

CLAS[®]
GARAGE SOLUTIONS



Solutions
AIR



CONDITIONING



AUTOMATIC AIR CONDITIONING STATION R1234yf

AC 8344

R1234yf

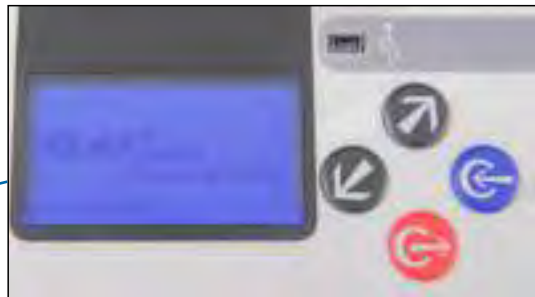
Very easy to use machine, the maintenance of the air conditioning system becomes fun.

Integrated printer



+ Integrated data vehicles
Environmentally friendly use

NEW



128x64 pixel LCD graphic display
Simple et easy-to-use interface



Reading accuracy
Pressure = temperature



Integrated heating belt



Flask holders
quick connectors

Specifications:

- 128x64 pixel LCD graphic display
- 10cc compressor / 50l/min pump / 400g/min recuperator
- 2 hermetically sealed 250ml bottles (used oil, new oil) with anti-moisture filtration system, equipped with male quick-connectors with plunger
- 3m hose kit
- HP/BP quick couplers
- internal cylinder 9Kg / operating limit 1Kg
- scale precision +/- 5g
- calibration/locking tool
- automatic air purge system
- internal cleaning of station circuit
- factory-assembled and tested





TE

AUTOMATIC AIR CONDITIONING STATION R134a

AC 8544

This easy-to-use machine makes air-conditioning system maintenance fun.

R134a

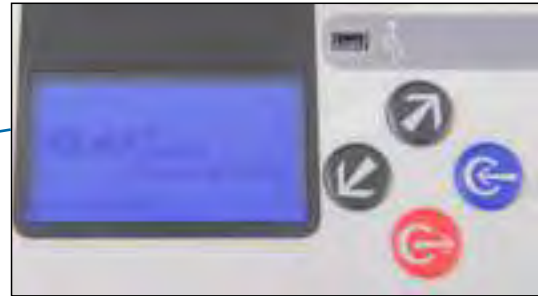
R456a

NEW

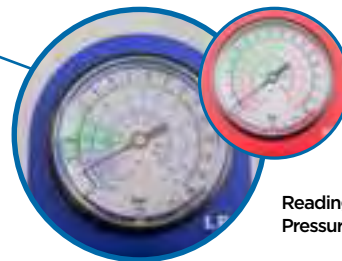
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A/C DIAGNOSTICS

