

A/C SERVICE UNITS | TOOLS | CONSUMABLES | ACCESSORIES FOR R1234yf | R134a | R513A | R456A | R744



WAECO 2025

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NEWS 2025



NEW! THE WAECO ASC 7 SERIES WITH A COMPLETELY NEW DESIGN!

- ALL-IN-VIEW DISPLAY
- 10" LCD DISPLAY
- INTEGRATED STATUS BAR
- 4 PORTS FOR COMPRESSOR OILS / UV
- INTEGRATED WIFI CONNECTION
- CERTIFIED FOR R1234YF | R134A | R456A | R513A

NEWS 2025

WAECO 3000 LEAK DETECTOR

Take automotive leak detection to the next level. Identifies all FC- and CFC-based refrigerants and blends (e.g. R134a, R1234yf, R456A, R513A or R744).

See page 54



WAECO MULTIGAS LEAK DETECTOR

Reliable leak detection suitable for forming gas. With 3 sensitivity levels. Simple operation that allows for easy, repeatable gas detection.

See page 54

WAECO POLYREACTGUARD S Protect your equipment!

Filters polymer from the extracted refrigerant before it enters the A/C device.



See page 36

WAECO FORMING GAS PRESSURE REDUCER 90 BAR

for R744 application.



See page 52

WAECO AIRCON PARTS

WAECO has been known as the specialist in AirCon solutions for all kinds of vehicles for over 40 years.

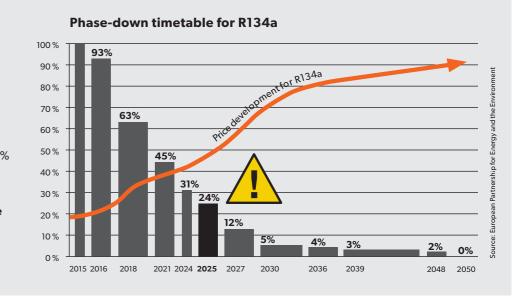


See page 79

FURTHER REDUCTION OF R134A QUOTAS

Due to the F-gas regulation of the EU, the approved R134a import quantities will be further reduced with the beginning of the year 2025. They will only amount to 24% of the original quantity from 2015.

Invest now in a Low Emission A/C service unit to avoid service losses and save refrigerant.







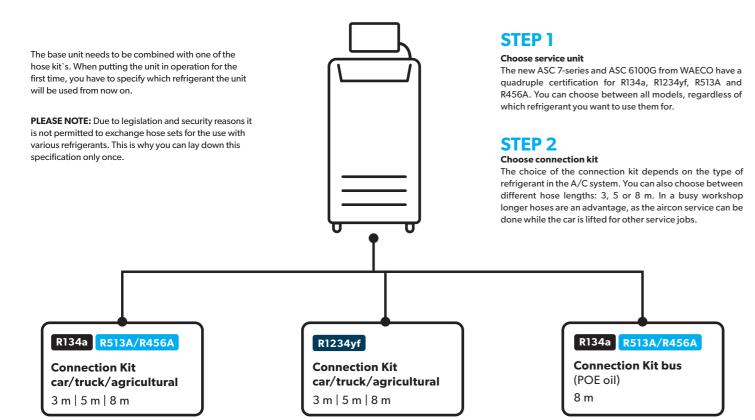


ASC A/C SERVICE UNITS

THE COOLEST COLOUR IN 2025 IS BLACK

A/C servicing in a professional workshop is practically unthinkable without a modern, fully automatic service unit. - With the start of the 2025 air conditioning season, we are launching our new ASC7 series, which, like its predecessors, is certified for 4 refrigerants. Welcome the new members of our ASC family!

Nevertheless, we will also keep the well-known ASC6100G for those customers who do A/C servicing less often. And we will keep the "all-round carefree" ASC 5500G RPA (only for use with R1234yf).



A/C SERVICE UNITS OVERVIEW

ASC 7.3

Classic model for professionals



High-volume version for large refrigerant amounts R134a R1234yf R513A/R456A



Universal entry-level model



18-19

ASC 7.3 LE

12

Classic model for professionals



ASC 7.4 LE Highly efficient Low Emission unit for large refrigerant amounts



ASC 5500 G RPA 2020

Designed for highest demands on safety and efficiency



20-21



COMING SOON!

ASC 7.744 Service unit for A/C



CO₂ Upgrade Kit

22-23

Smart service kit for A/C operating with R744



Service Equipment for mobile A/C service on the spot



24-25

CUSTOM MODELS

NO PROBLEM FOR EUROPE'S LEADING MANUFACTURER!

In addition to the standard models presented in this catalogue, we also create customised A/C service units - e.g. for the authorised workshops of leading automotive manufacturers like e.g. Volkswagen and for other customers. Please contact us if you are interested in a device customised for your own workshop brand.



WELCOME TO THE NEW ASC 7-SERIES!

MANY SMART FEATURES THAT WILL IMPRESS YOU



WELCOME ASC 7! GET TO KNOW US BETTER!

The new models come in a completely new design. A new characteristic is the "all-in-view" display, which features digital pressure gauges. Smart: an integrated status bar shows the progress of the process. Another new feature is the expansion to 4 ports for compressor oils and/or UV additives. This eliminates the need to constantly connect and disconnect the cans in the workshop. The option of WiFi connection, which was previously possible via an additional device, is now directly integrated in the 7 series.

ASC 7.3 and ASC 7.3 LE replace our top sellers ASC 6300 G and ASC 6300 G LE. Accordingly, the ASC 7.4 and ASC 7.4 LE models replace the previous ASC 6400 G and ASC 6400 G LE.

Like the 6000 series models, the 7 series appliances are also certified for four refrigerants (R1234yf, R134a, R456A, R513A). Please also order the required connection kit.

Upgrade your workshop and treat your mechanics to a highly efficient, practical and cool looking device!

WAECO ASC LOW EMISSION

SAVE COSTS & PROTECT THE ENVIRONMENT

Safety and efficiency: low-emission air conditioning service units meet the highest safety requirements and ensure that practically no refrigerant escapes during the service process. This keeps workplace concentrations low, saves costs and protects the environment.

ASC Low Emission won the 2022 PartsLife environmental award for preventing climate-damaging R134a refrigerant emissions.



KEY CHARACTERISTICS OF THE LOW EMISSION CONCEPT



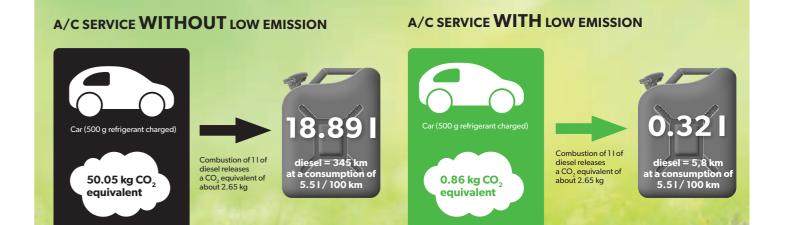
Patented, low emission used oil container

prevents refrigerant loss during used oil purging; the refrigerant recovered with the used oil is supplied to the refrigerant tank and included in the weighing.



Vacuum pump with control block

ensures deep down evacuation of the A/C system. It pumps the evaporated refrigerant into the internal container of the Low Emission service unit, so no refrigerant can escape into the environment.



TÜV NORD CERTIFIES:

"In summary, the Low Emission series A/C service units (...) release almost no refrigerant into the environment."



HOW MUCH CAN YOU SAVE?

Calculate your refrigerant savings with Low Emission. Use the Low Emission calculator on our website:



ASC 7.3

FULLY AUTOMATIC A/C SERVICE UNIT







- Vacuum pump capacity: 5 cars/hour
- · Wi-Fi on board
- · Patented feeding system for fresh oil and **UV** additive
- Four Oil UV ports accuracy +/-1g
- Used oil drain accuracy +/- 1g
- Automatic vacuum check
- Automatic charging of leak detection additive
- Integrated charging amount database
- Swivel-mount 10" LCD display

- Heated charging cylinder for high-speed charging, heat-up also possible during the charging and vacuum process
- Special, 8-bearing weighing platform
- Special air conditioner flush function
- · Special hybrid flushing program
- · Large recessed tray for tools
- · 500 ml used oil container for longer change intervals
- Three USB ports
- Certified for four refrigerants
- Filter performance for 150 kg refrigerant

ASC 7.3 Ref. No. 9103303116 Instruction package Ref. No. 8889900001 Ref. No. 8885400035 Adapter for non-returnable bottles 1/4" HD Optional:

Thermal printer Ext. pressure test kit ASC S7k External gas analyser SAE, R134a External gas analyser SAE, R1234yf Ref. No. 8885200327 Ref. No. 8885200334 Ref. No. 8885200330 Ref. No. 8885200331





10" LCD DISPLAY

All-in-view rotatable display



WI-FI READY

Integrated wi-fi connection for easy workflow



4 OIL/UV PORTS

Use different oil types without changing the bottles



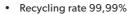
Please order the basic ASC unit and your choice of connection kit (you can assign only one your device).



of the refrigerants to

ASC 7.3 LE

FULLY AUTOMATIC LOW EMISSION A/C SERVICE UNIT



- Charging cylinder storage capacity: 16 kg
- · Vacuum pump capacity: 5 cars/hour
- · Wi-Fi on board
- · Patented feeding system for fresh oil and UV additive
- Four Oil UV ports, accuracy +/-1g
- Used oil drain accuracy +/- 1g
- · Automatic vacuum check
- · Automatic charging of leak detection additive
- · Integrated charging amount database

- Swivel-mount 10" LCD Display
- Heated charging cylinder for high-speed charging, heat-up also possible during the charging and vacuum process

NEW!

- Special, 8-bearing weighing platform
- Special air conditioner flush function
- · Specal hybrid flushing program
- · Hermitically closed used oil container for the Low Emission concept
- Three USB ports
- · Certified for four refrigerants
- Filter performance for 150 kg refrigerant

ASC 7.3 LE Ref. No. 9103303117 Ref. No. 8889900001 Instruction package Adapter for non-returnable bottles 1/4" HD Ref. No. 8885400035

Optional:

Thermal printer Ref. No. 8885200327 Ref. No. 8885200334 Ext. pressure test kit ASC S7k Ref. No. 8885200330 External gas analyser SAE, R134a Ref. No. 8885200331 External gas analyser SAE, R1234yf





LOW EMISSION

Virtually no refrigerant escaping into the environment



WI-FI READY

Integrated wi-fi connection for easy workflow



4 OIL/UV PORTS

Use different oil types without changing the bottles



Please order the basic ASC unit and your choice of connection kit (you can assign only one of the refrigerants to your device).

CHOOSE THE CONNECTION KIT (APPLICATION FOR R134a, R1234yf, R513A OR R456A).

R134a R513A/R456A

Every kit includes service couplers oil/UV test bottles protection cover and the needed adapters. Please choose your required hose length.

Ref. No. 8885500019 Connection kit 3 m Connection kit 5 m Ref. No. 8885500020 Ref. No. 8885500021 Connection kit 8 m

R1234yf

Every kit includes service couplers oil/UV test bottles protection cover and the needed adapters Please choose your required hose length.

Ref. No. 8885500022 Connection kit 3 m Connection kit 5 m Ref. No. 8885500023 Ref. No. 8885500024 Connection kit 8 m

R134a R513A/R456A

Bus application with POE oil Connection kit 8 m incl. service couplers. POE oil, protection cover and the needed

Ref. No. 8885500025

CHOOSE THE CONNECTION KIT (APPLICATION FOR R134a, R1234yf, R513A OR R456A).



R134a R513A/R456A

Every kit includes service couplers oil/LIV test bottles protection cover and the needed adapters Please choose your required hose length.

Connection kit 3 m Connection kit 5 m Connection kit 8 m

Ref. No. 8885500019 Ref. No. 8885500020 Ref. No. 8885500021

R1234yf

Every kit includes service couplers oil/UV test bottles protection cover and the needed adapters. Please choose your required hose length.

Ref. No. 8885500022 Connection kit 3 m Connection kit 5 m Ref. No. 8885500023 Ref. No. 8885500024 Connection kit 8 m

R134a R513A/R456A

Bus application with POE oil

Connection kit 8 m incl. service couplers. POE oil, protection cover and the needed

R134a R1234vf R513A/R456A

ASC 7.4

FULLY AUTOMATIC, HIGH-VOLUME A/C SERVICE UNIT





- Charging cylinder storage capacity: 28 kg
- Vacuum pump capacity: 192 l/h
- Wi-Fi on board
- Patented feeding system for fresh oil and **UV** additive
- Four Oil / UV ports, accuracy +/-lg
- Used oil drain accuracy +/- 1g
- Integrated charging amount database
- Swivel-mount 10" LCD display
- Heated charging cylinder for high-speed charging, heat-up also possible during the charging and vacuum process

- Special, 8-bearing weighing platform
- Special air conditioner flush function
- · Special hybrid flushing program
- 500 ml used oil container for longer change intervals
- Three USB ports
- Certified for four refrigerants
- Filter performance for 150 kg refrigerant
- Integrated high-performance liquid pump for filling large quantities of refrigerant and/or for filling for special applications of service connections at great heights



ASC 7.4 Ref. No. 9103303118 Instruction package Ref. No. 8889900001 Ref. No. 8885400035 Adapter for non-returnable bottles 1/4" HD

Optional:

Ref. No. 8885200327 Thermal printer Ext. pressure test kit ASC S7k Ref. No. 8885200334 Ref. No. 8885200330 External gas analyser SAE, R134a External gas analyser SAE, R1234yf Ref. No. 8885200331



10" LCD DISPLAY

For busses, trains, helicopters Integrated wi-fi connection for easy workflow and custom applications



WI-FI READY

All-in-view rotatable display

Please order the basic ASC unit and your choice of connection kit (you can assign only one of the refrigerants to

your device).

