



BOSCH

Invented for life

Driven by

AUTONOMY

A/C maintenance for experts

A/C service units for refrigerants
R134a and R1234yf

Everything for your air conditioning service

Air conditioning systems in vehicles require regular maintenance. Accordingly, the market potential for intelligent air conditioning service is steadily increasing. In this context, workshops availing of expertise and the right equipment have the upper hand: A/C service units offered by Bosch enable you to keep a cool head and fully exploit the advantages of comfort, precision and fully-automatic operation.

ACS 863

Premium equipment for R1234yf A/C service. Fully-automatic A/C service unit for passenger cars and commercial vehicles; compatible with hybrid and electric vehicles, incl. refrigerant identification

p.07



ACS 763 / 753

Best in class for R1234yf and R134a A/C service units. Fully-automatic A/C service units for passenger cars and commercial vehicles; compatible with hybrid and electric vehicles

p.08



The new ACS units offered by Bosch:

ACS 810

Automatic A/C service unit specially for buses, trucks and commercial vehicles, with large internal tank (35 kg) and liquid pump for swift filling with refrigerant

p.13



ACS 652

Complete, fully-automatic A/C service unit without manual valves for passenger cars and commercial vehicles; compatible with hybrid and electric vehicles

p.12



Driving comfort and safety offered by A/C systems

Air conditioning systems are meanwhile standard equipment in vehicles. Currently, more than 60 percent of small vehicles and over 90 percent of mid-range and premium-range models are fitted with air conditioning. And these shares are steadily on the rise.

In the future: A/C service on systems equipped with R134a refrigerant will remain an everyday workshop task

Despite the launch of the new R1234yf refrigerant, vehicle manufacturers were authorized to supply A/C units equipped with the R134a refrigerant in new vehicles until 2016. With an average vehicle service life of 20 years, R134a A/C service units will remain key pillars of revenue generation for workshop service for a long time.



- ▶ Even most small cars feature air conditioning as standard or as an extra option.
- ▶ This trend is on the rise for both passenger cars and commercial vehicles.
- ▶ Sooner or later, there will be only very few vehicles without air conditioning.

ACS 663 / 653

The new standard in R1234yf and R134a air conditioning service units. Fully-automatic A/C service units for passenger cars and commercial vehicles; compatible with hybrid and electric vehicles

p.09



ACS 661

Fully-automatic A/C service unit for vehicles equipped with R1234yf refrigerant

p.10



ACS 561

Fully-automatic entry-level A/C service unit for vehicles equipped with R1234yf refrigerant