TN

FILLING KIT FOR NITROGEN/HYDROGEN (N2-H2) LEAK DETECTION 50bar

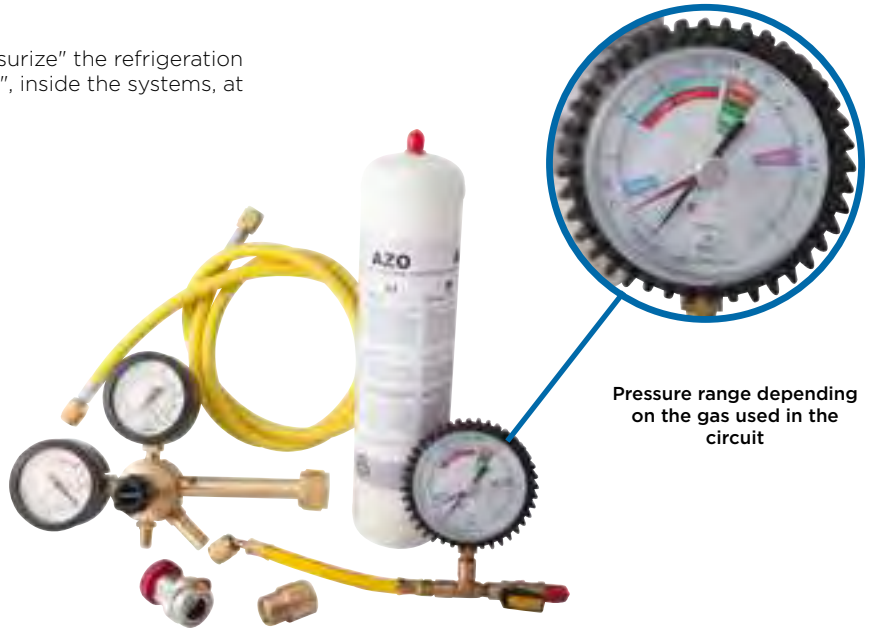
AC 1017

The tooling contained in the case is used to "pressurize" the refrigeration and air conditioning systems in order to "simulate", inside the systems, at which pressure it will have to operate.

+ Compatible with R134a and R1234yf gas

Contents:

- carrying case
- SA4062: pressure relief valve block with safety valve up to 50bar
- SA4060: insulation pressure gauge + flexible 12cm
- SA4063: reducer for 1kg bottle
- SA1090: hydrogenated nitrogen bottle (N2-H2)1kg
- SA4061: 150cm piping system
- SA4029: high pressure connection
- SA4052: gas-specific high pressure fitting R1234yf



Pressure range depending on the gas used in the circuit

Compatible with small and large bottles



UNIVERSAL ELECTRONIC LEAK DETECTOR R134a/1234YF/HYDROGEN

AC 7495

+ Multi-gas, self-calibration



Specifications:

- sensitivity adjustable on 3 levels
- automatic calibration
- sensor type: semi-conductor
- integrated fan
- power supply: 4 x AA alkaline batteries
- battery life: 4-6h continuously
- low battery indicator
- preheating time 45 s
- probe length: 40cm
- delivered in a suitcase with batteries





TN

ELECTRONIC STETHOSCOPE LEAK DETECTOR

AC 5028

The electronic stethoscope allows you, simply by touching with the tip during static testing, to transmit the sound made by the target through headphones to locate engine pinging, bearing noise, slapping, etc. It also lets you detect air leaks normally imperceptible by the human ear by making the ultrasounds made by an airflow audible.

Specifications:

- can be operated with 2x9V batteries (6f22 type) or equivalent
- response frequency: 36000Hz to 44000Hz
- operating temperature: 0°C to 40°C
- storage temperature: -10°C to 50°C
- weight: amplifier 183g/transmitter 156g

Contents:

- amplifier 176x84x35mm
- ultrasonic transmitter 170x84x36mm
- headphones
- alu stethoscope probe 250mm
- plastic amplifier tube 270mm
- carrying case with foam



DETECTION KIT / AIR CONDITIONING IMPURITIES FILTRATION SYSTEM R134a

AC 1018



DETECTION KIT / AIR CONDITIONING IMPURITIES FILTRATION SYSTEM R1234YF

AC 1019



This kit allows you to visually check the condition of the air conditioning circuit.

Controls the quality of the gas according to its clarity, allows to detect the presence of tracer, stop leak, impurities related to the failure of the circuit, or even the compressor. Our kit is also equipped with a moisture analyzer by changing the color as the gas passes through.



BUBBLE LEAK DETECTOR 750ml

CO 6130





CONNECTION 1/4 LOW PRESSURE R134a

TN

SA 4028

Spare part of AC 4029/AC 1014/AC 1016
Accessory of AC 4041/AC 4042/AC 4045/AC 1017/AC 7000



HIGH PRESSURE COUPLER M1/4" R134a

TN

SA 4029

Spare part of AC 4029/AC 1017/AC 1014/AC 1016
Accessory of AC 4041/AC 4042/AC 4045



High pressure connection R134



2 COUPLING M1/4" SAE R134a HIGH & LOW PRESSURE SET

TN

AC 4029



QUICK CONNECTOR R134a HP 90° F14x150 - M1/4"

TN

AC 9190



QUICK CONNECTOR R134a LP 90° F14x150 - M1/4"