ASC 7.4 LE

FULLY AUTOMATIC LOW EMISSION A/C SERVICE UNIT, HIGH VOLUME



- Charging cylinder storage capacity: 28 kg
- Vacuum pump capacity:192 I/hour
- Wi-Fi on board
- Patented feeding system for fresh oil and UV additive
- Fully automatic refrigerant recycling, oil and additive management
- Four Oil / UV ports, accuracy +/-1g
- Used oil drain accuracy +/- 1g
- · Automatic charging of leak detection
- · Integrated charging amount database
- Swivel-mount 10" LCD display

· Heated charging cylinder for high-speed charging, heat-up also possible during the charging and vacuum process

NEW!

- Special, 8-bearing weighing platform
- Hermitically closed used oil container for the Low Emission concept
- Three USB ports
- Certified for four refrigerants
- Filter performance for 150 kg refrigerant
- Integrated high-performance liquid pump for filling large quantities of refrigerant and/or for filling for special applications of service connections at great heights



ASC 7.4 LE

Instruction package

Adapter for non-returnable bottles 1/4" HD

Optional:

Thermal printer Ext. pressure test kit ASC S7k External gas analyser SAE, R134a External gas analyser SAE, R1234yf Ref. No. 8885200327 Ref. No. 8885200334 Ref. No. 8885200330 Ref. No. 8885200331

Ref. No. 9103303119

Ref. No. 8889900001

Ref. No. 8885400035



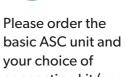
WI-FI READY

Integrated wi-fi connection for easy workflow



HIGH VOLUME

For busses, trains, helicopters and custom applications



connection kit (you can assign only one of the refrigerants to your device).

CHOOSE THE CONNECTION KIT (APPLICATION FOR R134a, R1234yf, R513A OR R456A).



R134a R513A/R456A

HIGH VOLUME

Every kit includes service couplers oil/UV test bottles protection cover and the needed adapters. Please choose your required hose length.

Ref. No. 8885500019 Connection kit 3 m Connection kit 5 m Ref. No. 8885500020 Ref. No. 8885500021 Connection kit 8 m

R1234yf Every kit includes service couplers oil/UV test bottles

protection cover and the needed adapters Please choose your required hose length

Ref. No. 8885500022 Connection kit 3 m Connection kit 5 m Ref. No. 8885500023 Ref. No. 8885500024 Connection kit 8 m

R134a R513A/R456A

Bus application with POE oil Connection kit 8 m incl. service couplers. POE oil, protection cover and the needed

Ref. No. 8885500025

CHOOSE THE CONNECTION KIT (APPLICATION FOR R134a, R1234yf, R513A OR R456A).



R134a R513A/R456A

LOW EMISSION

Virtually no refrigerant escaping

into the environment

Every kit includes service couplers oil/LIV test bottles protection cover and the needed adapters Please choose your required hose length.

Connection kit 3 m Connection kit 5 m Connection kit 8 m

Ref. No. 8885500019 Ref. No. 8885500020 Ref. No. 8885500021

R1234yf

Every kit includes service couplers oil/UV test bottles protection cover and the needed adapters. Please choose your required hose length.

Ref. No. 8885500022 Connection kit 3 m Connection kit 5 m Ref. No. 8885500023 Ref. No. 8885500024 Connection kit 8 m



Bus application with POE oil

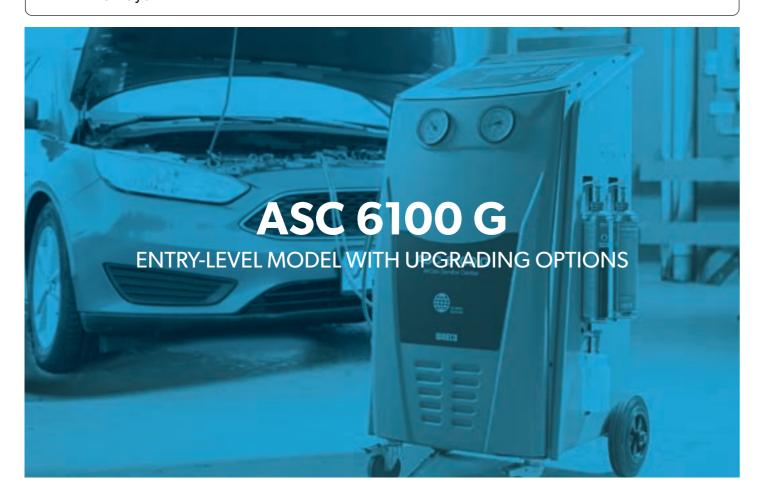
Connection kit 8 m incl. service couplers. POE oil, protection cover and the needed

ASC features	ASC 7.3	ASC 7.3 LE	ASC 7.4	4	ASC 7.4 LE	
Article No.	9103303116	9103303117	910330311	8	9103303119	
Power supply 220/240 V – 50/60 Hz				•		
Dimensions W x H X D (mm)	560 x 135		560 x 1350	x 700		
Weight (kg)	100	102	110		110	
Suitable for refrigerant	R134a, R513A, R4 (depending on c			, R513A, R45 ending on co	6A or R1234yf nnection kit)	
Purity of recovered refrigerant according to SAE J 2099	•	•		•		
Refrigerant recovery rate (kg/h)	30)		30		
Refrigerant recycling rate	min. 97%	Close to 100%	min. 97%		Close to 100%	
Vacuum pump capacity	5 cars	s/h		192 1/1	n	
Performance of the hermetic compressor (kW)	0.3	2		0.32		
Dry filter capacity (kg)	150)	150			
Wifi	Wifi ready (in	ntegrated)	Wifi ready (integrated)			
Usability	Control b	outtons		Control bu	ttons	
Process control	Process st	atus bar		Process stat	us bar	
Display and manometers	Digi	tal		Digita	I	
Printer	Optional extra:	8885200327	Opt	ional extra: 88	385200327	
Refrigerant charging	Autom	atic		Automa	tic	
Charging cylinder (kg)	16			28		
Processes						
Refrigerant analysis		Gas analyser R13	extra external 84a : 8885200330 234yf :8885200331			
Evacuation	Autom	natic		Automa	tic	
Vacuum check (leak diagnosis)	Autom	atic	Automatic			
Recovery/recycling	Autom	natic	Automatic			
Purging of non-condensable gases	Automatic/e	Automatic/electronic				
Purging of used oil, evacuation, vaccum check	Autom		Automa	tic		
Injection of leak detection additive	Autom		Automa	tic		
Injection of A/C oil and refrigerant charging	Autom	natic		Automa	tic	
High/low pressure indicated by	Digital ma		Digital mand	ometer		
Option to set the evacuation time		•		•		
USB port for software- and database updates	3			3		
Mandatory accessories (to choose)						
Connection kit 3 m		R134a, R456A, R1234yf:	R513A: 8885500019 8885500022			
Connection kit 5 m		R134a, R456A, R1234yf:	R513A: 8885500020 8885500023			
Connection kit 8 m		R134a, R456A, R1234yf:	R513A: 8885500021 8885500024			
Connection kit 8 m, POE oil, for bus application		R134a, R456A, R1234yf:	R513A: 8885500025 on request	5		
Optional accessories and spares						
Universal flush container	R134a: R1234yf:	8885200088 8885200272		R1234yf: 8	8885200088 8885200272	
Protection cover		R134a: 8885200328	3; R1234yf:88852003			
Heat Belt, 60×350 mm (for tank Ø 13 cm – 18 cm)	-			8885300	260	
Heat Belt, 75 x 480 mm (for tank Ø 13 cm – 25 cm)	-		8885300261			
Heat Belt, 130 x 300 mm (for tank Ø 13 cm – 18 cm)	-		8885300262			
Connection kit for buses	-	8885400290				
Service quick couplers, HP		8885400027 8885400370				
Service quick couplers, LP		R134a: R1234yf:	888540026 8885400369			
Printer paper		•	stalled 4445900515			
Used oil bottle	4440600033	4440600131; 4443300097	444060003	33 4	440600131; 4443300097	
Vacuum pump oil			8, 8887200081			
Service filter	444040	4440400012				
Charging hose HP	part of conn	ection kit	part of connection kit			
Charging hoses LP	part of conn	ection kit		part of conne	ction kit	

ASC 6100 G	ASC 5500 G RPA 2020
9103303104	9103301896
•	•
600 x 1040 x 600	560 x 1300 x 650
90	110
R134a, R513A, R456A or R1234yf (depending on connection kit)	R1234yf (ready for use incl. 3 m hoses)
•	•
30	30
min. 95%	Close to 100%
4 cars/h	5 cars/h
0.32	0.32
150	150
Optional via Wifi kit: 8885200311	Optional via Wifi kit: 8885200311
Control buttons	Control buttons
3-LED indicator	4-LED indicator
Analogue	Analogue
-	integrated
Automatic	Automatic
10	16
	Integrated (R1234yf application)
Automatic	Automatic
Automatic	Automatic
Automatic	Automatic
Automatic / electronic	Automatic / electronic
Automatic	Automatic
Automatic	Automatic
Automatic	Automatic
Manometer	Manometer
•	•
1	1
R134a, R456A, R513A: 8885500008 R1234yf: 8885500011	inclusive 3 m hose, oil, UV and coupler
R134a, R456A, R513A: 8885500009 R1234yf: 8885500012	-
R134a, R456A, R513A: 8885500010 R1234yf: 8885500013	-
R134a, R456A, R513A: 8885500014 R1234yf: on request	-
-	8885200272
4445900081	4445900081
-	-
-	-
-	-
-	-
R134a: 8885400027 R1234yf: 8885400370	8885400164
R134a: 8885400026 R1234yf: 8885400369	8885400163
-	4445900515
4440600249	4440600131; 4443300097
8887200018, 8887200081	8887200018, 8887200081
R134a: 4440400009 R1234yf: 4445900221	4445900221
part of connection kit	4440600175
part of connection kit	4440600176



Upgrading options: heat belt, humidity free storage and feeding system for fresh oil and UV dye





SOFT GRAPHIC DISPLAY

The soft graphic display can also display special characters such as Cyrillic or Chinese script.



COMPLIES WITH SAE J 2099

The purity of the recovered refrigerant complies with the SAE J 2099 standard.



UPGRADING OPTIONS

The ASC 6100 G can be upgraded with a heat belt. The unit is also prepared for the humidity free storage and feeding system for fresh oil or UV additive.



USB INTERFACE

Via the USB port you can simply update the software of the service unit. Or export important data to a USB stick for further processing on a laptop or PC.

Are you just starting to provide A/C service with only a few service orders per month? Here is a low-cost service unit that gives you all the features required for safe work. The new ASC 6100 G performs all service processes automatically achieving a refrigerant recycling rate of at least 95%. The purity of the recovered refrigerant complies with the SAE J 2099 standard.

Expecting more orders in the future? You can easily upgrade your entry-level service unit at a later date - e.g. a heat belt for the charging cylinder. A USB port and a soft graphic display that can also display special characters are already included.

ASC 6100 G Entry-level automatic A/C service unit

- Charging cylinder storage capacity: 9 kg
- · Automatic refrigerant recycling, oil and UV additive management controlled by load cell
- Purity of recovered refrigerant according to SAE | 2099
- Refrigerant recycling rate: at least 95%
- Forced ventilation with two fans at the rear
- Soft graphic display can also display special characters

- USB interface
- Load cell, no transport lock necessary
- · Optional: dust cover
- · Humidity free storage and feeding system for fresh oil and UV additive
- · Optional: heat belt for the charging cylinder
- Optional: hybrid flushing



Optional:

WAECO ASC G WIFI KIT Ref. No. 8885200311 Hybrid flush kit for R134a application Ref. No. 8885200270 Hybrid flush kit for R1234yf application Ref. No. 8885200259 Heat belt for the charging cylinder Ref. No. 8885200277 **Dust cover** Ref. No. 4445900081

Scope of delivery: operation manual, used oil container (250 ml), safety kit







VISIT US ON YOUTUBE



NOTE

Please order the basic ASC unit and then your choice of hose set separately (you can assign only one of the refrigerants to your device).

CHOOSE THE CONNECTION KIT (APPLICATION FOR R134a, R1234yf, R513A OR R456A).





R134a R513A/R456A

Every kit includes service couplers oil/UV test bottles connection port and refrigerant bottle adapter. Please choose your required hose length.

Option1: Connection kit 3 m Ref. No. 8885500008 Option2: Connection kit 5 m Option3: Connection kit 8 m

Ref. No. 8885500009 Ref. No. 8885500010



R1234yf

Every kit includes service couplers oil/UV test bottles connection port and refrigerant bottle adapter Please choose your required hose length.

Option1: Connection kit 3 m Ref. No. 8885500011 Option2: Connection kit 5 m Ref. No. 8885500012 Option3: Connection kit 8 m Ref. No. 8885500013



R134a R513A/R456A

Bus application with POE oil

Connection kit 8 m incl. service couplers, POE oil, connection port and refrigerant bottle adapter





The service unit comes with integrated refrigerant analysis function. Explosion protection: hazard analysis performed by an independent test



R1234yf is flammable under certain conditions. Therefore, the system start will only activate the external fan. After the fan has been running for 35 seconds, the voltage is passed on to the system



LOW EMISSION CONCEPT

Virtually no refrigerant escaping into the environment and identification of the exact amount of the recovered refrigerant in the weighing procedure avoids unnecessary troubleshooting.

Vehicles with an A/C system filled with R1234yf are already a common case in the workshop today. Brand-bound motor garages, in particular, are obliged to offer service for these systems. Against this backdrop WAECO's AirCon professionals have designed, in RPA service unit.

As R1234yf is very sensitive to contamination with other refrigerants, the ASC 5500 G RPA was fitted with an integrated analysis tool that checks the refrigerant purity.