p.10



11 models for every workshop profile

ACS 511

Fully-automatic AC service unit with fast return on investment

p.11



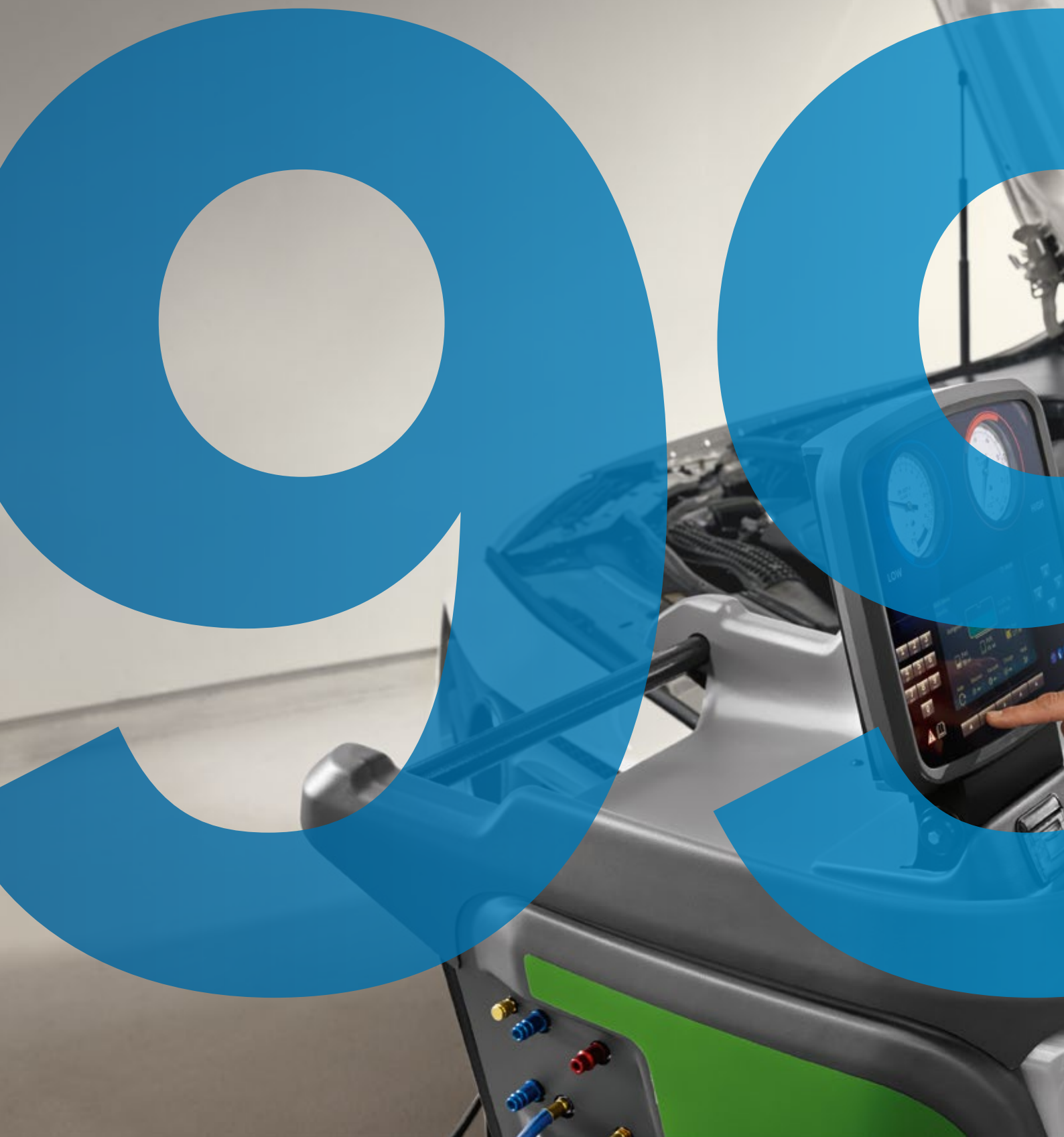
ACS 611

Fully-automatic A/C service unit for passenger cars and commercial vehicles

p.11



Air conditioning service units offered by Bosch achieve a refrigerant recovery rate of 99%. Accordingly, you not only save time and money but also improve the efficiency and service quality in your workshop, as well as being environmentally-friendly and conserving resources.





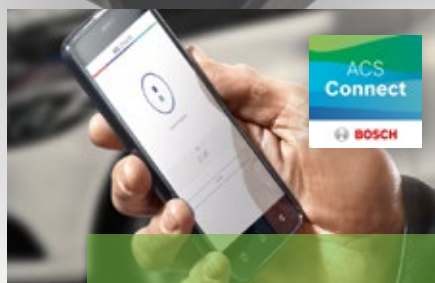
0% Refrigerant
recovery

The new range of A/C service units



Innovative ACS equipment is the key to successful air conditioning service maintenance.

The new range of Bosch A/C service units combines service speed, flexible applications, automation and connectivity – as well as safeguarding optimal maintenance and the profitability of your workshop.



Swift and easy control of the new ACS units using the Bosch app on your smartphone – wherever you are in the workshop. You can query the current work status at any time, and receive a push notification when the maintenance function or other activities necessary on the vehicle are complete – enabling you to handle other tasks during ongoing A/C service.