TN

AC 9185



AIR CONDITIONING ADAPTER BMW/VOLVO/ FORD HP

TN

AC 4028

Accessory of AC 1012/AC 1014/ AC 1015/AC 1016



AIR CONDITIONING LP R-134a ADAPTER RENAULT

TN

AC 4027

Spare part of AC 4041/AC 4042/AC 4040
Accessory of AC 4055/AC 1017



HIGH PRESSURE COUPLER FOR GAS R1234yf

TN

SA 4052

Spare part of AC 1017
Accessory of AC 1012/AC 1014/AC 1015/ AC 1016



LOW PRESSURE COUPLER FOR GAS R1234yf

TN

SA 4054

Spare part of AC 1012/AC 1014/AC 1015/AC 1016



AIR CONDITIONING LOW PRESSURE COUPLER FORD FIESTA

TN

AC 4036

Accessory of AC 1017/AC 1012/ AC 1014/AC 1015/AC 1016



AIR CONDITIONING HP 1234yf COUPLER FORD FIESTA

TN

AC 4037

Accessory of AC 1017/AC 1012/AC 1014/ AC 1015/AC 1016



BMW HP CONNECTOR R1234yf

TN

AC 9175





BOTTLE UNIVERSAL ADAPTER 1234YF LP TN
 CO 4072



BOTTLE UNIVERSAL ADAPTER 1234YF HP TN
 CO 4073



1kg NITRO-TRACE CYLINDER (N2-H2) TN
 SA 1090

Spare part of AC 1017/AC 1014/AC 1015/AC 1016



1kg: Nitrogen 95% and hydrogen 5%



UNIVERSAL CYLINDER ADAPTER R134A HP TN
 CO 5063



UNIVERSAL CYLINDER ADAPTER R134A LP TN
 CO 5062



2.2kg NITRO-TRACE CYLINDER (N2-H2) TN
 SA 1092

Accessory of AC 1014/AC 1015/AC 1016/AC 1017



Nitrogen 95% and hydrogen 5%






FLEXIBLE 3m R1234yf M12x1.5 x F1/4" SAE RIGHT RED TN
 SA 8735

FLEXIBLE 3m R1234yf M12x1.5 x F1/4" SAE RIGHT BLUE TN
 SA 8734

NOTE Find our complete range on clas.com





  



FLEXIBLE 3m F1/4" x F1/4" SAE RIGHT BLUE TN
 SA 8732

FLEXIBLE 3m F1/4" x F1/4" SAE RIGHT RED TN
 SA 8733

NOTE Find our complete range on clas.com



TN



AIR CONDITIONING R134a CONTROL SET BY TRACER

AC 4052

SA1002: 1 x uv goggles
CO4077: 1 x bag of 12 7.5ml tracer syringes for r134a gas
OE0699: 1 x uv lamp

AIR CONDITIONING R1234yf CONTROL SET BY TRACER

AC 4053

SA1002: 1 x uv goggles
CO4078: 1 x bag 12 tracer syringes 7.5ml for gas r1234yf
OE0699: 1 x uv lamp



R134a - R1234yf

TN

12 SYRINGE TRACER PACK 7,5ml FOR R134a GAS

CO 4077



12 SYRINGE TRACER PACK 7,5ml FOR R1234yf GAS

CO 4078

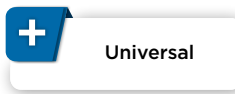


Universal

TN

UNIVERSAL AIR CONDITIONING TRACER 250ml

CO 4068



UNIVERSAL TRACER SYRINGE 7,5ml (12 PCS) + ADAPTER

CO 6253



Hybrid

TN

HYBRID VEHICLES AIR CONDITIONING TRACER 250ml

CO 4069



12 SYRINGE TRACER PACK 7,5ml FOR HYBRID VEHICLE

CO 4079





TN

DIGITAL THERMOMETER

AC 4223



Specifications:

- digital display
- temperature range: - 40° to 250°C
- stainless steel sensor
- automatic stop
- power supply: LR44 battery (included)
- accurate to:
±2% (between -40°C and 200°C)
±3% (between 200°C and 250°C)



DIGITAL ELECTRONIC THERMOMETER

AC 4224



Specifications:

- digital display
- temperature range: -50° to 300°C
- stainless steel sensor
- pressure ±1°C
- battery power 1.5V AAA
- cable length: 900mm
- probe length (chromed part): 170mm
- cable + probe (with handle): 1200mm



ELECTRONIC PROBE THERMOMETER

AC 4231



INFRARED THERMOMETER

-38°/520°

OE 5036

Reliable measurement thanks to its high-precision laser aimer. Very practical, the infrared thermometer measures surface temperature requiring no contact, remotely and totally safely.

