

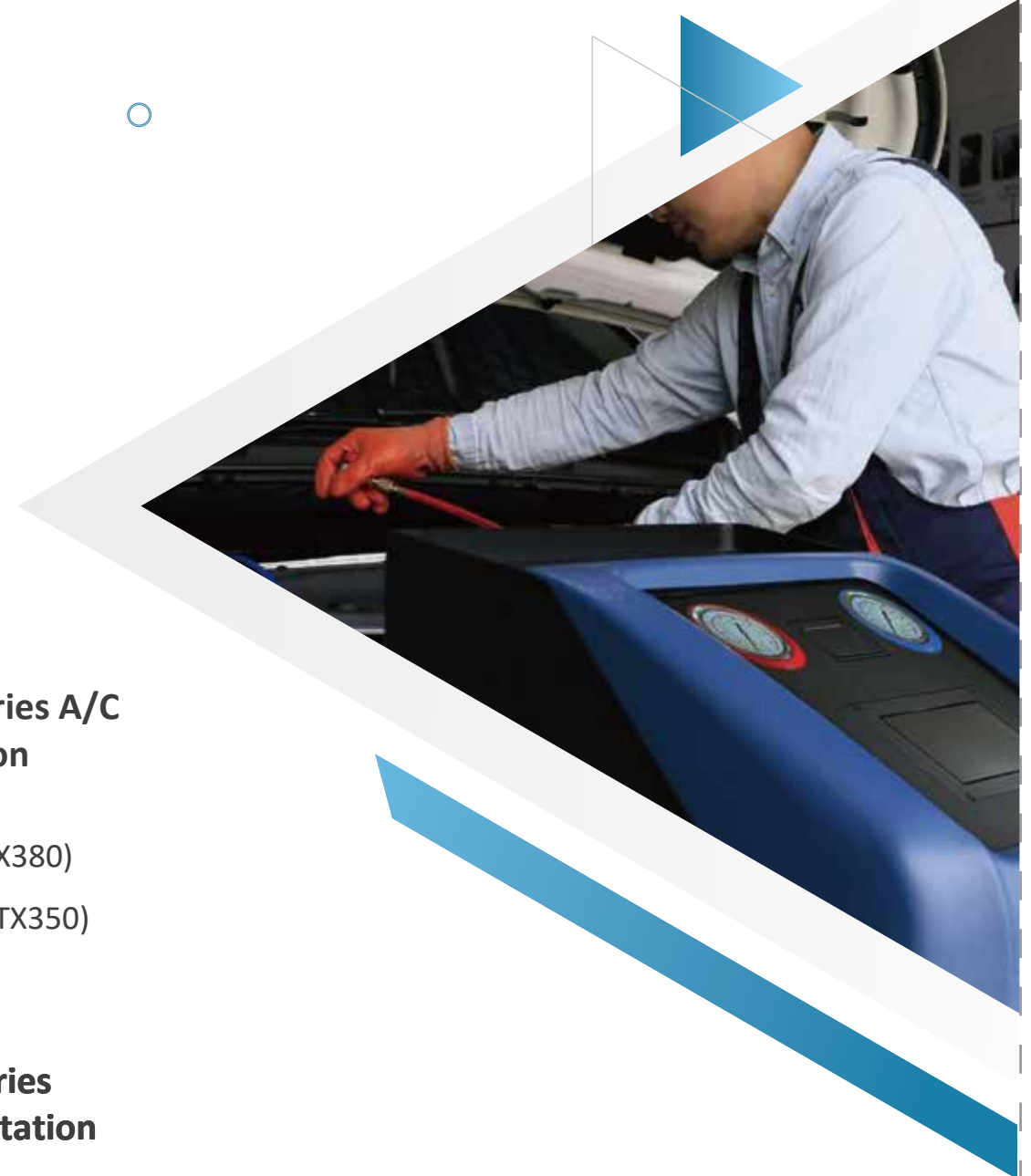
Airtek Products

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Standard Series A/C Service Station