ACS 863:

Fully-automatic A/C service in perfection

 **R1234yf**



Premium equipment for R1234yf A/C service

The fully-automatic R1234yf service units meet the highest requirements on service units for air conditioning systems in passenger cars and commercial vehicles. They are compatible with hybrid air conditioning systems and meet the specifications of German car manufacturers as well as the SAE, EGEA and European Union standards.

Safe and efficient – for professional and economical air conditioning service

A/C service units combine all maintenance functions in a single device. The corresponding functions are easy for users to operate and manage. During the development of this system, maintenance-friendliness was a top priority, thereby facilitating access to internal components.

Maintenance service for hybrid and electric vehicles

Two oil injection bottles for PAG and POE lubricants and an automatic flushing function make the unit compatible for service on hybrid and electric vehicles.



Order number

ACS 863: S P00 000 112

ACS 863-Nx: S P00 000 127

The advantages of the ACS 863 at a glance

- ▶ Swiveling control panel for optimal user-friendliness
- ▶ Maintenance-friendly design for easy and efficient access to the internal components of the A/C service unit
- ▶ Facilitated by the smartphone app: remote control of the A/C service unit at the touch of a button
- ▶ Integrated leak test for inert gas (nitrogen, forming gas)
- ▶ Deep recovery function for full evacuation of the vehicle A/C system
- ▶ Innovative oil bottle system for vehicles with combustion engines and hybrid vehicles (PAG/POE)
- ▶ Designed on the basis of user experience, these products offer the perfect combination of robustness and flexible mobile use
- ▶ Integrated database with wireless connection to Bosch Connected Repair and the ASA network
- ▶ 99% recovery rate (Deep Recovery)

ACS 763 and ACS 753:

Meeting the highest standards in the workshop

 **R1234yf**

 **R134a**



Best in class for R1234yf and R134a A/C service units

The fully-automatic R1234yf and R134a service units meet the highest requirements on service units for air conditioning systems in passenger cars and commercial vehicles. They are compatible with hybrid air conditioning systems and meet the specifications of German car manufacturers as well as the SAE, EGEA and European Union standards.

Safe and efficient – for professional and economical air conditioning service

The A/C service units combine all maintenance functions in a single device. The corresponding functions are easy for users to operate and manage. During the development of these systems, maintenance-friendliness was a top priority, thereby facilitating access to internal components.

Maintenance service for hybrid and electric vehicles

Two oil injection bottles for PAG and POE lubricants and an automatic flushing function make the unit compatible for service on hybrid and electric vehicles.



Order number

ACS 763 (R1234yf): S P00 000 113

ACS 753 (R134a): S P00 000 110

The advantages of the
ACS 763, ACS 753,
ACS 663 and ACS 653
at a glance

Bosch **Connected Repair** 

ACS 663 and 653:

The new standard in A/C service

 **R1234yf**

 **R134a**



The new standard in R1234yf and R134a air conditioning service units

With high-precision measuring technology and fully-automatic service, the ACS 663 and ACS 653 enable efficient service work on A/C systems in passenger cars and commercial vehicles. Complying with the highest requirements of the technically demanding US standard SAE J-2788 for air conditioning systems and meeting the appropriate European standards as well. Suitable for fully-automatic maintenance and repair work on all passenger car and commercial vehicle air conditioning systems.

Safe and efficient – for professional and economical air conditioning service

The A/C service units combine all maintenance functions in a single device. The corresponding functions are easy for users to operate and manage. During the development of these systems, maintenance-friendliness was a top priority, thereby facilitating access to internal components.

Maintenance service for hybrid and electric vehicles

Two oil injection bottles for PAG and POE lubricants and an automatic flushing function make the unit compatible for service on hybrid and electric vehicles.