Designed inside out for use with R1234yf refrigerant, the ASC 5500 close cooperation with the automotive industry, the ASC 5500 G GRPA meets fire regulations and offers all the benefits known from the "classic" models in the ASC series.

ASC 5500 G RPA 2020 LOW EMISSION SERVICE UNIT FOR R1234yf

- Charging cylinder storage capacity: 16 kg, vacuum pump capacity: 5 cars/h
- Optional: humidity free storage and feeding system for fresh oil and UV additive
- · Integrated fully automatic refrigerant analysis function
- · Fully automatic refrigerant recycling, oil and additive management
- · Automatic vacuum check
- · Automatic leak check prior to service start
- Automatic charging of leak detection
- Integrated charging amount database

- Complies with SAE J 2099, 2788 and 2843
- Close to 100% refrigerant recovery
- · Operator guidance via large display
- Heated charging cylinder for high-speed charging
- Special, 8-bearing weighing platform
- Special air conditioner flush function
- · Also suitable for hybrid vehicles
- Including adapter for non-returnable bottles 1/4" HD
- 3 separate weighing cells for UV additive and oil management



R1234yf



ASC 5500 G RPA Ref. No. 9103301896 Ref. No. 8889900001 Instruction package

Optional:

WAECO ASC G WIFI KIT Ref. No. 8885200311 Ref. No. 8885200259 Hybrid flush kit for R1234yf application

Scope of delivery: Service hoses (SAE standard, 3 m), valve adapter for WAECO refrigerant bottles, operating instructions, adapter for 500 ml fresh oil and UV tracer dye bottle, heated refrigerant tank, dust cover, used oil container (500 ml), hermetically closed used oil container, goggles / safety gloves, test bottle UV additive and test bottle WAECO DHO 1234yf



Practical: Innovative used oil container with refrigerant return system



Complete refrigerant recovery – including the residual amount contained in the used oil



Rear side: Filter is easy to access from the outside (as required by TÜV)



Since 2017, some German vehicle manufacturers have been some of their model ranges. The service volume here is still manageable, but increasing. So far, investing in a special R744 air conditioning service unit has not been worthwhile for every independent workshop.

How can the customer still be satisfied?

using environmentally friendly CO₂ (R744) as a refrigerant in As an efficient solution, WAECO offers a significantly cheaper option for the R744 service on vehicles: the CO₂ upgrade kit.

THE EFFICIENT SOLUTION:

R744 UPGRADE KIT FOR ASC SERVICE UNITS

Get ready for servicing vehicles with R744 air conditioning systems (CO₂). Simply combine your A/C service unit with the WAECO R744 service kit and get started right away!

With the CO₂ upgrade kit from WAECO, any current WAECO air conditioning service unit can be adapted for servicing R744 air conditioning systems in just a few simple steps. The core component is a 4-way precision fitting made of stainless steel, complete with pressure gauges and high-quality service hoses that can withstand an operating pressure of 120 - 140 bar.

The set also includes a maintenance-free refrigerant scale as well as 1.82 m long HD hoses and matching adapters. Fittings, hoses and service couplers are stored in a handy workshop case to save space.

R744 Upgrade Kit

Ref. No. 8885100178

Scope of delivery*: 4 way manifold R744 in suitcase, adapter 3/8" SAE female x $\frac{1}{4}$ " SAE, adapter HP $\frac{1}{4}$ " SAE R134a, adapter HP $\frac{1}{4}$ " SAE R1234yf, adapter bottle female x 1/4" SAE, coupler LP, coupler HP, refrigerant scale.



4 VALVE MANIFOLD

- Precision stainless valve feed screws
- For R744
- Hoses 182 cm (¼ Flare SAE)
- Including VAC Hose
- Operating pressure 120 bar
- Sturdy tool case



To meet the special requirements of R744 (CO₂), especially the high pressures, it is essential to design the hoses, manifold and fittings appropriately.



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^{*} bottle adapter in this kit can be locally different

WAECO SERVICE EQUIPMENT FOR MOBILE A/C SERVICE ON THE SPOT



As a one-stop-shop for A/C workshop equipment, market leader WAECO also offers professional tools for mobile use. Mobile tools not only give you more flexibility in the workshop, they are also ideal for customers expecting an "on the spot" repair service to prevent costly downtimes. Farmers, for instance, wouldn't want to have their machinery repaired in the workshop during the busy harvest season, where every utility vehicle air conditioners, and a 4-way manifold stored in a minute of standstill would cost them a fortune.

To address these customer requirements, we have put together a collection of mobile A/C service tools that makes your mobile crew's

work easier and more efficient. Your customers will appreciate this and value your company as a partner who is ready to go an extra mile

Our mobile A/C service kit includes all you need for professional A/C service on site: refrigerant bottles, refrigerant scales, a portable recovery unit, a light-weight vacuum pump that is strong enough for handy workshop case.

WAECO AIRCON SERVICE –

EVACUATION OF AUTOMOTIVE AIR CONDITIONERS

Evacuation of automotive A/C systems has to be done with vacuum pumps designed for the purpose. Too fast an evacuation by means of over-dimensioned vacuum pumps will lead to icing of residual moisture in the air conditioning system and consequently to system malfunctions.

Today's automotive A/C systems only have a maximum volume of 3 litres of air. Therefore, only 3 litres of air per minute will flow through the service coupler during the evacuation process. The vacuum pumps shown below have been exactly designed to match the specific capacity requirements of automotive A/C systems.

Vacuum pump, 42 I/min

Vacuum pump for use on passenger car and utility vehicle air conditioners

Specifications

Rated flow 42 I/min 125 W Power input 230 V/50 Hz End vacuum 0.5 mbar Supply voltage Speed 2.850 1/min Dimensions 95 x 184 x 279 mm

Oil capacity 227 ml Weight 4.5 kg

Ref. No. 8885200257 Vacuum pump



Vacuum pump, 132 I/min

High-performance vacuum pump for use on automotive air conditioners with a refrigerant charging amount of more than 2 kg.

Specifications

132 I/min Rated flow Power input 330 W End vacuum 0.02 mbar Supply voltage 230 V/50 Hz 2.800 1/min Speed Dimensions 350 x 134 x 265 mm Oil capacity 400 ml Weight 11.2 kg

Ref. No. 8885200256 Vacuum pump



A/C service kit for mobile or workshop use (recovery + evacuation + charging + inspection)



Refrigerant bottle (returnable or non-returnable) + Recycling bottle (supplied by refrigerant dealer)



Refrigerant scales Ref. No. 8885100099



Refrigerant recovery unit Ref. No. 8885200276



Vacuum pump

4-way manifold for mobile use Ref. No. 8885100161 (R134a)

Automotive air conditioner

R1234yf

Refrigerant recovery unit

Automatic recovery of refrigerants (R12, R22, R134a, R1234yf, R404a, R413a (Isceon 49), R410a)

• Recovery of refrigerant from A/C systems, transfer from one refrigerant bottle to another, disposal in a special R-bottle

Automatic self-emptying – several recovery processes can be performed easily and quickly

Specifications

Recovery rate gases: 16 kg/h; liquids: 22 kg/h

230 volts/50 Hz Supply voltage 350 watts Power input TÜV/GS Audits Weight 12.6 kg

Scope of delivery: Recovery unit, red and blue service hoses with ball valves

Ref. No. 8885200276 Refrigerant recovery unit Ref. No. 8880700361 Spare filter



For stationary use in A/C workshops (R134a, R404a, R407c)

- Pressure relief valve, tared at 15.5 Bar
- Pressure gauge 0-25 Bar with colour marked sectors of working pressures (green, yellow and red)
- Easy reading scales and liquid level indicator
- With internal heating for faster recovery (220 V/50HZ)

Scope of delivery: Charging cylinder, safety valve, manometer

Ref. No. 8885200322 Charging cylinder

Refrigerant scales

Heavy-duty weighing platform with separate display unit in sturdy plastic case

- Large LCD display with setting option for kg lb oz
- Solenoid valve control for accurate charging
- 100 kg weighing platform
- Recovery and charging possible via solenoid valve control system
- Charging process can be repeated
- 220-volt solenoid valve control
- Mains-independent 9-volt LCD control system
- Max working pressure 30 bar

Ref. No. 8885100099 Refrigerant scales



R134a R1234yf 4-way manifold for mobile use

- High quality connection for 3/8" SAE
- Manometer class 1
- Not damped
- · Can be adjusted by the operator
- Includes safety sight glass and suspension
- Complete kit including hoses and tool

4-way manifold, R134a, R 404a, R 407c, R 22

Ref. No. 8885100161



4-way manifold for mobile use

- High quality connection for 3/8" SAE
- Manometer class 1
- Not damped

R134a

- Can be adjusted by the operator
- Includes safety sight glass and suspension
- Complete kit including hoses and tool

4-way manifold, R1234yf Ref. No. 8885100162



4-way manifold for R744

- Precision stainless valve feed screws
- Hoses 182 cm (¼ Flare SAE)
- Including VAC Hose
- Operating pressure 120 bar
- · Sturdy tool case

4-way manifold, R744 Coupler R744 LP Coupler R744 HP

Ref. No. 8885100176 Ref. No. 8885400373 Ref. No. 8885400374





External gas analyser

When servicing vehicle A/C systems, it is important to make sure you are using the correct refrigerant. Using the wrong refrigerant, or accidentally mixing different refrigerants, can lead to highly dangerous situations in the workshop or on the road. Our identifiers and gas analysis tools help you to check the purity of the refrigerant.

- Checks the purity of refrigerant to prevent dangerous crosscontamination
- Easy to retrofit just plug and play
- Robust metal housing designed to cope with the rigors of workshop use
- Can only be combined with the ASC 7-series

Gas analyser, R134a Ref. No. 8885200330 Gas analyser, R1234yf Ref. No. 8885200331



WAECO ASC G WiFi Kit

- Easy retrofitting via the USB port on the display of the ASC service unit
- Communicates with all internet-capable devices PC, laptop, tablet, smart phone
- Data transmission via an existing or self-created WiFi network
- Generates a website accessible via all commonly used browsers
- Sends service data from the ASC service unit to the digital device
- Receives tasks for the ASC service unit from the digital device
- Compatible with all ASC G-series A/C service units



VISIT US ON YOUTUBE.

WAECO ASC G WiFi KIT Ref. No. 8885200311



For a fast and easy check of the oil and refrigerant in an A/C system

- ullet Can be used to check the state of the oil and refrigerant while the A/C system
- Detects damage early on and avoids costly repairs

Scope of delivery: Oil checker, LP service hose, HP service hose, LP service coupler, HP service coupler, sturdy case

Oil checker Easy, R134a Oil checker Easy, R1234yf Ref. No. 8885100163 Ref. No. 8885100164







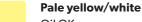
Dark red/black

Overheated oil: check the condition of the compressor, oil flush required Orange/yellow



Oil starts to overheat: check the condition of the compressor, oil flush required





Extension kit (for use on R1234yf air conditioners)

Extension kit for nitrogen pressure gauge and leak detector (8885400092)

Scope of delivery:

High side service coupler, low side service coupler, adapter, HP adapter, LP adapter, blue hose, red hose, O-ring

Nitrogen extension kit

Ref. No. 8885400165



Service quick coupler

Quality coupler, complies with SAE | 639. Suitable for leak checks.

Service quick coupler LP (WAECO AirCon Service) Service quick coupler HP (WAECO AirCon Service)

Ref. No. 8885400369 Ref. No. 8885400370



Service quick coupler

For hard-to-access service ports, suitable for Ford

Service quick coupler HP Service quick coupler LP

Ref. No. 8885400340 Ref. No. 8885400345





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Contents, specifications and availability are subject to change due to the technical improvement. We are not liable for errors and printing mistakes.