- AC-Dual20 (ATX380)
- AC-1234-20(ATX350)

Advanced Series A/C Service Station

- AC-Dual PRO (ATX580)
- ACentre-20 (ATX550)

Heavy Duty Series A/C Service Station

- AC-HD20 (ATX320)

Tools & Consumables

- ACDOC86+ Refrigerant Identifier & A/C Diagnostic Tool
- ECV-600 Compressor Tester
- RM02 Portable Recovery Machine

AC-Dual20

TOP RATED FULLY AUTOMATIC R134A & R1234YF DUAL GAS RECOVERY, RECYCLE AND RECHARGE MACHINE

ATX380



Functions & Features:

- Tank fill
- Recovery
- Vacuum
- Charge
- Oil injection
- Fully automatic
- Hybrid Compatible
- Oil bottle load cell
- Printer & Vacuum leak test
- Within only 10 minutes switch between servicing vehicles with different refrigerants

AC-Dual20 is an ideal option for workshops that have requirements of handling both R-134a and HFO-1234yf refrigerants. The loss of refrigerant is minimized to less than 50 gram at shifting from one refrigerant to another, and deep internal evacuation ensures zero cross contamination between the two refrigerants. The machine is equipped with two refrigerant tanks, which saves the operators' time of replacing tanks.



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Specifications:

- Input power: AC110V±10%~50/60Hz
- Display: 7" Touch screen
- Compressor power: 3/8HP
- Hand valves free
- Recovery rate: ≥95%
- Average gas state refrigerant recovery speed (through charge/suction port): 250g/min
- Vacuum pump capacity: 120L/min, non-sparkle
- Accuracy of gas cylinder load cell: ±10g
- New/Used oil bottle capacity: 250ml
- Accuracy of new/used oil bottle load cell: ±5g
- Max. Pressure: 20bar
- Charge speed: 2Kg/Min(max.)
- High pressure gauge range: -1 bar~ 30bar
- Low pressure gauge range: -1bar~ 16bar
- A/C database included, free update
- Thermal printer
- Dual tank equipped
- Automatic service reminding
- Loss of refrigerant during refrigerant change is minimized

A/C Service Station

AC-1234-20

AC-1234-20 is very friendly because it can be customized to various configurations, to meet different garages' needs. It can be configured to entry model, to meet hybrid or electric vehicle need, even to have COR (Compressor Oil Recovery) function. Tell us what you need, we make your desired machine.



ATX350

Main Functions

- Tank fill
- Recovery
- Vacuum
- Oil injection
- Charge
- Fully automatic
- 110V 60Hz
- HFO-1234yf
- POE injection
- UV dye injection
- Vacuum leak test
- 120L/min vacuum pump
- Auto air purge & thermal printer
- Optional: Flush, COR (Compressor Oil Recovery)



Specifications

- Input power: AC110V±10% ~50/60Hz
- Display: 7" Touch screen
- Compressor power: 3/8HP
- Recovery rate: ≥95%
- Average gas state refrigerant recovery: 250g/min
- Heater band, condenser and cooling fan included
- Vacuum pump capacity: 60L/min
- Gas cylinder capacity: 10KG
- Accuracy of gas cylinder load cell: ±10g
- New/Used oil bottle capacity: 250ml/400ml
- Accuracy of New / Used oil /UV bottle load cell: ±5g
- Drier-filter capacity: 600ml
- Max. Pressure: 20bar
- High pressure gauge range: -1~30bar
- Low pressure gauge range: -1~16bar
- Charge speed: 2Kg/Min(max.)
- Automatic service reminding
- Amply database, free update
- Highly integrated pipeline manifold
- Dimensions: Package: 690*710*1180mm; Unpacked: 615*655*1060mm



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A/C Service Station

AC-Dual PRO

With advanced design, AC-Dual PRO is one of the least cross contaminated dual gas ac recovery and recharge machines on the market.