Order number

ACS 663 (R1234yf): S P00 000 132

ACS 663-P (R1234yf): S P00 000 133

ACS 663-RI (R1234yf): S P00 000 134

ACS 653 (R134a): S P00 000 135

ACS 653-P (R134a): S P00 000 136

- ▶ Swiveling control panel for optimal user-friendliness (ACS 863, ACS 763, ACS 753)
- ▶ Maintenance-friendly design for easy and efficient access to the internal components of the A/C service unit
- ▶ Facilitated by the smartphone app: remote control of the A/C service unit at the touch of a button (ACS 863, ACS 763, ACS 753)
- ▶ Integrated leak test for inert gas (nitrogen, forming gas) (ACS 863, ACS 763, ACS 753)
- ▶ Deep recovery function for full evacuation of the vehicle A/C system
- ▶ Innovative oil bottle system for vehicles with combustion engines and hybrid vehicles (PAG/POE)
- ▶ Designed on the basis of user experience, these products offer the perfect combination of robustness and flexible mobile use
- ▶ Integrated database with wireless connection to Bosch Connected Repair and the ASA network (ACS 863, ACS 763, ACS 753)
- ▶ 99% recovery rate (Deep Recovery)

ACS 661 and ACS 561:

Air conditioning service for R1234yf made easy



Air conditioning technology offered by Bosch for R1234yf

After launching the first vehicle models featuring the new R1234yf air conditioning systems in 2011, Bosch collaborated closely with the vehicle industry to develop this new A/C service unit. The cutting-edge ACS 661 and ACS 561 offer reliable workshop applications and are gentle on the environment.

Safety, user-friendliness and precision thanks to technical competence

The ACS 661 and ACS 561 guarantee easy, time-saving and precise maintenance of modern R1234yf air conditioning systems. Bosch technology and an attention to detail ensure compliance with all of the relevant hose and safety standards, including the service units for R1234yf refrigerant.



Order number

ACS 661: S P00 000 071

ACS 661-UK: S P00 000 086

ACS 561: S P00 000 100

The advantages of the ACS 661 and ACS 561 at a glance

- ▶ Fully-automatic service or manual selection of individual service steps
- ▶ Vacuum pump 170 l/min. (ACS 661); 72 l/min. (ACS 561)
- ▶ Refrigerant tank 20 kg (ACS 661); 8 kg (ACS 561)
- ▶ Compressor 3/8 HP (ACS 661); 1/4 PS (ACS 561)
- ▶ Service hoses with flushing function for compatibility with hybrid/electric vehicles
- ▶ Separate bottles for injecting oil/UV dye (ACS 661)
- ▶ Powerful deep vacuum function
- ▶ With optional integrated flushing program
- ▶ Electronic control of the internal air exchange
- ▶ Automatic purge of non-condensable gas
- ▶ Easy maintenance of the internal filter
- ▶ Serviceability: easy filter dryer and vacuum pump oil change
- ▶ Printer

ACS 611 and ACS 511:

Fully-automatic entry-level air conditioning service



R134a



Air conditioning technology offered by Bosch for R134a

The ACS 611 is a modern air conditioning service unit for passenger cars and commercial vehicles. Like all fully-automatic units offered by Bosch, the ACS 611 is suitable for the maintenance of R134a-based A/C systems requiring minimum manual intervention. The device automatically controls each maintenance step, including recovery, recycling and refilling of oil and refrigerant, without necessitating manual intervention by a mechanic.

The manual mode also enables the user to control each individual step. The powerful dual-stage vacuum pump featured by the ACS 611 guarantees swift and effective evacuation of the system. Like all Bosch units, the ACS 611 features a database providing details on the requisite volumes of oil and refrigerant for the respective vehicle's air conditioning system. The ACS 611 also has an integrated printer for drawing up detailed reports.

Our ACS 511 model is an alternative for workshops with reduced A/C service levels. This less powerful compressor also meets the requirements for professional operations without compromising on the typically high quality offered by Bosch.