Specifications:

- temperature range: -38°C/520°C (-36.4°F/968°F)
- accuracy: ± 2°C
- response time: 1s
- resolution: 0.1C°.0.1°F
- illuminance automatic stop after 15s
- automatic switch off after 60s if no action taken
- power source: 1.5V battery (x2)





A/C MAINTENANCE

CHOOSING THE RIGHT AIR CONDITIONING OIL

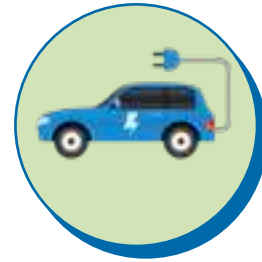
VEHICLE TYPE:



THERMAL



HYBRID



ELECTRIC



MECHANICS

Belt drive

AIR CON COMPRESSOR



ELECTRIC

Battery control

AIR CON PAG OIL

- Choose **PAG** R-134a or 1234yf **universal** air-con oil
- Choose a PAG air-con oil with the grade recommended by the manufacturer.

AIR CON POE OIL

- Choose **POE** R-134a or 1234yf **NO SANDEN universal** air-con oil
- Choose a POE air-con oil with the grade recommended by the manufacturer.



TN



UNIVERSAL

REF	DESIGNATION
CO 4080	UNIVERSAL AIR CONDITIONING OIL 250ml PAG
CO 4081	UNIVERSAL AIR CONDITIONING OIL 1L PAG
CO 4099	UNIVERSAL AIR CONDITIONING OIL POE 80 250ml (EXCEPT SANDEN)

R134a

R456a



REF	DESIGNATION
CO 5003	AIR CONDITIONING OIL PAG 46 250ml - R134a
CO 4093	AIR CONDITIONING OIL PAG 46 1L - R134a
CO 6136	AIRCON OIL PAG 68 250ml - R134a
CO 5004	AIR CONDITIONING OIL PAG 100 250ml - R134a
CO 4094	AIR CONDITIONING OIL PAG 100 1L - R134a
CO 6147	AIRCON OIL PAG 150 250ml - R134a
CO 4095	AIR CONDITIONING OIL PAG 150 1L - R134a
CO 6164	AIRCON OIL POE 32 250ml - R134a
CO 5001	AIR CONDITIONING OIL POE 68 250ml - R134a
CO 4098	AIR CONDITIONING OIL POE 68 1L - R134a
CO 5002	AIR CONDITIONING OIL POE 100 250ml - R134a

R1234yf

REF	DESIGNATION
CO 4096	AIR CONDITIONING OIL PAG 46 250ml - R1234YF
CO 4097	AIR CONDITIONING OIL PAG 100 250ml - R1234YF



NO WARRANTY

LEAK STOP

AIR CONDITIONING LEAK STOP FOR R1234yf 30ml

CO 4070



TN

AIR CONDITIONING LEAK STOP FOR R134a 30ml

CO 4065



NO WARRANTY

CLEANER

AIR CONDITIONING CIRCUIT CLEANER 400ml

CO 1019



TN

AIR CONDITIONING TRACER SPRAY CLEANER 400ml

CO 4074



NO WARRANTY



AIR CONDITIONING WASHING KIT

TN

AC 1023

An economical way to remove contaminants and limescale from air conditioning system components.

The process thoroughly cleans the circuit by removing oil, contaminants, refrigerant residues and moisture from the circuit.

Essential intervention, when replacing a component of the circuit or simply opening the circuit, to quickly and efficiently remove refrigerant oil and debris when replacing a component (e.g. compressor).

Easy to use: simply fill the decontamination solution cartridge, pressurize with the nitrogen cartridge and purge each component.

The cleaning solution is a highly evaporating product, so there is no risk of leaving moisture in the circuit.

The drying of the circuit is done naturally with the hydrogenated nitrogen gas used. 2 washes with 500ml will be possible.



GUN AND SPRAY CLEANING SET FOR AIR CON SYSTEM 600ml

TN

AC 9156



A/C FLUSHING ADAPTER KIT

TN

AC 4061

Conical adapters kit for the connection of washing equipment to A/C systems.