Charging and vacuum hoses

R134a R1234yf

Service hoses in various colours for all A/C technology applications

- Suitable for all standard refrigerants
- Highly flexible material allows use even in hard-to-access areas of automotive A/C systems
- Connection thread as per SAE standard

 Hose colour: red, length 3000 mm, R134a
 Ref. No. 8885100065

 Hose colour: blue, length 3000 mm, R134a
 Ref. No. 8885100064

 Hose colour: red, length 3000 mm, R1234yf
 Ref. No. 4440600175

 Hose colour: blue, length 3000 mm, R1234yf
 Ref. No. 4440600176



Spare rolls for printer

Special printer paper for ASC-series thermal printers

• Sales pack: 4 pieces

Spare rolls for printer Ref. No. 4445900515



USB stick with software update for the new ASC G-series

Software updates for the new ASC G-series by USB stick

USB stick Ref. No. 4441000174



Bottle set for ASC series

Bottle set for ASC series

• 250 ml capacity, sales pack: 2 pieces

Bottle set Ref. No. 4440600110



Service quick couplers

For fast connection of A/C service units to automotive air conditioners

- Suitable for use on all WAECO A/C service units
- High-quality special couplers for long-term use

LP with M14 x 1,5" inside threat, standard ASC	Ref. No. 8885400026
HP with M14 x 1,5" inside threat, standard ASC	Ref. No. 8885400027
LP with 3/8" SAE outside threat	Ref. No. 8885400024
HP with 3/8" SAE outside threat	Ref. No. 8885400025
LP with 1/4" SAE outside threat	Ref. No. 8885400089
HP with 1/4" SAE outside threat	Ref. No. 8885400090
LP with M14 x 1.5, female, Waeco Aircon service	Ref. No. 8885400375
HP with M14 x 1.5, female, Waeco Aircon service	Ref. No. 8885400376



Used oil container

Patented used oil container for all Low Emission units

• Specially designed for the low-emission concept

Used oil container	Ref. No. 4440600131
Lid	Ref. No. 4440600133
O-ring	Ref. No. 4443300097
Metal strip used oil bottle	Ref. No. 4442500710



Service filter

High-performance filter for ASC series

 $\bullet \quad \hbox{Special connector for easy installation}$

Drier for ASC models built before 2013 Ref. No. 4440400008

Drier for models built in 2013 or later including

 G models, ASC 1100 G, ASC 2500 G and ASC 5100 G
 Ref. No. 4440400009

 Drier for 5000 and 6000 series except ASC 5100 G
 Ref. No. 4445900221

 Drier for 7-series from 2025 onwards
 Ref. No. 4440400012



Vacuum pump oil

Vacuum pump oil

• 500 or 1000 ml; HT 32

 Vacuum pump oil, 1000 ml
 Ref. No. 8887200018

 Vacuum pump oil, 500 ml
 Ref. No. 8887200081





Hybrid flush kit

Special flush container for ASC-series service units

- Approved according to SAE J 2843/2788/2843H
- Suitable for use with the complete ASC series (except ASC 2000RPA)
- Simple, fully automatic cleaning and flushing of the service unit for application on hybrid vehicles
- For service on all hybrid vehicles

Scope of delivery: Flush container, special software, operating instructions

Hybrid flush kit for R134a application: ASC 1300 G / ASC 2300 G / ASC 2500 G / ASC 3000 G / ASC 3500 G / ASC 6400 G / ASC 6400 G LE /

ASC 6300 G / ASC 6300 G LE / ASC 6100 G / ASC 7-series

Ref. No. 8885200270

FLUSHING PERFORMANCE APPROVED BY ILK DRESDEN

Hybrid flush kit for R1234yf application: ASC 5000 / ASC 5000 G / ASC 5300 G / ASC 5300 G / ASC 5500 G RPA / ASC 6100 G / ASC 6300 G /

ASC 6300 G LE / ASC 6400 G / ASC 6400 G LE / ASC 7-series

Ref. No. 8885200259



High-voltage gloves

High-voltage-resistant safety gloves

- \bullet Comply with EN 60903 and CE 0333
- For professional and safe work on hybrid vehicles
- Supplied in light-proof safety packaging

High-voltage gloves Ref. No. 8885400173



Recovery equipment for contaminated refrigerant

Scope of delivery: seal, adapter for recycling bottle, filling hose LP, service coupler LP side, bottle fixture, insulating container

Recovery equipment Ref. No. 8885200271



HEAT BELT FOR REFRIGERANT COLLECTOR

UP TO 80% LESS RECYCLING TIME FOR A/C SERVICE

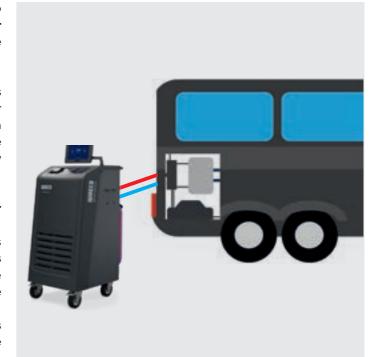
One of the key issues in bus and train workshops today is to save as much time as possible to avoid costly downtimes for their customers and cut service costs. The heat belt reduces the service time on bus and train air conditioners up to 80%.

Using conventional practice, servicing high-volume A/C systems takes several hours – about 6 to 10 hours for trains, 3 to 5 hours for buses. The main reason for this is the freezing refrigerant collector in the A/C system. Many workshops are using a fan heater to accelerate the process. Alas, without success as most of the hot air is passing by and won't reach the affected part of the tank.

The WAECO AirCon Service heat belt solution is much faster and more effective.

To prevent freezing of the refrigerant collector, a special heat belt is fitted at the lowest possible point of the collector. The heat belt is switched in line with the compressor of the A/C service unit, so the heating process starts immediately at the beginning of the refrigerant recovery.

The heat belt works in combination with our A/C service units ASC 7.4 and ASC 7.4 LE. Naturally, the highest cost savings are achieved by using it with the Low Emission unit.



OPTIONAL ACCESSORIES FOR BUS APPLICATION

Connection kit for buses

For connection of high-volume service units to bus A/C systems

• Fits all R134a applications

Connection kit for buses Ref. No. 8885400290

Heat belt

Supplied incl. 12 m supply cord with plug, 230 V, 200 W, temperature limiter 60 $^{\circ}$ C, CE approved, protection class II

Heat belt, 60 x 350 mm, for vertically mounted collectors Ref. No. 8885300260

13 cm – 18 cm in diameter

Heat belt, 75 x 480 mm, for vertically mounted collectors Ref. No. 8885300261

 $13 \, \text{cm} - 25 \, \text{cm}$ in diameter

Heat belt, 130 x 300 mm, for horizontally mounted collector Ref. No. 8885300262

13 cm – 18 cm in diameter





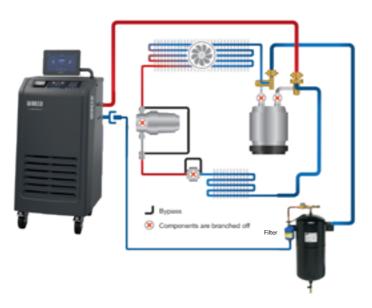


CLEAN WORKING – IT PAYS TO FLUSH!

Professional service on automotive A/C systems naturally also includes flushing the system to clear away aggressive substances and contaminants from the refrigerant circuit. Flushing protects all parts of the air conditioner from damage, especially the compressor being its core component.

You will never get a hundred per cent clean refrigerant circuit, this because of the parallel flow evaporator technology commonly used these days. We strictly recommend you to add a chip filter to the suction line when you flush the system. This will protect the compressor and is especially advisable when you've replaced the compressor, as it will keep the remaining particles away from the newly fitted unit.

Important note: The filter (Ref. No. 8880700246) should be replaced after every flushing process (for each vehicle)!



SAFE AND FAST FLUSHING

WITH THE A/C SERVICE UNIT AND THE FLUSH CONTAINER **CONNECTED TO IT**

- Spares you the time and effort required to preheat the refrigerant bottle
- No need to illegally remove the refill blocking device as would be required with other methods
- No additional equipment (e.g. two refrigerant bottles) required!
- Automatic processes controlled via the A/C service unit avoid operating errors
- Approved by renowned vehicle manufacturers

Some manufacturers offer flushing kits which work without an A/C service unit. Please consider the following facts:

- 1. Time factor: Refrigerant bottle has to be heated up to 70 °C, takes about 1.5 – 2 hours
- 2. Extra work: Collector tank must be placed in a cold water container when ambient temperatures are high
- 3. Safety factor: The refill device and the residual pressure safety device on the refrigerant bottle must be removed for this method; the bottle system has no ground point

Flushing air conditioners

Neccessary flushing equipment - Speeds up the flushing process to the required level when integrated into the flushing circuit

Scope of delivery: Pressurised container with 2-way extraction valve, universal mounting bracket for pressurised container, purifier filter, sight glass, hose to connect the container to the air conditioner and the A/C service unit connected

Universal flush container, R134a Universal flush container, R1234yf Adapter R1234yf, 3/8" SAE Spare filter (R134a + R1234yf)





A/C flush adapter kit, 17 items

For bypassing expansion valves and dryers

- For direct connection of A/C service hoses to the compressor's suction and pressure hoses
- · Made of high-quality brass-aluminium materials to withstand the rigours of workshop use
- Supplied in sturdy workshop case

Scope of delivery: Universal flush adapter kit for many Audi and VW models as well as for other makes

A/C flush adapter kit Ref. No. 8885300089 Adapter 3/8" on high-pressure side Ref. No. 8885400104 Ref. No. 8885400343 Adapter R1234yf, 3/8" SAE



A/C flush adapter kit IV, 65 items

Adapter set for bypassing air conditioning components

- Set includes a variety of adapters, e.g. for expansion valves and compressors
- · Air conditioner is flushed with refrigerants, no need to dispose cleaning agents
- · Ideal for removing oil from the system
- Flexible use with various hose connection options
- Refrigerant is recycled by the A/C service unit and can then be reused
- Causes no damage to gaskets and components

Ref. No. 8885300080 A/C flush adapter kit IV



Flush adapter set V, 143 items

For use with O-ring and taper connections

- Universal flush adapter set
- The variable connectors can be adapted, which allows the use on flange connections
- · Multiple connections possible
- Supplied in sturdy plastic case. Suitable for workshop use

Scope of delivery: Sturdy service case, brief application instructions with illustrations, 12 gaskets, fixing material, various adapters

Ref. No. 8885300104 A/C flush adapter kit V



Ref. No. 8885200088

Ref. No. 8885200272

Ref. No. 8885400343

A/C flush adapter kit, 18 items

Adapter set for bypassing air conditioning components

- Set includes a variety of adapters, e.g. for expansion valves and compressors
- · Air conditioner is flushed with refrigerants, no need to dispose of cleaning agents
- Ideal for removing oil from the system
- Flexible use with various adapter options
- Refrigerant is recycled by the A/C service unit and can then be reused
- · Causes no damage to gaskets and components

SK43, universal A/C flush adapter set Ref. No. 8885300125 Ref. No. 8885300090 Repair set of 6 gaskets



A/C flush adapter kit III, 5 items

For targeted flushing of condensers and evaporators

- For bypassing expansion valves and dryers
- Special clamps with brass connectors
- Connectors for 3/8" service hoses

SK46. A/C flush connector Ref. No. 8885300127 Ref. No. 8881500878 Repair set of 4 gaskets



Set of chip filters, 60 items

Filter catches contaminants coming from the system to protect the compressor

- Keeps a newly installed compressor free from chips
- Easy to fit; no need to cut pipes or insert fittings
- Choice of sizes to suit different A/C systems

Scope of delivery: 60 filters in 20 different sizes, SK 47 including set of tools

Ref. No. 8885300128 SK47, set of chip filters with tool Filter for Audi A3, VW Golf V and VW Touran Ref. No. 8887300038 Ref. No. 8887300019 Chip filter 22 mm Chip filter 23 mm Ref. No. 8887300020



PROTECT YOUR EQUIPMENT!



SMART FILTERS FOR REFRIGERANT AND OIL PURITY

Your A/C service unit is an important and valuable tool that you need almost every day. And it was an investment. To ensure that you can enjoy it for a long time, we advise you to protect the internal lines and components of the costly device from contamination that might occur when refrigerant is extracted from the vehicle. Sealant or contaminated refrigerant, which may form polymer, can render

individual components or even the entire A/C service unit unusable. Be smart and protect your valuable equipment! The special filters in the WAECO Guards series are the safety service for your A/C service unit. They ensure that only 'clean' refrigerant is recovered to your unit from the customer's vehicle and intervene when necessary.

WAECO PolyreactGuard S

Filters polymer from the extracted refrigerant before it enters the A/C device

- Installation between vehicle and A/C service unit
- Incl. bracket to attach the PolyreactGuard S to the bonnet in order to maximize user safety
- WAECO PolyreactGuard heats the refrigerant and filters it
- For 99.99% refrigerant purity and virtually no risk of contamination of the A/C service unit
- Maximum refrigerant charge: 1.500 grams
- The unit reliably separates sealants before they can enter and cause damage to the service unit

Scope of delivery: PolyrectGuard S, hose HP 1.8m, service coupling HP, fastening strap, operating/installation instructions

WAECO Polyreact Guard S Ref. No. 8885200324 Ref. No. 8885200333 Spare filter







Recycle Guard

Separates and removes sealants from A/C systems

- During refrigerant recovery the Recycle Guard is connected between the A/C service unit and the air conditioning system
- The unit reliably separates sealants before they can enter and cause damage to the service unit
- · The integrated filter insert can be used several times

Recycle Guard, R134a Ref. No. 8885200060 Recycle Guard, R1234yf Ref. No. 8885200275 Ref. No. 8880600008 Ref. No. 8885200061









Universal mounting bracket, fits all A/C service units



R134a R1234yf

the A/C service unit without the use of the

Universal mounting bracket

Spare filter



)NSUMABLE

A HISTORY OF REFRIGERANTS

IN THE AUTOMOTIVE INDUSTRY



R134a

has been prohibited for new type approvals since 01.01.2011 and for factory-fills of all new vehicles since 01.01.2017 (valid for vehicle categories M1 and N1) due to its high GWP (global warming potential). Unlike with R 12, using R134a for service and repairs is not prohibited. The Forming Gas Regulation EU 842/2006 defines the maximum quantities of refrigerant to be imported from non-EU countries. With the beginning of 2021 a new stage of reduction is valid.

R1234yf

has been used since 01.01.2011 for new type approvals in the automotive industry. R1234yf has a lower GWP than R 134a, but it is significantly more flammable. A conversion similar to that from R 12 to R134a is not taking place for technical reasons.

R4564

is a non-flammable mixture of R32, R134a and R1234yf with a GWP value of 626. It is under discussion to become a drop-in solution to replace R134a.

R513A

might also become a drop-in replacement for R134a. It is a mixture of R134a and R1234yf. R513A is certified as an A1 refrigerant in accordance with DIN EN 378 and is therefore classified as neither toxic nor flammable.

R744 (CO₂)

is considered to be an eco-friendly refrigerant of the future. Converting R1234yf or R134a A/C systems to R744 is not feasible for technical reasons. Another problem is the high operating pressure in the vehicle as well as in the A/C service unit. New concepts for safe use of A/C service units are required.



Due to the next stage of the F-gas regulation, there may be a shortage of R134a refrigerant in future. This is why some drop-ins are currently under discussion. We recommend that you use a refrigerant analyzer, especially when servicing vehicles of new, unknown customers (when you are not sure what others might have filled in the A/C in the past), in order to protect your equipment from possible contamination by non-permitted substitutes.