Order number

ACS 611: S P00 000 002

ACS 611-UK: S P00 000 082

ACS 511: S P00 000 001

ACS 511-UK: S P00 000 081

The advantages of the ACS 611 and ACS 511 at a glance

- ▶ Fully-automatic service or manual selection of individual service steps
- ▶ Deep vacuum (vacuum pump 170 l/min. for ACS 611)
- ▶ Bottles for injecting oil/UV dye
- ▶ Large internal tank (20 kg for ACS 611)
- ▶ Step-by-step menu guidance
- ▶ Integrated database for passenger cars and commercial vehicles
- ▶ Charge with automatic compensation of service hoses
- ▶ With optional integrated flushing program
- ▶ Multi-phase refrigerant recycling during the vacuum phase
- ▶ Integrated, guided performance test for A/C systems
- ▶ Automatic purge of non-condensable gas
- ▶ Easy maintenance of the internal filter
- ▶ Easily-accessible vacuum pump for uncomplicated oil changes
- ▶ Printer

ACS 652:

Comprehensive expertise for passenger cars and commercial vehicles



R134a



Top equipment for a professional air conditioning service

The ACS 652 is optimized for workshops with medium to high workloads in air conditioning service. High-precision measuring technology and fully-automatic processes enable environmentally-friendly service work on air conditioning systems in passenger cars and commercial vehicles alike.

Maintenance service for hybrid and electric vehicles

Two oil injection bottles for PAG and POE lubricants. The flushing function of the service hoses makes the device suitable for both hybrid and electric vehicles.

Fully-automatic work steps

The ACS 652 performs the following tasks without requiring manual intervention: refrigerant extraction and recycling, used oil draining, evacuation followed by leak testing, refilling of new oil and UV dye, and precise refrigerant filling.



Order number

ACS 652: S P00 000 070

ACS 652-UK: S P00 000 084

The advantages of the ACS 652 at a glance

- ▶ Fully-automatic service or manual selection of individual service steps
- ▶ Powerful dual-stage vacuum pump (170 l/min.)
- ▶ Large internal tank (20 kg)
- ▶ Suitable for vehicles with combustion engines and hybrid vehicles (PAG/POE)
- ▶ Integrated database for passenger cars and commercial vehicles
- ▶ Charge with automatic compensation of service hoses
- ▶ LCD display (80 characters)
- ▶ Integrated performance test for air conditioning systems
- ▶ Quick-start function
- ▶ Quick selection for the last 10 vehicles
- ▶ Multi-phase refrigerant recycling
- ▶ With optional integrated flushing program
- ▶ Automatic purge of non-condensable gas
- ▶ Serviceability: easy filter dryer and vacuum pump oil change
- ▶ No manual valves
- ▶ Printer

ACS 810:

Air conditioning service at peak performance



R134a



Air conditioning technology for heavy-duty vehicles

The ACS 810 is specially aligned toward the requirements of buses and trucks as well as R134a-based, high-capacity air conditioning systems. The unit automatically controls the recovery, recycling and refilling of refrigerant. The 5-meter service hoses permit easy connection to the A/C systems.

Thanks to integrated 2-liter oil bottles for injecting and recovering oil, the ACS 810 can hold a large volume of compressor lubricant. The double fan ensures excellent temperature control and constant refrigerant pressure during the recovery phase. It also protects the internal components from overheating. The high-performance filling pump allows fast and comprehensive filling with refrigerant.

The unit guarantees professional air conditioning servicing for heavy trucks and buses and also features a printer for drawing up detailed reports.