- 2 DRY FILTERS SEPARATELY FOR R134A & R-1234YF REFRIGERANTS



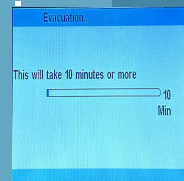
- 2 SETS HOSES SEPARATELY FOR R134A & R-1234YF REFRIGERANTS



- BUILT-IN REFRIGERANT IDENTIFIER



- 3/4 HP OIL LESS COMPRESSOR AVOIDS IMPROPER OIL FILLING



- DEEP 10 MINUTES INTERNAL EVACUATION ENSURES 0 CROSS CONTAMINATION



FUNCTIONS AND FEATURES

- Tank fill
- Recovery
- Vacuum
- Oil injection
- Charge
- Fully automatic
- Oil bottle load cell
- Printer
- Vacuum leak test
- Automatic air purge
- Built-in HFO-1234yf identifier
- Two dry filters
- Equipped two refrigerant tanks

SPECIFICATIONS

- Input power: AC110V±10%~50/60Hz
- Display: 7" Touch screen
- Compressor power: 3/4 HP oil les
- Automatic air purge
- Recovery rate: ≥95%
- Average gas state refrigerant recovery speed (through charge/suction port): 250g/min
- Vacuum pump capacity: 120L/min, non-sparkle
- Accuracy of gas cylinder load cell: ±10g
- New/Used oil bottle capacity: 250ml
- Accuracy of new/used oil bottle load cell: ±5g
- Max. Pressure: 20bar
- Charge speed: 2Kg/Min(max.)
- High pressure gauge range: -1 bar~ 30bar
- Low pressure gauge range: -1bar~ 16bar
- A/C database included, free update
- Thermal printer
- Dual tank equipped
- Automatic service reminding
- Loss of refrigerant during refrigerant change is minimized

ACentre-20

A/C Diagnosis & Service Center

With advanced technology, SAE certified ACentre-20 is one of the most powerful ac recovery and recharge machines on the market

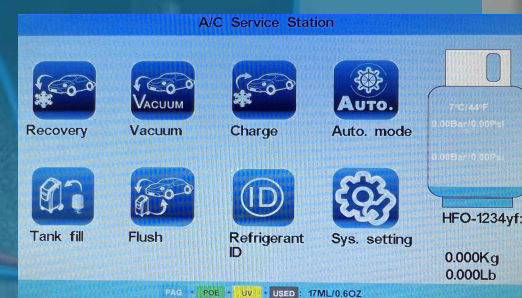
ACentre-20 integrates normal auto A/C services (recovery, vacuum, oil injection and refrigerant charge) and specialized compressor oil replacement function, in both individual function and automatic sequence modes. As SAE J2843 approved, the machine offers "normal charging" for traditional fuel vehicles and "high voltage charging" for EV and HV, in later mode internal pipeline cleaning is performed to remove oil residue. This helps avoid electric insulation fault in HV and EV caused by contamination of oil with electric conductivity nature.

Main Functions

- Recovery with SRR feature, SRR (Supreme Recovery Rate) system, patent pending, assures a recovery rate higher than 99%.
- Vacuum/Vacuum leak test
- Charge (including PAG or POE oil injection, UV injection and refrigerant charge)
- Automatic mode (full cycle of recovery, vacuum and charge)
- HFO-1234yf Flush, COR (Compressor Oil Recovery)
- Refrigerant Identifier for HFO-1234yf