R134a, R1234yf AND R744 REFRIGERANT IN THE PROVEN REFILLABLE WAECO BOTTLE

Quality by experience: the type-tested refillable WAECO bottle for R134a refrigerant has proven itself in daily workshop use for decades. Naturally, we also offer a version for the new refrigerant

R1234yf – clearly recognisable by the signal red colour of the stand-up collar. No confusion possible!

Type-tested refillable steel bottle

Reusable system with refill safety device. Capacity: 12 kg of R134a refrigerant

- Sturdy design, good stability, stand-up collar and practical extraction valve, bottle without riser tube for extraction in gas or liquid form
- Suitable for all charging units in mobile or stationary use

Fill of WAECO refillable bottle Ref. No. 8887100007
Purchase of bottle* Ref. No. 8887100008
Bottle adapter (incl. seal) Ref. No. 8885400129





8885400129

R1234yf

Type-tested refillable steel bottle

Reusable system with refill safety device

- Sturdy design, good stability, stand-up collar and practical extraction valve, bottle without riser tube for extraction in gas or liquid form
- Suitable for all charging units in mobile or stationary use

5 kg fill	Ref. No. 8887100019
Purchase of bottle*	Ref. No. 8887100020
10 kg fill	Ref. No. 8887100050
Purchase of bottle*	Ref. No. 8887100051
Bottle adapter, for large bottle valves	Ref. No. 4440600148
Seal	Ref. No. 4440600244

^{*} Purchase price is refunded if bottle is returned within 2 years





4440600148

4440600244

R744

Type-tested refillable steel bottle

Reusable system with refill safety device. Capacity: 10 kg of R744 refrigerant

- Sturdy design, good stability, stand-up collar and practical extraction valve
- Suitable for charging units in mobile or stationary use
- Purity of R744: 4.0

 10 kg fill
 Ref. No. 8887100053

 Purchase of bottle*
 Ref. No. 8887100054

 Adapter R744 bottle to ½ male conus, with seal
 Ref. No. 4440500008





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R134a

 $^{^{\}star}$ Purchase price is refunded if bottle is returned within 2 years

^{*} Purchase price is refunded if bottle is returned within 2 years

COMPRESSOR OILS

PROFESSIONAL TIPS ON OILS

Which oil for which A/C compressor? Always make sure you use the right type! Here is a simple rule from our A/C professionals: If there is PAG oil in the system, recharge with PAG oil, if it's POE oil, fill up with POE oil. Also, it is recommendable to use the special oils of the respective compressor manufacturer, because they are perfectly

coordinated with the system.

To find out which type of oil is flowing through the cooling circuit, refer to the vehicle documents or the service sticker of the A/C system. In case of doubt always check twice and identify the right

VARIOUS OILS AND CANS

WAECO offers oils in various viscosities. We also offer the same oil in different packaging forms.



PAG oils in 3 different viscosities: ISO 46 – 100 – 150



Oils available in both 250 ml cans, humidity free 500 ml Profi bottles and 150 ml Profi bottles

HUMIDITY FREE STORAGE AND FEEDING SYSTEM FOR FRESH OIL AND UV ADDITIVE

Double-wall storage can - can-design and function

Bag-in-bottle can system

The hallmark of this can is its double-wall design, which complies with the specifications of the automotive industry in an ideal manner.

Outside: protective metal can

The sturdy, pressure-free metal can protects the laminated bag inside. Pressure compensation for shrinking contents is via a small opening on the top.

Inside: moisture-free laminated bag

The double-layer aluminium laminated bag provides optimal storage for compressor oils or UV dyes. The special charging process as well as the storage in the laminated bag guarantees moisture-free conditions.

Loss-free discharge

The storage bottle is connected to the ASC service unit (on the oil scales port) with a special adapter. This adapter releases the special extraction mechanism of the bottle. The vacuum pump generates a vacuum to discharge the laminated bag, which increasingly contracts in the process. An axially aligned spiral hose ensures complete discharging of the laminated bag.



- Special connection
- 2 Opening in the metal jacket to balance the pressure
- Laminated bag with double-layer aluminium laminate

PROFESSIONAL OIL SYSTEM FOR **HUMIDITY-FREE STORAGE**

NOW SUITING ALMOST ALL BRANDS

Special cans featuring our professional oil system have been successfully used on WAECO ASC service units for many years. The patented, vapour-tight containers are now also available to customers who do not have a WAECO A/C service unit. By using the new professional oil system with 150 ml cans as well as the matching adapters, the most commonly used third-party service units can now also be equipped with the humidity-free storage and feeding system. This is an effective method to keep moisture out of the A/C system and prevent subsequent damage and customer complaints.



VISIT US ON YOUTUBE

Adapter for professional oil system with 150 ml cans

WAECO ASC

Fits for all WAECO ASC models



4440600026 Ref. No. (Sales pack: 1)



AVL

Fits the ADS 310 (R744) models

Ecotechnics

Fits the

models

Ref. No.

8885400372 (Sales pack: 2)

Eck 3500-up, Eck 3500-

Eck 4000, Eck 4000-HFO,

Eck twin-pro, ECK 1890,

HFO, Eck 3900-up,

Eck3900-HFO,

ECK 1890-HFO

8885400356

(Sales pack: 3)



AVL

Fits the models

ADS 110. ADS 120. ADS 130. ADS 130D

8885400354 (Sales pack: 3)



Bosch/Robinair

Fits the AC1234-8, AC1234-7, AC1234-3, AC1x34-3

8885400355 (Sales nack: 3)



Bosch/Robinair

ACS 753 ACS 763 ACS 863, AC1x34-7i. AC1234-7i, models AC1234-8i

8885400357 Ref. No. (Sales pack: 3)



Universal adapter

Fits the models

Fits to all Aircon service units with plastic storage system, 250 ml. Tara weight 130 g

Ref. No. (Sales pack: 3)



Texa

Fits the 712R/707R/705R/705R models

8885400364 Ref. No (Sales pack: 3)



Texa

Fits the 760R, 760R Bus, 770S, models

8885400353 Ref. No. (Sales pack: 3)

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PROFESSIONAL OIL SYSTEM FOR A/C SERVICE UNITS



				R13	34a				
		1 10							
OILTYPE	PAG	PAG	PAG	PAG	PAG	POE	PAO	PAG	PAG
Aftermarket oil	-	-	•	•	•	•	•	-	•
Original oil	•	•	-	-	-	-	-	•	-
Ref. No.	8887200059	8887200021	8887200013	8887200014	8887200019	8887200028	8887200017	8887200001	8887200002
Viscosity	ISO 46	ISO 46	ISO 46	ISO 100	ISO 150	55	ISO 68	ISO 46	ISO 100
Filling volume	500 ml	500 ml	500 ml	500 ml	500 ml	500 ml	500 ml	250 ml	250 ml
Packaging	Profi Oil Can	Profi Oil Can	Profi Oil Can	Profi Oil Can	Profi Oil Can	Profi Oil Can	Profi Oil Can	Can	Can
Description	WAECO DHO PS	Denso ND8	WAECO PAG ISO 46	WAECO PAG ISO 100	WAECO PAG ISO 150	SE55	WAECO PAO ISO 68	WAECO PAG ISO 46	WAECO PAG ISO 100
Hybrid / electric vehicles	-	-	-	-	-	-	-	-	-

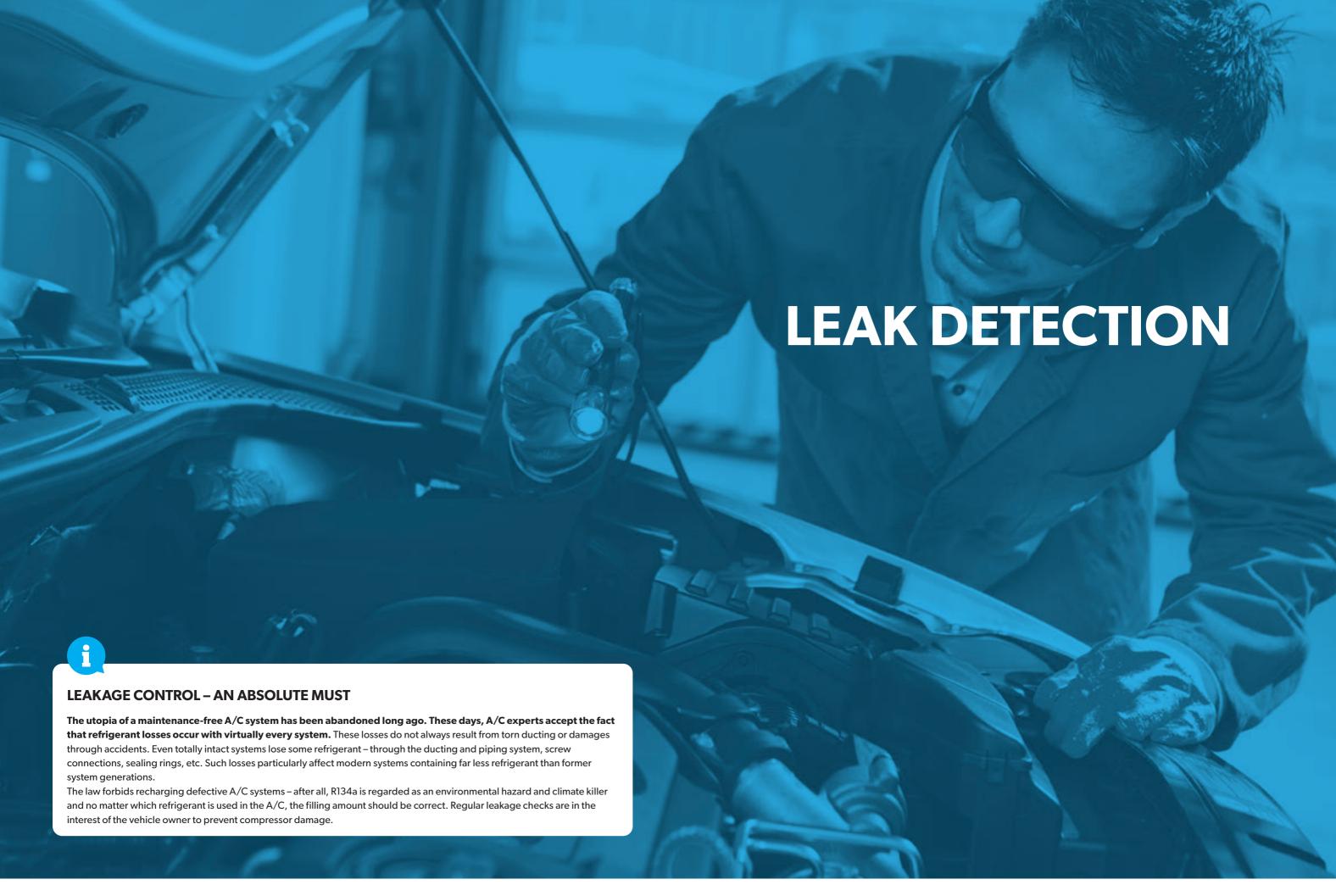
			R134a			
					0	
PAG	PAG	POE	POE	POE	POE	PAO
•	•	-	-	-	•	•
-	-	•	•	•	-	-
8887200008	8887200067	8887200075	8887200072	8887200073	8887200029	8887200009
ISO 150	ISO 46	ISO 68	84	84	55	ISO 68
250 ml	150 ml	150 ml	150 ml	150 ml	1000 ml	1000 ml
Can	Profi Oil Can	Profi Oil Can	Profi Oil Can	Profi Oil Can	Can	Canister
WAECO PAG ISO 150	WAECO DHO PS	RB68	RB100EV	Denso ND11	SE55	WAECO PAO ISO 68
-	-	•	•	•	_	_

					R1234yf				
		(h) (1) (h)	\$ 1.0	(a)					
OILTYPE	PAG	PAG	PAG	PAG	PAG	PAG	PAG	PAG	POE
Aftermarket oil	-	-	-	-	•	-	•	-	-
Original oil	•	•	•	•	-	•	-	•	•
Ref. No.	8887200063	8887200079	8887200039	8887200046	8887200041	8887200076	8887200042	8887200069	8887200075
Viscosity	ISO 46	ISO 46	ISO 46	ISO 100	ISO 46	ISO 46	ISO 46	ISO 46	ISO 68
Filling volume	500 ml	500 ml	500 ml	500 ml	500 ml	250 ml	250 ml	150 ml	150 ml
Packaging	Profi Oil Can	Profi Oil Can	Profi Oil Can	Profi Oil Can	Profi Oil Can	Can	Can	Profi Oil Can	Profi Oil Can
Description	WAECO DHO R1234yf	Denso ND12	Sanden SPA2	Valeo VC200yf	WAECO PAG ISO 46yf	Denso ND12	WAECO PAG ISO 46yf	WAECO DHO R1234yf	RB68
Hybrid / electric vehicles	•	•	•	•	•	•	•	•	•

R1234yf					
		1 100 mg			
POE	POE	PVE	PVE		
-	-	-	-		
•	•	•	•		
8887200072	8887200073	8887200082	8887200083		
84	84	56	56		
150 ml	150 ml	150 ml	250 ml		
Profi Oil Can	Profi Oil Can	Profi Oil Can	Can		
RB100EV	Denso ND11	FVC56EA	FVC56EA		
•	•	•	•		

R744	
PAG	
-	
•	
8887200078	
ISO 68	
150 ml	
Profi Oil Can	
ACC HV	
•	





UV LEAK DETECTION – ALWAYS WITH THE MATCHING UV ADDITIVE!

A PAG and PAO mixture do not form a consistent oil film. As PAG is heavier, it settles below the PAOs. A phase separation is clearly visible in static condition. During the start-up operation of the A/C system inconsistencies in the mixture can occur and cause damage to the compressor.

