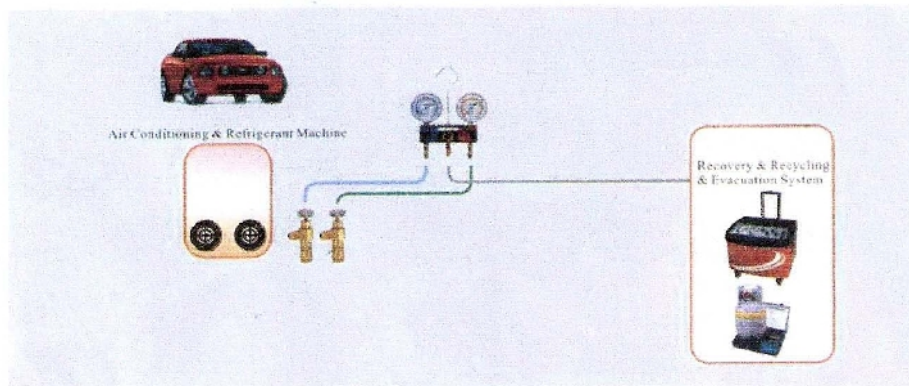
REFRIGERANT RECOVERY & RECYCLING & EVACUATION STATION



50822

FEATURES & BENEFITS

- Recovers, Recycles, and Evacuates all commonly used refrigerants (CFC, HCFC, HFC), including R410A.
- 1/2HP, Oil-less compressor recovers both vapor and liquid refrigerants quickly.
- 2 stage, 5CFM vacuum pump, rated to 25 microns.
- High pressure safety "cut-off" switch.
- High performance, larger capacity oil separator.
- Filter/Drier removes both moisture and acid of the refrigerants.
- Wheels and extendable handle make it easy to move. (For VRE12P)
- Design for commercial and automotive A/C system.



Refrigerant Recovery & Recycling Machine



50823

Functions :

1. Main functions

- a. Updatable & Settable database, with printer
- b. Recovering/Recycling
- c. Discharging used oil
- d. Vacuum
- e. Refilling new oil
- f. Recharging
- g. Full Automatic mode

2. Auxiliary functions

- a. Vacuum system piping
- b. Multiple alarms
- c. Maintenance procedures
- d. Part inspections
- e. Calibration of load cell
- f. Parameters setting
- g. Refrigerant tank heating
- h. Incompressible gases discharging

1. Fully automatic mode achieves recovering, recycling, discharging used oil, vacuuming, refilling new oil and recharging functions automatically
2. compact construction and parts versatility help repair and maintenance
3. Large LCD display, easy to operate
4. Abundant A/C database, convenient for customers' reference
5. Various alarming and protection programs, automatically process abnormal conditions to ensure reliable operation of all functions

| Specifications :

Power supply: AC220V \pm 10% \sim 50/60Hz, 110V \pm 10% \sim 60Hz

Vacuum pump: 4.5CFM, 10Pa

Compressor: 12cc, MBP/HBP

Electronic scale accuracy (refrigerant tank): \pm 10g

Max. working pressure: 17.5bar

Dry filter: 0.122L

Refrigerant tank volume: 12L

Recycling speed: 0.5Kg/Min (max)

Recharging speed: 2Kg/Min (max)

LCD display

Electronic scale accuracy (oil tank): \pm 5g

Heater power: 300w

Language: Chinese, English

Dimension: 635*585*1075mm