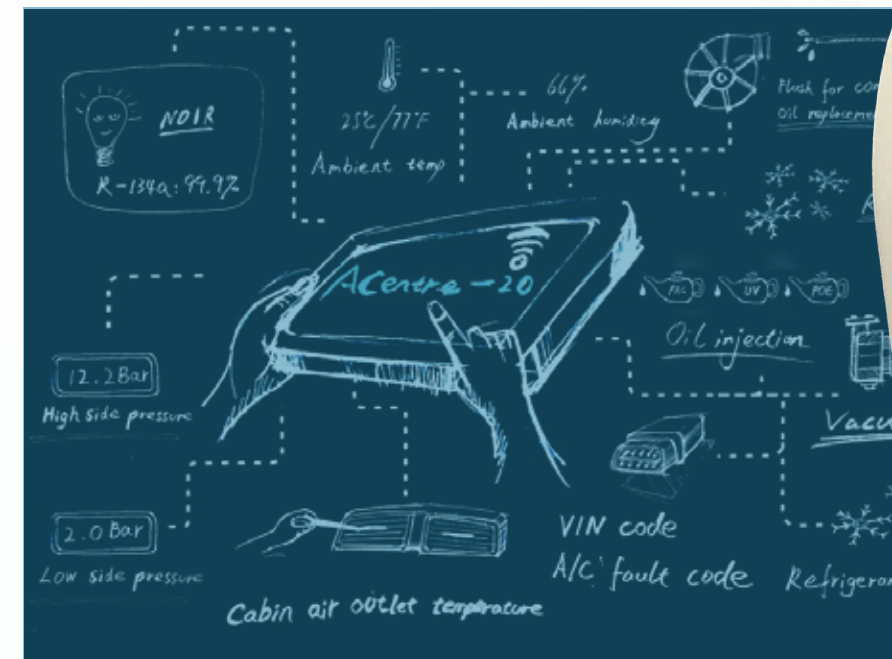
Optional Functions

- A/C Diagnosis function



Specifications

- Input power: AC110v±10%~50/60Hz
- Compressor power: 3/8HP
- Display: 7" touch screen
- Max. refrigerant recovery speed: 0.25Kg/min. Patent pending SRR (Supreme Recovery Rate) system ensures 99% recovery rate
- Vacuum pump capacity: 120L/min
- Evacuation time selection: 2-60 min
- New oil vessel: 250ml capacity, PAG/POE/UV
- Used oil vessel: 400ml capacity
- Refrigerant charging speed: Max. 1Kg/Min, liquid charging
- High capacity spin-on filter-drier: 600ml capacity, for recovering totally 100KG refrigerant
- Accuracy of refrigerant cylinder load cell: ±5g
- Refrigerant cylinder: 10KG, with heater band
- Machine maximum working pressure: 20bar with electronic high-pressure protection warning and safety release valve
- Gauges: High side -1bar~30bar, Low side -1bar~16bar
- Digitally displayed cylinder pressure and temperature, electronically controlled air purge
- Automatic Non-condensable purge (NCG) based on HFO-1234yf pressure-temperature nature
- Vehicle A/C database included
- Electronically monitoring and displaying system service intervals
- Thermal printer
- Package: 720*780*1285mm; Unpacked: 644*731*1147mm