Given the clear phase separation of the two oils, there can be no such thing as a universal UV additive. The UV-additive is contained in a carrier oil. If the different oils do not mix, the UV additive will not mix 100% with the two oils either. The consequence is that it "sags through". If the oil and the UV additive are a perfect match, the UV additive will form a stable and uniform blend with the compressor oil. Conclusion: Always mix the right oil with the right UV additive.



SMALL STICK OR BIG CAN – CHOOSE YOUR STYLE!

UV dyes are usually added to the A/C circuit during the A/C service process via the A/C service unit. We recommend our moisture-free professional oil system for this purpose. The special system looks like a can, but is much more: the content is safely protected from moisture in a laminate bag inside the can. And a special connection ensures that practically no moisture can penetrate, even when connecting and disconnecting. We call this the professional oil system. Available

for WAECO ASC but also for appliances from other manufacturers (smaller can with respective adapter). WAECO UV dyes are also available as classic cans and some even as portion sticks for use without an A/C service unit. So you can always find the right one for your appliance and your application!







500 ml and 150 ml humidity free Profi bottles

Pens /sticks for single use

LED violet light UV leak detection lamp OPTI-PRO™ UV

- The OPTI-PRO™ UV comes complete with a powerful violet light LED and adjustable focus lens to identify leaks with ease
- Comes complete with 3 AAA batteries and fluorescence-enhancing glasses

Scope of delivery: UV lamp, glasses and batteries

UV leak detection lamp

Ref. No. 8885300269

LED violet light UV leak detection lamp OPTI-PRO™ UV

- Powerful, effective and full of new features, catch leaks with ease using our new OPTI-PRO™ UV Plus leak detection light
- Complete with an adjustable focus lens, high/low lighting, strobe light and fluorescence-enhancing glasses. Leaks will glow brightly when paired with one of our Tracer dyes

Scope of delivery: UV lamp, Smart charger with AC plug, fluorescence-enhancing glasses and lanyard

UV leak detection lamp Ref. No. 8885300270

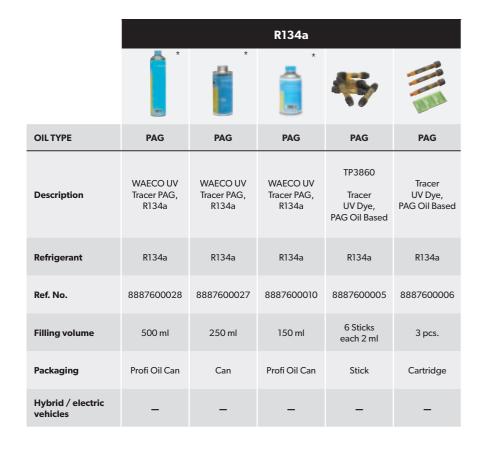


Safety gloves / Standard full-view goggles / UV glasses

Ref. No. 8885400065 Safety gloves for working with refrigerants and UV dyes Standard full-view goggles for working with refrigerants Ref. No. 8885400066 Ref. No. 8885400366 UV glasses for leak detection



TRACER UV DYES



R1234yf				
*				
PAG (SP-A2)	PAG (SP-A2)	PAG (SP-A2)		
WAECO UV Tracer PAG / SP-A2, R1234yf	WAECO UV Tracer PAG / SP-A2, R1234yf	UV Tracer		
R1234yf	R1234yf	R1234yf		
8887600030	8887600029	8887600012		
500 ml	250 ml	150 ml		
Profi Oil Can	Can	Profi Oil Can		
•	•	•		

R134a/R1234yf			
	NA PART		
POE/ RB100EV	POE		
WAECO UV Tracer POE / RB100EV	Tracer UV Dye, POE Based		
R134a R1234yf	R134a R1234yf		
8887600031	8887600004		
150 ml	3 Cartridges each 1 ml		
Profi Oil Can	Cartridge		
•	•		

R744	
PAG (ACC HV)	
TRACER UV Dye, PAG Oil Based	
R744	
8887600009	
150 ml	
Profi Oil Can	
•	

Cooling water	Oil & fuel
100	100
-	-
WAECO UV Tracer for Cooling Water	WAECO UV Tracer for Oil and Fuel
-	-
8887600025	8887600024
6 pcs.	6 pcs.
Syringe	Syringe
-	-
	*C: :1 · .

*Similar pictures

Hand pump for EZ-Ject™ cartridges

For adding leak detection additives to the suction side of charged R134a air conditioners

- Accurate dosing via spindle adjustment
- Integrated non-return valve protects against over-pressure

Scope of delivery: Low-pressure service hose with quick coupler for R134a A/C systems, 1 cartridge of UV dye, vent adapter, hand spindle, service sticker

Hand pump Spare spindle Ref. No. 8885300266 Ref. No. 9103500683



TRACER for hybrid and electric application

UV dye injection kit for hybrid vehicles

- Insulation resistance of the compressor oil won't drop
- Light-proof storage of the POE special oils in aluminium laminated bags
- POE oil based

Scope of delivery: 3 sticks, hose, coupler, valve, charging adapter

UV additive injection kit Spare cartridge, sales pack: 3 pcs. Adapter for using with R1234yf Ref. No. 8885300267 Ref. No. 8887600004 Ref. No. 9103558471



Oil injector

- $\bullet \quad \hbox{Injector for manual injection of oils and/or UV dyes}$
- Easy-to-use, sturdy design, ideal for workshop use
- With ml and oz scales for oil and an extra scale for additive
- Supplied with hose and couplers (R134a and R1234yf) for use with different refrigerants and oils
- Sight glass with crash protection device for enhanced safety
- Ideal for hybrid applications, where cross-contamination of oils is not allowed (SAE J 2843H)

Oil injector Ref. No. 8885300132



Professional oil extract-injector

Injector for manual injection of oils and/or UV dyes

- Robust oil-UV injector R134a and R1234yf
- Delivered in suitcase
- 60 ml content

Professional oil injector Ref. No. 8885300272
Professional oil injector set (oil injector, adapter, adapter oil/UV bottle) Ref. No. 8885300273



NITROGEN LEAK DETECTION

This method involves the production of positive pressure through nitrogen or negative pressure through vacuum by the A/C service unit. Leak detection through differential pressure is mainly suitable for the initial testing of strongly leaking or even empty systems. It refrigerant. The requirements of the Chemicals Climate Protection only indicates that the system is leaking - not where the leak is. Testing is only possible with A/C service units that automatically stop

when it is impossible to generate vacuum (e.g. all WAECO ASC service units). If the process continues without fault warning, you can be certain that the system has no leak and may be charged with Ordinance are met.

Forming gas pressure reducer 90 bar

For R744 application

- Input Female 21.8x 1 ¼"LH
- Output 1/4 SAE Male
- Exclusive hose
- Max Pressure 87-89 BAR (pre adjusted)

Forming gas pressure reducer 90 BAR

Ref. No. 8885400382

NEW!



R744

Nitrogen / forming gas pressure reducer

For controlled and safe admission of nitrogen to A/C systems (pressure test)

• Adjustment range from 0 to 20 bar, ideal for air conditioner inspections (§ 5 of the German Chemicals Climate Protection Ordinance)

Hose set for safe connection to vehicle A/C system

Scope of delivery hose set: service quick coupler, 1.8 m service hose for low-pressure side, 1/4" SAE x 1/2" ACME adapter

Nitrogen pressure reducer Ref. No. 8885400135 Ref. No. 8885400172 Forming gas pressure reducer Hose set for nitrogen and forming gas pressure reducer Ref. No. 8885400136



8885400172

Nitrogen pressure reducer

For controlled and safe admission of nitrogen to A/C systems (pressure test)

- Adjustment range from 0 to 35 bar, so also suitable for flushing
- High quality design

Scope of delivery: Pressure reducer, service quick coupler, 1.8 m service hose for low-pressure side, 1/4" SAE x 1/2" ACME adapter

Pressure reducer

Ref. No. 8885400058



Nitrogen pressure reducer

For inspections of air-conditioning evaporators and complete air-conditioning systems for R134 a and R1234yf in installed condition

- · Adjustment range from 0 to 35 bar, so also suitable for flushing
- High quality design

Scope of delivery: 1 x Connection block with Manometer, 2 x Charging hoses R134a Red 3000 mm, 2 x Charging hoses R134a Blue 3000 mm, 1 x Service quick coupler, Red for R 134a, 1 x Service quick coupler, Blue for R 134a, 2 x Charging hoses R1234yf Red 3000 mm, 2 x Charging hoses R1234yf Blue 3000 mm, 1 x Service quick coupler, Red for R1234yf, 1 x Service quick coupler, Blue for R 1234yf, 1 x Charging hoses Yellow 1000 mm with shut-off valve to the pressure reducer

Pressure tester with bottle trolly Ref. No. 8885400367 Pressure tester without bottle trolly Ref. No. 8885400368



R134a

Nitrogen pressure gauge and leak detector

For inspections on A/C evaporators and complete A/C systems in installed condition

- Manometer block with vent valve and safety valves, 36 bar opening pressure
- $\bullet \quad \text{Nitrogen pressure reducer, adjustable from 0 to 35 bar}$
- Test manometer 0 to 40 bar, calibration: 1 bar, class 1.0

Scope of delivery: pressure reducer, service quick coupler, 1.8 m service hose for low side, 1/4" SAE x 1/2" ACME adapter, cylinder trolley with manometer block

Pressure gauge and leak detector Ref. No. 8885400092 Ref. No. 8885400124 Extension kit HP for R134a Ref. No. 8885400165 Extension kit for R1234yf



Cylinder trolley

For safe transport and storage of 10-litre cylinders

- Handy and sturdy cylinder trolley
- With hose suspension
- Integrated storage box for accessories

Cylinder trolley Ref. No. 8885400057



ELECTRONIC LEAK DETECTION

Electronic leak detectors are versatile and can be used on a variety of vehicles, including cars, trucks, and even hybrid or electric vehicles with specialized A/C systems. This makes them a useful tool. The investment in electronic leak detection equipment saves money in

the long run by reducing labor time. It is non-invasive, meaning it doesn't require the removal or disassembly of parts to inspect for leaks.

WAECO Leak Detector 3000

R744 R134a R1234yf

Take automotive leak detection to the next level

- Effective multi gas leak detector: identifies all FC- and CFC-based refrigerants and blends (e.g. R134a, R1234yf, R456A, R513A or R744)
- Can be programmed to work in heavily contaminated environments (e.g. an engine compartment)
- Complies with all relevant international standards, including SAE J2913 for R1234yf, SAE J2791 for R134a and EN14624:2020.
- Detects also HC chemicals like LPG, Propan or Butan

WAECO Leak Detector 3000 Ref. No. 8885100191

Note: Sensor not included in the scope of delivery!

Please make sure to order the specific sensor for your application.

R744 sensor Ref. No. 8885100192 R134a+R1234yf sensor Ref. No. 8885100193 **HC** sensor Ref. No. 8885100194 Extra long probe Ref. No. 8885100195



R134a R1234yf

WAECO Leak Detector Multi-gas

Reliable leak detection suitable for forming gas

- Detects H₂/N₂ (5/95) forming gas, Ammonia, HCFCs, HFCs, A2L refrigerants
- Digital leak size display (numeric)
- 3 sensitivity levels, flashing probe LED and audio mute mode
- Simple operation that allows for easy, repeatable gas detection
- Field replaceable sensor, filter and batteries

Scope of delivery: Multi-gas leak detector, spare filters, carrying case

Muti-gas leak detector Ref. No. 8885100202

Batteries (4 x AA) not included





WAECO Leak Detector

Senses refrigerant concentrations in the ambient air

- Responds to R134a/R1234yf/R513A refrigerant only, therefore no interference by other gases (plastic emissions) or air movement
- · Measuring head on flexible neck to reach hard-to-access places. Sensitivity: up to 5 g/year
- Complies with SAE J 1637 and EN 14624 2020

Ref. No. 8885100174 Electronic leak detector for R134a, R1234yf, HCFCs, HFCs Ref. No. 9103500684 Ref. No. 9103500685 Filter, sales pack: 20 pcs.

Batteries (2 x D) not included



Reference leak (R1234yf, R134a, R513A)

For checking the functioning and sensitivity of electronic leak detectors

• Suitable for all electronic refrigerant leak detectors sensitive to fluorinated hydrocarbons. Approved for use with leak detectors that respond to both R134a and R1234yf

Ref. No. 8885100095 Reference leak



Leak detection spray

Leak detection by formation of foam on leaky spots in the refrigerant circuit

• Suitable for fast detection of larger leaks (e.g. on threaded joints or press fits), easy to use

Leak detection spray, 500 ml Ref. No. 8887300018





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FRESH CLIMATE

AIRCON CLEANER ON PROBIOTIC BASIS

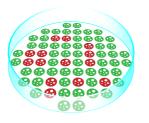
Probiotic cleaners such as AirCon Ready Refresh work with probiotic

The result: The probiotic microorganisms gain the upper hand in microorganisms. They create a healthy microflora that represses the A/C system and bad odours stand no chance. pathogen (disease-causing) microorganisms. The undesired organisms are not immediately killed, but prevented from multiplying. Once the probiotic cleaner has been used several times the pathogen germs die of old age, so to speak.