The kit allows to flush elements of an air conditioning system (like condenser, hose, ...) in a closed circuit.

This operation is necessary if the air-conditioning compressor has broken and sent iron filings throughout the circuit.



Contents:

- 2 clamping cones with 1/4 SAE adapter
- 5 sets of plates
- 3 sets of cones
- 1 storage case



LIQUID CANISTER WASHING AIR CONDITIONING 5L

TN

CO 1070

Accessory of AC 1023

Approximately 20 washes





TN

4 COMPARTMENTS ORGANIZER FOR AIR CONDITIONING MAINTENANCE BOX

AC 4021

Accessory of AC 4024/AC 4025/AC 4026/AC 4032/AC 4033/AC 4034

Ideal for grouping aircon maintenance sets.
Can accommodate up to 4 sets.



VALVE/CONNECTOR/PLUG AIR CONDITIONING MAINTENANCE SET

AC 4034

Set of connectors, plugs and valves for all basic maintenance of R134a air conditioning systems.



Components available at retail.



AIR CONDITIONING MAINTENANCE KIT R1234YF

AC 4054

Contents:

- CO4082x4: 20 valve core 19,0x5,12mm R1234yf
- CO4083: 5 valve core 21,8x7,8mm R1234yf
- CO4084: 5 valve core 22,1x9,8mm R1234yf
- CO4085: 5 valve core 21,5,0x7,8mm R1234yf
- CO4086: 5 valve core 20,0x7mm R1234yf
- CO4092: 5 valve core 27,5x7,5mm
- CO4087: 5 plugs M8x1,0 short R1234yf
- CO4088: 5 plugs M8x1,0 long R1234yf
- CO4089: 5 plugs M9x1,0 long R1234yf
- CO4090: 5 plugs M10x0,75 R1234yf
- CO4091: 5 plugs M10x1,25 R1234yf
- AC4048: R12/R134a valve core remover





MAINTENANCE TOOL SET

	REF	DESIGNATION
	AC 4024	AIR CONDITIONING MAINTENANCE TOOL SET FOR FRENCH VEHICLES (214 PCS) NO WARRANTY
	AC 4025	AIR CONDITIONING MAINTENANCE SET FOR GERMAN VEHICLES (171 PCS) NO WARRANTY
	AC 4032	AIR CONDITIONING MAINTENANCE SET FOR ASIAN VEHICLES (241 PCS) NO WARRANTY
	AC 4026	AIR CONDITIONING MAINTENANCE SET FOR ITALIAN VEHICLES (178 PCS) NO WARRANTY
	AC 4033	AIR CONDITIONING MAINTENANCE KIT FOR US VEHICLES (164 PCS) NO WARRANTY

O-RING STANDARD KIT

AC 4056

Contents:

- 15 O-rings 7,65x1,76mm
- 15 O-rings 14x1,78mm
- 15 O-rings 10,82x1,78mm
- 15 O-rings 17,17x1,78mm
- 15 O-rings 10,3x2,5mm
- 15 O-rings 6,34x2,5mm
- 15 O-rings 9,3x1,78mm
- 15 O-rings 4,89x1,53mm
- 15 O-rings 20,4x3,5mm
- 15 O-rings 19,18x2,46mm
- 15 O-rings 20x2,5mm
- 15 O-rings 8x2mm
- 15 O-rings 4,5x1,5mm
- 15 O-rings 8,92x1,5mm
- 15 O-rings 6,8x1,78mm
- 15 O-rings 15x3,5mm
- 15 O-rings 9x2,5mm
- 15 O-rings 6,6x6,51mm
- 15 O-rings 6,3x2,5mm
- 15 O-rings 6,5x2mm
- 15 O-rings 7,5x1,65mm
- 15 O-rings 19x2mm
- 15 O-rings 18,5x2,65mm
- 15 O-rings 7x2mm
- 15 O-rings 4,4x1,78mm
- 15 O-rings 21,5x3,5mm
- 15 O-rings 6,8x1,78mm
- 15 O-rings 20x2,5mm
- 15 O-rings 4,4x1,78mm