AIRTEK

Find Out What You Really Need



FUNCTIONS & FEATURES	AIRTEK R-1234YF AC MACHINE COMPARISON		AIRTEK DUAL GAS AC MACHINE COMAPRISON	
				
Model#	AC-1234-20	Acentre-20	AC-Dual20	AC-Dual-Pro
P/N	ATX350	ATX550	ATX380	ATX580
Refrigerant gas type	HFO1234yf	HFO1234yf	R134a & HFO1234yf	R134a & HFO1234yf
Identifier in-built	N/A	built-in 1234yf identifier	N/A	built-in 1234yf identifier
A/C System Flush/Compressor oil recovery	N/A	Flush, COR (Compressor Oil Recovery)	N/A	N/A
Fully automatic	√	√	√	√
Inbuilt database	√	√	√	√
Electrical vehicle (POE Oil Injection)	Capable of service high voltage electric compressor A/C systems	Capable of service high voltage electric compressor A/C systems	N/A	N/A
UV dye injection	√	√	N/A	N/A
Vacuum leak test	√	√	√	√
Automatic air purge	√	√	N/A	√
Refrigerant quality monitoring vision window integrated	N/A	√	N/A	N/A
Display	7-inch touch screen	7-inch touch screen	7-inch touch screen	7-inch touch screen
Printer	√	√	√	√
Compressor	1 x 3/8hp oiled	1 x 3/8hp oiled	1 x 3/8hp oiled	1 x 3/4hp oil less
Vacuum pump	120L/Min	120L/Min	120L/min	120L/min
Average gas state refrigerant recovery speed	250g/Min	250g/Min	250g/Min	1 lb/Min
Drier-filter capacity	1 filter for humidity (220 lb)	1 filter for humidity (220 lb)	1 filter for humidity (220 lb)	2 filters for humidity (220 lb/each)
Refrigerant hoses	1 pair, 3 meters	1 pair, 3 meters	1 pair, 3 meters	2 pair, 3 meters each
Accuracy of gas cylinder load cell	±10g	±5g	±10g	±10g
New oil bottle capacity	250ml	250ml	250ml	250ml
Used oil bottle capacity	250ml	400ml	250ml	250ml
Gas cylinder capacity	1 x 10kg tank	1 x 10kg tank	2 x 10kg tanks	2 x 10kg tanks
Recovery efficiency	≥95%	(Supreme Recovery Rate) system ≥	≥95%	≥95%



A/C Service Station

AC-HD20

As a world-wide professional A/C machine manufacturer, we care about necessity of the clients' various job applications. The AC-HD20 robustly and intelligently built, is designed for the needs to handle the refrigerant and oil of A/C of buses, vans, cars, as well as agricultural, constructive, commercial, rail and other particular vehicles which apply R-134a or HFO-1234yf as A/C cooling medium.

Main functions

- Recovery
- Vacuum
- Oil injection
- Charge
- Fully automatic



Specifications

- Hand valves free
- Input power: AC110V±10%~50/60Hz
- Recovery rate: ≥95%
- Compressor output: 1HP(220V); 3/4HP(110V)
- Vacuum pump capacity: 8.0cfm
- Accuracy of gas cylinder load cell: ±30g
- Gas cylinder: 50L, 50Kg Max
- Oil bottle capacity: 400ml
- Max. Pressure: 20bar
- Charge speed: 2Kg/Min(max.)
- Display: 7" Touch Screen
- Refrigerant hose: 5m
- High pressure gauge range: -1~30bar
- Low pressure gauge range: -1~16bar
- Highly integrated pipeline manifold
- Heater band, Condenser and cooling fan included
- Pressurization to speed up used oil discharge
- Automatic service reminding
- Average gas state refrigerant recovery speed: 980g/min



ACDOC86+

Refrigerant Identifier & A/C Diagnostic Tool

ACDOC86+ is further developed based on AIRTEK ACDOC86. It integrates A/C diagnosis (based on data of pressure of both high and low sides, refrigerant identification, ambient temperature, ambient humidity, cabin air outlet temperature, human inspection) and NDIR leak detection.

ACDOC86+ offers professional solution for R-134a or HFO1234yf automotive A/C system, to help garage owners to establish modernized, process-oriented, digitalized and smart business.

Normal A/C diagnosis is made by technicians with individual tools, such as (not limited to) pressure gauges, temperature test probes, leak detectors, refrigerant identifiers and most importantly, technicians' WISDOM. The innovative ACDOC86+ can handle all the above jobs (yes, includes human WISDOM) with more accurate and uniform results.



Functions

A/C diagnosis: Provides technicians with process-oriented, digitalized and standardized A/C diagnosis, and dynamically tests temperature (both ambient and air-outlet in cabin), pressure (high side and low side), refrigerant concentration, and humidity, and instructs technicians to perform human tests on appearance, abnormal noise, odor, etc., to ensure a thorough A/C system inspection with no omissions, and intelligently analyzes the working conditions of the A/C parts (parts of A/C loop, electronic control, fluid media and air distribution) based on these dynamic data. ACDOC86+ is the world's most comprehensive diagnostic and analysis instrument for automobile air conditioners. After all the tests are completed, a digital diagnosis form is presented to the car owner, to help garages make service proposals with transparency and data basis.