Prior to application

Excess of harmful germs (red) in the A/C system cause unpleasant odours



After application:

Excess of healthy microorganisms (green) - clean air in the vehicle

Aircon Ready Refresh

Aircon cleaner on a probiotic basis

- Extremely easy application
- Handy spray can no other equipment required
- Represses pathogen (disease-causing) germs
- · Removes the course of bad odours from the A/C system

Aircon Ready Refresh, box with twelve cans



Ref. No. 8887400018





VISIT US ON YOUTUBE



AIRCON READY REFRESH SIMPLE AND CLEAN USAGE

You don't need any special knowledge or expensive equipment for the application of AirCon Ready Refresh. The handy spray cans are simply placed on the floor on the passenger's side. Please note our instructions so you know exactly what to do:

- Remove vehicle's interior filter
- Open the air vent
- Set fan to circulating air
- Push passenger seat back
- Turn ignition on so that the fan starts
- Close the window and door on the driver's side
- Shake AirCon Ready Refresh can
- Activate and eject cleaner by pressing the spray head down hard
- Wait for the complete contents of the can to be ejected (about 5 min.)
- Refit the vehicle's interior filter



Refresh-o-mat heavy-duty ultrasonic atomiser

For professional use in workshops: Ultrasonic technology eliminates bacteria and smells

- Robust stainless steel housing
- Integrated power transformer
- Atomises up to 400 ml of cleaner fluid (also suitable for large vehicles such as buses)

Specifications:

230 volts AC/50 Hz Power supply: approx. 383 l/h Atomiser capacity:

 $150 \times 280 \times 400$ mm (incl. outlet tube) Dimensions (WxHxD):

Optional extra: Adapter kit for treatment of air ducts

Refresh-o-mat HD Ref. No. 8885300096 Ref. No. 8885300097 Hose set

Air conditioner cleaner, 1 litre capacity, sufficient for

approx. 10 applications Ref. No. 8887400008









Ozone generators

Effectively eliminates unpleasant odours through oxidation with ozone

- Suitable for odour decontamination in vehicles and other interiors
- Effectively eliminates intensive odours (e.g. nicotine, mould and animal smell, lactic acid, vomit, diesel or fuel oil)
- · Compact unit in a sturdy stainless steel housing
- Supplied with a flexible tube for blowing the ozone into the air duct

Heavy-Duty ozone generator

Specifications: Power supply 230 volts AC, Output approx. 1000 mg/h Scope of delivery: Heavy-duty ozone generator, 230 volt connection cable, blow-off tube

Heavy-duty ozone generator Ref. No. 8885300140

Ozone generator

Power supply 12 volts DC, Output approx. 500 mg/h

Scope of delivery: Ozone generator, 12-volt cigarette lighter plug, adapter plug,

blow-off tube

Ref. No. 8885300105 Ozone generator







INDISPENSABLE TOOLS

THE SPECIALISTS FOR PERFECT WORKMANSHIP

Service quick couplers (see page 64)

Space is often in short supply in today's engine compartments. Therefore, automotive manufacturers are also using concealed areas to accommodate air conditioner components. On some models (e.g. 5-Series BMW, Ford, Volvo, Mercedes-Benz SLK) the high-pressure-side service port is mounted near the bonnet lock bracket, inaccessible with a standard A/C service coupler. WAECO AirCon Service has developed a matching service tool for easy access to the port.

Spring lock repair set (see page 65)

Factory-fitted automotive air conditioners, especially those made by Ford, Volkswagen and Opel, come with spring lock couplers for

quick fitting of refrigerant lines. To release these couplers you will need special tools, which WAECO supply.

Workshop kits (page 70 ff.)

Repair work on automotive air conditioning systems often involves the replacement of small parts, such as valve cores and O-rings. To have everything ready at hand, you need a well organised storage system with parts for specific vehicles. WAECO workshop kits include all essential parts, clearly arranged and handily organised in metal cases. The spectrum ranges from plugs to prevent moisture and contaminants from entering an open A/C system to O-ring sets for factory-fitted and retrofit A/C systems.

Miniature identifier

The identifier helps you to check the quality and presence of R134a or R1234yf in vehicle A/C systems and storage bottles

- · Handy unit for simple and fast application; automatically guides the user is step by step through the application
- · Shows the test result within a short period of time
- Protects your valuable A/C service unit from damage by contaminated refrigerants
- Designed for mobile use with batteries, independent of the mains
- Checks the refrigerant for illegal mixtures (imports)
- · Detects non-condensable gases in the refrigerant
- Impact-resistant casing, for workshop use

Miniature identifier, R134a Miniature identifier, R1234yf Ref. No. 8885100135 Ref. No. 8885100165



LCD digital thermometer

For the exact measurement of air temperatures

- Extra-large, easy-to-read digital display
- Long probe (213 mm), excellent measuring accuracy

LCD digital thermometer

Ref. No. 8885100072



Digital pocket thermometer

For reception testing of automotive A/C systems

- Extremely compact design allows measuring of air outlet temperature directly at the centre air vents
- Easy-to-read display

Digital pocket thermometer

Ref. No. 8885100059

Ref. No. 8885100062



Infrared laser thermometer

Contact-free temperature measurements for automotive uses

- Ideal for measuring the air outlet temperature at the air vents
- Quick temperature checks on condenser surface or heat exchanger
- Integrated laser pointer for precise positioning of the measuring beam exact measurements even over longish distances

Infrared laser thermometer



R134a R513A



Pressure meter R134a (low pressure side)

Pressure meter for measuring the pressure in the A/C system

- Ideal for quick check at service reception
- High-quality, impact protected housing
- Easy-grip coating for optimum handling in the workshop

Pressure meter Ref. No. 8885100096



R1234yf

Pressure meter R1234yf (low pressure side)

Pressure meter for measuring the pressure in the A/C system

- Ideal for quick check at service reception
- · High-quality, impact protected housing
- · Easy-grip coating for optimum handling in the workshop

Ref. No. 8885100146 Pressure meter



Service quick coupler HP

For **hard-to-access** service ports

• Suitable for BMW E60 and others; Volvo S80, S60 and younger models; Mercedes M-Class; all Chrysler (USA) models and all Asian vehicles

Service quick coupler HP Ref. No. 8885400227



Service quick coupler LP

For **hard-to-access** service ports

• Suitable for Jaguar XJ (new) and all Asian vehicles

Service quick coupler LP Ref. No. 8885400228



R134a

Service quick coupler HP

For **hard-to-access** service ports

• For Ford, Volvo and other vehicles

Ref. No. 8885400340 Service quick coupler HP



Service quick coupler LP

For **hard-to-access** service ports

Ref. No. 8885400345 Service quick coupler LP



Service quick coupler HP to LP

Custom-made service quick coupler for various Renault vehicles, e.g. Laguna

• Adapter HP to LP

Service quick coupler HP to LP Ref. No. 8885400098



Solenoid valve opener, 17 – 20 mm

Tool for opening solenoid valves. For use on buses.

- Opens locked refrigerant circuits
- Can be used for 17 20 mm solenoid valve coils





R134a

Solenoid valve opener Ref. No. 8885300259

Spring lock repair and disconnect set, 8 items

For service work on spring lock connections

- Spring lock connections can be released or repaired to ensure durable leak protection
- Suitable for Audi, VW, Citroën, Chrysler, Ford, Hyundai, Peugeot, PSA, Renault, Opel, GM, Vauxhall, Seat and Skoda cars

Disconnect tool set for releasing spring lock connections. Can also be supplied separately. Not suitable for GM, Opel and Vauxhall cars.



SK44, spring lock disconnect set Disconnect set

Ref. No. 8885300126 Ref. No. 8885300044



USB stick with software update for the new **ASC G-series**

Software updates for the new ASC G-series by USB stick

USB stick Ref. No. 4441000174



Valve fitting tools

Fitting tool for Schrader valves used in R134a A/C systems, e.g. on Ford or Japanese vehicles

• For high and low pressure side; connection diameters: 6.3 and 4.5 mm







R134a

Charging hoses and vacuum hoses for ASC series 5000 and 6000

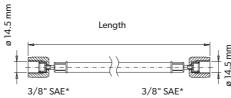
Service hoses in various colours for all applications in A/C fitting and service

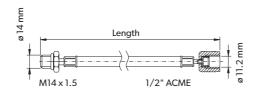
- Suitable for all commonly available refrigerants
- Highly flexible material allows use even in hard-to-access areas of automotive A/C systems
- Connection thread as per SAE standard

Red hose, 1800 mm	Ref. No. 8885100005
Blue hose, 1800 mm	Ref. No. 8885100006
Yellow hose, 1800 mm	Ref. No. 8885100007
Spare seal (neopren, black)	Ref. No. 8885400022
Spare seal (PTFE, white)	Ref. No. 8885400023
Red hose, 1800 mm	Ref. No. 8885100008
Red hose, 5000 mm	Ref. No. 8885100024
Blue hose, 1800 mm	Ref. No. 8885100009
Blue hose, 5000 mm	Ref. No. 8885100023
Yellow hose, 1800 mm	Ref. No. 8885100010
Spare seal, sales pack: 10 pcs. (neopren, black)	Ref. No. 8881500037
Red hose, 1800 mm	Ref. No. 8885100011
Red hose, 3000 mm, standard ASC	Ref. No. 8885100065
Red hose, 5000 mm	Ref. No. 8885100026
Red hose, 8000 mm	Ref. No. 8885100028
Blue hose, 1800 mm	Ref. No. 8885100012
Blue hose, 3000 mm, standard ASC	Ref. No. 8885100064
Blue hose, 5000 mm	Ref. No. 8885100025









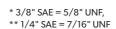
For connection to A/C service units RHS-910, RHS-950 and RHS-1050, the adapter 8885400038 is required.

Charging hoses and vacuum hoses

Blue hose, 8000 mm

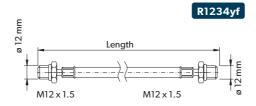
Spare seal

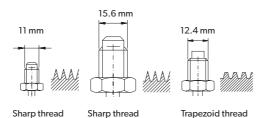
Red hose, 3000 mm	Ref. No. 4440600175
Blue hose, 3000 mm	Ref. No. 4440600176
Red hose, 5000 mm	Ref. No. 8885100154
Blue hose, 5000 mm	Ref. No. 8885100153
Red hose, 8000 mm	Ref. No. 8885100172
Blue hose, 8000 mm	Ref. No. 8885100173



Ref. No. 8885100027

Ref. No. 8881500034





1/2" ACME

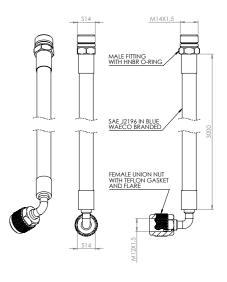
3/8" SAE*

Charging hoses and vacuum hoses for ASC 7-series

LP: Blue hose, HP: red hose

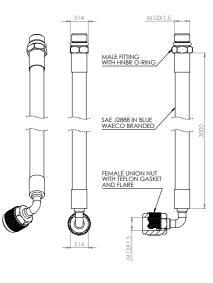
Hoses for R134a

LP Hose ASC S7k, 3 m	Ref. No. 8885100179
HP Hose ASC S7k, 3 m	Ref. No. 8885100180
LP Hose ASC S7k, 5 m	Ref. No. 8885100181
HP Hose ASC S7k, 5 m	Ref. No. 8885100182
LP Hose ASC S7k, 8 m	Ref. No. 8885100183
HP Hose ASC S7k, 8 m	Ref. No. 8885100184



Hoses for R1234yf

LP Hose ASC S7k 3 m	Ref. No. 888510018
HP Hose ASC S7k 3 m	Ref. No. 8885100186
LP Hose ASC S7k 5 m	Ref. No. 8885100187
HP Hose ASC S7k 5 m	Ref. No. 8885100188
LP Hose ASC S7k 8 m	Ref. No. 8885100189
HP Hose ASC S7k 8 m	Ref. No. 8885100190



1/4" SAE**

Adapters and couplers

Ref. No.	Description	
8885400129	Connection adapter for reusable refrigerant bottle with seal	
4440600244	Seal for connection adapter 8885400129	
8885400024 8885400025 8885400089 8885400090	Service quick coupler, low pressure, for R134a with 3/8" SAE outside thread Service quick coupler, high pressure, for R134a with 3/8" SAE outside thread Service quick coupler, low pressure, for R134a with 1/4" SAE outside thread Service quick coupler, high pressure, for R134a with 1/4" SAE outside thread	
8885400026 8885400027	Service quick coupler, low pressure, for R134a with M14 x 1.5 inside thread Service quick coupler, high pressure, for R134a with M14 x 1.5 inside thread	2
8885400373 8885400374	Service quick coupler LP, R744 Service quick coupler HP, R744	
8885400375 8885400376	Service quick coupler, LP with M14x1.5 female (WAECO Aircon Service) Service quick coupler, HP with M14x1.5 female (WAECO Aircon Service)	
8885400369 8885400370	Service quick coupler LP for R1234yf (WAECO AirCon Service) Service quick coupler HP for R1234yf (WAECO AirCon Service)	
8881500090 8881500088	Service port low pressure, R134a, with outside thread, for Mercedes-Benz, Porsche, BMW, MAN, Opel Service port low pressure, R134a, with inside thread, for VW, Audi, Ford, Chrysler	
8881500087 8881500089	Service port, high pressure, R134a, with outside thread, for Mercedes-Benz, Porsche, BMW, MAN, Opel Service port, high pressure, R134a, with outside thread, for VW, Audi, Ford, Chrysler	CA CAP
8881500007 8881500006	Sealing cap for service port, R134a, low pressure Sealing cap for service port, R134a, high pressure	
8881500887 8881500888	Sealing cap for service port, R134a, high pressure, for Japanese A/C systems Sealing cap for service port, R134a, low pressure, for Japanese A/C systems	