AIR CONDITIONING VALVE CORE KIT

AC 4057

Contents:

- CO4010: 20 valve cores 19.0x5.12mm
- CO4017: 10 valve cores 21.5x7.8mm
- CO4018: 5 valve cores 20.0x7.0mm
- CO4028: 5 valve cores 18.7x6.0mm
- CO4029: 5 valve cores 21.8x8.0mm
- CO4084: 5 valve cores 22.1x9.8mm
- CO4058: 5 valve cores 18.35x5.1mm
- CO4059: 5 valve cores 27.15x7.8mm
- CO4060: 5 valve cores 18.5x6.5mm
- CO4082: 5 valve cores 19.0x5.12mm - HFO1234yf
- CO4083: 3 valve cores 21.8x8.0mm - HFO1234yf
- CO4030: 3 valve cores 22.1x9.8mm - HFO1234yf





TN

ORIFICE TUBE SET (20 PCS)

AC 4071

The orifice tube is a tube of specified length and cross-section that expands the refrigerant. Unlike the expansion valve, it is not able to regulate the flow rate and superheat.

The orifice tube is always associated with an accumulator at the outlet of the evaporator and consists of three main parts

- a metal tube with a chamfered inlet
- a plastic tube body
- an inlet and outlet filter

The orifice tube must always be replaced when another important part of the circuit is replaced (compressor, condenser, evaporator, accumulator).



Contents:

- CO5079 x2 for Ford/Mazda/Nissan
- CO5078 x2 for Audi/Toyota
- CO5070 x2 for Volvo
- CO5071 x2 for Audi/Fiat/Chrysler/Alfa Roméo
- CO5072 x2 for Ford
- CO5073 x2 for Opel/GM
- CO5074 x2 for Chrysler/Dodge
- CO5075 x2 for Ford/Jeep/Dodge/Hyundai
- CO5076 x2 for Ford/Mazda
- CO5077 x2 for Ford/Jeep/Mazda/Chrysler



AIR CONDITIONING/FUEL DISCONNECTION KIT

AC 4229

7 piece disconnection set specific to air conditioning and fuel hoses quick connectors.



Contents:

- 7 pieces for pipes Ø 1/4", 5/16", 3/8", 1/2", 5/8", 3/4", 7/8"



4 COUPLING PUSH BUTTON SET

AC 4228



Dimensions 3/8", 1/2", 5/8", 3/4"



R12/R134a VALVE CORE REMOVER

AC 4048



**NOTE**Available in 200ml from clas.com**CABIN PURIFIER 200mL**

REF	DESIGNATION
CO 6255	ANTI-SMOKING SMELL SPRAY 200ml

CABIN PURIFIER 400mL

REF	DESIGNATION
CO 1074	CAR CABIN PURIFIER 400ml LEMON
CO 1075	CAR CABIN PURIFIER 400ml MUSK
CO 1076	CAR CABIN PURIFIER 400ml MINT
CO 6216	CABIN PURIFIER 400ml LAVENDER
CO 6218	CABIN PURIFIER 400ml PINE
CO 6217	CABIN PURIFIER 400ml FOAMING
CO 6220	CABIN PURIFIER 400ml VANILLA

AIR CONDITIONING MAINTENANCE**VACUUM PUMP OIL**

REF	DESIGNATION
CO 6023	VACUUM PUMP OIL ISO 68 500ml

AIR-CONDITIONING STATION FILTER

REF	DESIGNATION
CO 6003	AIR CONDITIONING STATION FILTER CTR
CO 6004	AIR CONDITIONING STATION FILTER ISC L.200mm
CO 6006	AIR CONDITIONING STATION FILTER OKSYS
CO 6007	AIR CONDITIONING STATION FILTER ROBINAIR SPX ECOTECHNICS
CO 6010	AIR CONDITIONING STATION FILTER BRAINBEE
CO 6011	AIR CON FILTER STATION BOSCH TEXA SPX VALEO
CO 6012	AIR CON FILTER STATION BOSCH ROBINAIR
CO 6013	AIR CON FILTER STATION ECOTECHNICS
CO 6014	AIR CON STATION FILTER TEXA
CO 6015	VALEO BRAINBEE AIR CONDITIONING STATION FILTER