NDIR leak detection: Aiming at the most troublesome and frequent A/C problem leak, ACDOC86+ carries out accurate leak detection, and can assure to detect the leak in 10 minutes for the 5g/year micro-leak point. Compared with the high-pressure soapy water leak detection method, UV dye leak detection method, and halogen electronic leak detection method in the market, ACDOC86+ has obvious advantages in high efficiency, interference free, labor saving, and accuracy.

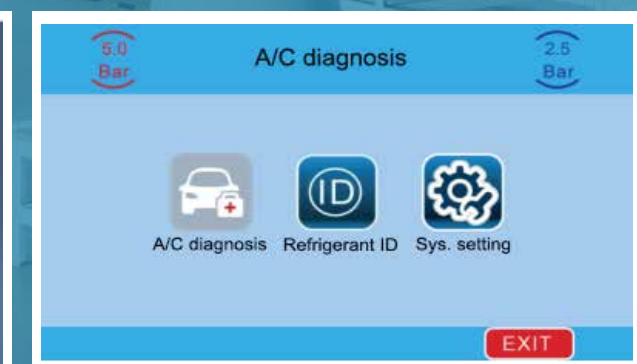


Specifications

- Input power: 12VDC automotive battery, or 110V-250VAC
- Refrigerant identification precision: 0.1%
- Refrigerant identification time: 120 seconds
- Can identify automotive A/C refrigerant or refrigerant in storage tank
- Ambient temperature range for A/C precise diagnosis: 20-50°C
- Pressure transducer range: -1-30bar
- Pressure transducer precision: 0.1bar
- Air outlet temperature sensor range: 0-100°C
- Air outlet temperature sensor precision: 0.1°C
- Leak detection range: 5g/year
- Time for refrigerant identification and A/C testing: 6 minutes
- Estimated leak detection time of each vehicle: 10-15 min
- Leak detection refrigerant: R-134a (free of interference of other gases)
- The air outlet temperature sensor is powered chargeable batteries, bluetooth wireless

Optional

- Thermal printer
- HFO-1234yf applicable



Variable displacement compressor tester

ECV-600

For A/C with variable displacement compressor, when the compressor work status is found abnormal, it is necessary to accurately diagnose whether the fault is the compressor itself, the ECV solenoid or the electronic control system. ECV600 can test the control PWM signal issued by the electronic control system, and can also bypass the electronic control system to directly drive the compressor ECV valve, as well as it can test the resistance of the ECV solenoid. Eventually the ECV600 can accurately determine the fault is the electronic control system, the compressor or the ECV solenoid.

This ECV600 can largely reduce repair time and cost, eliminate misdiagnosis, and avoid the costly repeated repairing. The tester also has electric protection when battery cable is reversely connected by mistake.



- Power supply: Battery power, 12VDC
- Power cable length: 2.5M
- Test cable length: 2.1M
- Connectors: specific connector 12 pairs (male and female), universal connectors 3 pairs (male and female).
- Duty cycle range the tester issues: 18%-84%, PWM signals. The bigger the duty cycle is issued, the larger displacement the compressor achieves.
- Protection against reverse battery connection.
- Test function: Measure the PWM signal issued from control system, to determine the control system work status.
- Output function: Issue PWM signals of different duty cycles to check if the compressor works properly, thus to determine the compressor work status. In this function the duty cycle of PWM is changed manually by pressing the buttons.
- Resistance function: Measure the resistance of ECV solenoid. The normal resistance range of ECV solenoid is 10-14Ω, out of this range can be considered ECV solenoid failure.
- Automatic function: Instead of changing duty cycle of PWM manually, in this function the percentage of duty cycle changes automatically from minimum to maximum (1 minute), and then from maximum to minimum (1 minute). This can free the technicians' hands from pressing the tester buttons, while they only need to observe the HP and LP manometers.