Ref. No.	Description	
8885400033 8885400082	Connection adapter with 1/4" SAE inside thread and connection for R134a service quick coupler, low-pressure side Connection adapter with 1/4" SAE inside thread for high-pressure side	
8881500013 8881500014	90° retrofit adapter for the high-pressure side with 1/4" inside thread 90° retrofit adapter for the high-pressure side with 3/16" inside thread	
8881500015	90° retrofit adapter for the low-pressure side with 1/4" inside thread	Land Service S
8885400036	Retrofit adapter, straight, comprising one high-pressure and one low-pressure adapter, each with $1/4$ " inside thread	
8885400038	Adapter 1/4" SAE inside thread x 1/2" ACME outside thread	
8885400050	Adapter 1/4" SAE inside thread \times 3/8" SAE outside thread	0
8885400051	Adapter 3/8" SAE inside thread \times 1/4" SAE outside thread	0
8885400034 8885400035	Adapter 1/4" x low-pressure side, R134a Adapter 1/4" x high-pressure side, R134a	
4440600148 4440600244	Adapter for R1234yf refrigerant bottles, for large bottle valves -> HP Seal for connection adapter 4440600148	
8885400238	Adapter for R1234yf refrigerant bottles, $\frac{1}{2}$ " ACME left -> HP	The state of the s
8885400365	Adapter M12-1.5 x 1/4" SAE	(A)
8885400081	Adapter M14-1.5 x 1/4" SAE	

Filter catches contaminants coming from the system to protect the compressor

- Keeps the compressor free from chips, recommended e.g. when a new one was fitted
- Easy to fit; no need to cut pipes or insert fittings

Set of chip filters, 60 items

- Choice of sizes to suit different A/C systems
- Scope of delivery: 60 filters in 20 different sizes, SK47 including tool

Original replacement O-rings, 500 items

Ref. No. 8885300128 SK47, with tools Filter for Audi A3, VW Golf V and VW Touran Ref. No. 8887300038 Chip filter 22 mm, set of 3 items Ref. No. 8887300019 Ref. No. 8887300020 Chip filter 23 mm, set of 3 items



R134a R1234yf

R134a

For all common types of cars

To save you from time-consuming procurement processes, we have put together a professional set of O-rings to replace virtually all O-ring connections on original A/C systems of the following makes: Alfa-Romeo, Audi, BMW, Citroën, Fiat, Ford, Honda, Hyundai, Jaguar, Mazda, Mercedes-Benz, Mitsubishi, Nissan, Opel, Peugeot, Porsche, Renault, Rover, Saab, Subaru, Suzuki, Toyota, Volkswagen, Volvo

SK31, set of O-rings for cars, R134a + R1234yf

Ref. No. 8885300264



Original replacement O-rings, 330 items

For all common types of trucks and vans

(330 items)

SK32, set of O-rings for trucks

Ref. No. 8885300119



Set of valve cores, 70 items

Set of valve cores – avoids time-consuming search and procurement

Scope of delivery: 10x Valve cores R134a, 10x Valve cores R134a for Japanese make A/C systems, 10xValve cores R134a for Ford/Opel, 5x Sealing caps for service port R134a high pressure, 5x Sealing caps for service port R134a low pressure, 5x Sealing caps for service port R134a high pressure for Japanese make A/C systems, 5x Sealing caps for service port R134a low pressure for Japanese make A/C systems, 5x Service ports high pressure R134a with outside thread or Mercedes-Benz/Porsche BMW/MAN/Opel, 5x Service ports low pressure R134a with inside thread for VW/Audi/Ford/ Chrysler, 5x Service ports high pressure R134a with inside thread for VW/Audi/Ford/Chrysler, 5x Service ports low pressure R134a with outside thread for Mercedes-Benz/Porsche/BMW/MAN/Opel

Ref. No. 8885300116 SK25, set of valve cores



Set of valve cores, 265 items

Set of valve cores – avoids time-consuming search and procurement

- Professional set with valves, dust caps and cores
- For nearly all car brands in the market
- Tool included

Set of valve cores Ref. No. 8885300268



O-rings for R134a refrigerant on retrofit A/C systems, 200 items

This workshop kit contains all the O-rings needed for servicing work on retrofitted A/C systems

Scope of	de	livery:	
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Scope of delivery.	
10 Valves R134a	Ref. No. 8881500001
5 R134a charging valves for Japanese make units	Ref. No. 8881500002
30 O-rings 6 R134a	Ref. No. 8881500008
30 O-rings 8 R134a	Ref. No. 8881500009
30 O-rings 10 R134a	Ref. No. 8881500010
30 O-rings 12 R134a	Ref. No. 8881500011
10 O-rings 6-6/16"	Ref. No. 8881500012
2 O-rings for compressor	Ref. No. 8881500020
10 O-rings for compressor	Ref. No. 8881500130
3 Seals for charging hose 1/4"	Ref. No. 8885400023
10 O-ring pressure switches, outside thread	Ref. No. 8881500055
10 O-ring pressure switches, inside thread	Ref. No. 8881500033
3 Seals R134a for service hose	Ref. No. 8881500034
10 Seals OR	Ref. No. 8881500036
10 Seals for charging hose	Ref. No. 8885400037
5 O-rings for charging hose R134a	Ref. No. 8881500041

Ref. No. 8885300114 SK06, set of O-rings



Original replacement special O-rings for various French make car A/C systems, 44 items

12 different designs / dimensions. The ideal supplement to the SK 31 basic set.

SK39, set of special O-rings

Ref. No. 8885300109



Original replacement special O-rings for various German make car A/C systems, 84 items

7 different designs / dimensions. The ideal supplement to the SK 31 basic set.

SK40, set of special O-rings

Ref. No. 8885300110



Universal oil for the coating of O-rings in vehicle A/C systems

For all common types of trucks and vans

- Small and compact can (100 ml) with brush in the cap
- New O-rings need to be coated with oil so that they achieve a good sealing effect when sliding. The threads must also be coated
- Compatible with nearly all lubricants and suitable for all kinds of refrigerants
- Does not absorb moisture (non-hygroscopic)

Universal oil for the coating of O-rings in vehicle A/C systems

Ref. No. 8887200047



WAECO EASY REPAIR SETS

FOR ALUMINIUM REFRIGERANT PIPES

and it's costly for the customer, too. A much faster alternative in complete replacement! most cases is to repair the defective pipe. Simply cut out the defective section with a saw, insert the matching connection sleeve from the WAECO Easy Repair Set, tighten it and you are done! There's no need for any special tools. You save precious time, and your customer is happy about the much lower bill. Treat

Replacing a damaged refrigerant pipe is a time-consuming task, your customers to this practical and cost-efficient alternative to a

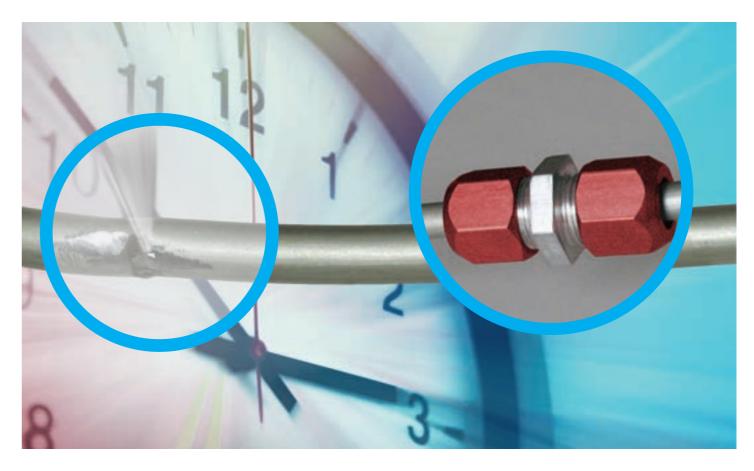
Easy repair set for aluminium refrigerant pipes

For easy repair of damaged pipes

- Low-cost alternative to fitting a new refrigerant pipe
- No special tools required

Repair kit for 1/2" pipes Repair kit for 3/8" pipes Repair kit for 5/16" pipes Repair kit for 5/8" pipes Set of seals for 1/2", 3/8", 5/16" pipes Ref. No. 8885400119 Ref. No. 8885400120 Ref. No. 8885400121 Ref. No. 8885400123 Ref. No. 8885400122







74 – WAECO.COM – 75

Ref. No. **Description**

Ref. No. Description

9103301896

ASC 5500 G RPA service unit For R1234yf

Low Emission



9103303117

9103303116

ASC 7.3 LE service unit Low Emission

ASC 7.3 service unit



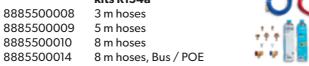
9103303104 ASC 6100 G service unit



9103303118 ASC 7.4 service unit



6000-series connection kits R134a 8885500008 3 m hoses 8885500009





9103303119

ASC 7.4 LE service unit Low Emission



6000-series connection kits R1234yf 8885500011 3 m hoses 8885500012 5 m hoses

8 m hoses

8885500013



7-series connection kits R134a

8885500019 3 m hoses 8885500020 5 m hoses 8885500021 8 m hoses 8885500025 8 m hoses, Bus / POE



8885100178 R744 Upgrade Kit



7-series connection kits R1234yf

8885500022 3 m hoses 8885500023 5 m hoses 8885500024 8 m hoses



Ref. No. Description

Service stickers 8887300007 Sales pack: 5 pcs.

8887100007

8887100019

8887100050



Prof. oil system for third-party service PAG oils units*

Description

R134a/R1234yf

RB100 EV, 150 ml

Denso ND11, 150 ml

Denso ND11, 150 ml

Universal PAO ISO 68

Universal oil for the

coating of O-rings in

Vacuum pump oil

compressor oil 1000 ml

RB68, 150 ml

original oils, POE oils

8887200067 WDHO PS, 150 ml 8887200069 WDHO 1234yf, 150 ml POE oils 8887200072 RB100 EV, 150 ml 8887200076 RB68, 150 ml

Ref. No.

8887200072

8887200076

8887200073

8887200073

8887200009

8887200047

8887200018

8887200081



Refrigerant

R1234yf, 5 kg Refill only

R1234yf, 10 kg Refill only

Refrigerant

12 kg Refill only

R134a



Refrigerant 8887100053 R744, 10 kg Refill only



R134a original oils 8887200059 WDHO PS, 500 ml 8887200021 Denso ND8, 500 ml



8887200047	vehicle A/C systems 100 ml

HT 32

1000 ml

500ml



R134a aftermarket 8887200001 PAG ISO 46, 250 ml PAG ISO 46, 500 ml 8887200013 8887200002 PAG ISO 100, 250 ml 8887200014 PAG ISO 100, 500 ml 8887200008 PAG ISO 150, 250 ml 8887200019 PAG ISO 150, 500 ml 8887200017 PAO ISO 68 500 ml 88

8887200041

8887200042



	R1234yf aftermarket oils	
8887200046	VC200yf, 500 ml	-
8887200039	SPA2, 500 ml	do
8887200076	Denso ND12, 250 ml	460
8887200079	ND12, 500 ml	
8887200063	WDHO 1234yf, 500 ml	-
	R1234yf original oils	<u>~</u>
	·	
8887200028	SE 55, 500 ml	test at the
8887200017	PAO, ISO 68, 500 MI	

PAGyf, ISO 46, 250 ml PAGyf, ISO 46, 500 ml

Leak detection spray 8887300018 500 ml



WAECO UV Tracer PAG, R134a 8887600010 Profi oil system*, 150 ml,

R134a 8887600028 Profi oil system*, 500 ml, R134a



^{*} Adapter see page 43

Ref. No. **Description**

WAECO UV Tracer PAG, R134a

8887600027 For refrigeration and air conditioning systems (R134a/PAG oil), 250 ml



WAECO UV Tracer

Description

8887600024 for oils and fuels, sales pack: 6 pcs. 8887600025 for cooling water sales pack: 6 pcs.



Similar picture

8887600006





8887600005

for R134a in combination with PAG oil sales pack: 6 pcs.

TRACER sticks



WAECO UV Tracer

8887600012 R 12334vf

8887600030 R1234yf



PAG / SPA2, R1234yf Profi oil system*, 150 ml,

Profi oil system*, 500 ml,



PAG / SPA2, R1234yf 8887600029 For refrigeration and air conditioning systems (R1234yf/PAG oil), 250 ml



Similar picture

8887600031

WAECO UV Tracer POE / RB100EV POE oil based 150 ml can



Similar picture

8887600004

UV dye injection kit for hybrid vehicles



TRACER UV dye for R 744

150 ml can, based on ACC HV oil



TRACER cartridges

8887400008

Ref. No.

Air conditioner cleaner 1000 ml



8887400018

Aircon Ready Refresh Aircon cleaner on a probiotic basis

12 x 150 ml



8885300096

Refresh-o-mat HD



8885300140 **HD Ozone generator**



8885300105 Ozone generator



WAECO AIRCON PARTS

ENGINEERING AND PORTFOLIO MANAGEMENT IN GERMANY

WAECO - THE NATURAL CHOICE FOR AIRCON PARTS

The development and management of the WAECO AirCon Parts range is in the hands of experienced WAECO specialists who maintain excellent contacts with the automotive industry and all major trade associations. Thanks to the accurate work of our engineers and the careful manufacturing by hand-picked, long-term production partners, you can rest assured that each part fits like a glove and can be installed without hassle in your workshop.

We are 100% convinced by the quality of our offer. All products in the WAECO AirCon Parts range are inspected on a regular basis by recognized, independent institutes - and they score excellent results in the tests! In the unlikely event of defects we will refund the material and the labour costs according to the commonly used Eurotax rates. You can take our word for it.



QUALITY

An in-house experimental lab, the cooperation with specialized manufacturers as well as comprehensive product testing ensure that WAECO AirCon Parts are just as easy to install as the original they replace.

KNOW-HOW

Dometic WAECO has been known as the specialist in AirCon solutions for all kinds of vehicles for over 40 years. Your will benefit from our wealth of know-how with every original replacement part you order from us.

TESTING

WAECO AirCon Parts are inspected by independent technical institutes (e.g. TWK Karlsruhe) - with excellent results. Their high quality level is also documented by the certification according to Commission Regulation (EU) No. 461/2010.

FIND THE WAECO AIRCON PARTS YOU NEED ON OUR WEBSITE:



waeco.com/en/de/oe-catalogue

8887600009

^{*} Adapter see page 43

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