Order number

ACS 810: S P00 000 003

ACS 810-UK: S P00 000 083

The advantages of the ACS 810 at a glance

- ▶ Fully-automatic service or manual selection of individual service steps
- ▶ Fast and deep vacuum (vacuum pump 283 l/min.)
- ▶ Large oil tanks (2000 ml)
- ▶ Large internal tank (35 kg)
- ▶ Long service hoses as standard (5 m)
- ▶ Liquid pump for filling with refrigerant
- ▶ Integrated database for passenger cars and commercial vehicles
- ▶ With optional integrated flushing program
- ▶ Multi-phase refrigerant recycling during the vacuum phase
- ▶ Integrated, guided performance test for A/C systems
- ▶ Automatic purge of non-condensable gas
- ▶ Easy maintenance of the internal filter
- ▶ Easily-accessible vacuum pump for uncomplicated oil changes
- ▶ Printer

Specifications

ACS 863, ACS 763, ACS 753, ACS 663 and ACS 653

Model	ACS 863	ACS 763 / ACS 753	ACS 663 / ACS 653	
Refrigerant	R1234yf	R1234yf / R134a	R1234yf / R134a	
Operating mode	Fully-automatic	Fully-automatic	Fully-automatic	

Functions

Recovery function	Automatic	Automatic	Automatic	
Recovery rate	> 99%	> 99%	> 99%	
Refrigerant detection	Yes	Optional	Optional (integrated in ACS 663-RI)	
Oil drain	Automatic, with electronic scale	Automatic, with electronic scale	Automatic, with electronic scale	
Vacuum function	Automatic	Automatic	Automatic	
Leak test	Automatic	Automatic	Automatic	
Pressure leak test	Yes	Yes	Yes	
Pressure leak test (N2 / N2H2)	Yes	Yes	Optional	
Hybrid oil function	Yes	Yes	Yes	
Oil injection	PAG/POE Automatic, with electronic scale	PAG/POE Automatic, with electronic scale	PAG/POE Automatic	
UV dye injection	Automatic, with electronic scale	Automatic, with electronic scale	Automatic	
Refrigerant charge	Automatic, with electronic scale	Automatic, with electronic scale	Automatic, with electronic scale	
Flushing function	Optional	Optional	Optional	
Printer	Yes	Yes	ACS 663-P ACS 663-RI ACS 653-P	
Ventilation system	Electronic control	Electronic control	Electronic control	

Specifications

Valves, HP/LP	–	–	–	
Pressure gage, HP/LP	100 mm, pulse-free	100 mm, pulse-free	100 mm, pulse-free	
Tank pressure display	Digital	Digital	Digital	
Service hoses	2.5 m (5 m optional)	2.5 m (5 m optional)	2.5 m (5 m optional)	
Display	7" color display	7" color display	4.3" color display	
Compressor	1/4 HP	1/4 HP	1/4 HP	
Vacuum pump	170 l/min. (6 CFM)	170 l/min. (6 CFM)	170 l/min. (6 CFM)	
Refrigerant tank	19.5 kg	19.5 kg/21.5 kg	19.5 kg/21.5 kg	
Oil bottles	2 x 250 ml (hermetically-sealed)	2 x 250 ml (hermetically-sealed)	2 x 250 ml (hermetically-sealed as an option)	
Used oil bottle	1 x 250 ml	1 x 250 ml	1 x 250 ml	
UV dye bottle	1 x 250 ml (hermetically-sealed)	1 x 250 ml (hermetically-sealed)	1 x 250 ml (hermetically-sealed as an option)	
Dimensions in cm (L x W x H)	105 x 75 x 77	105 x 75 x 77	105 x 75 x 77	
Weight (with empty refrigerant tank)	112 kg	112 kg	112 kg	
Power supply	230 V 50/60 Hz	230 V 50/60 Hz	230 V 50/60 Hz	

Accessories

Vehicle database	Yes	Yes	Yes	
Programmable user database	Yes	Yes	Yes	
A/C system performance test	Yes	Yes	Yes	
Vehicle flushing adapter kit	Optional kit	Optional kit	Optional kit	
USB port	Yes	Yes	Yes	
Wi-Fi connection	Yes	Yes	Optional	
App connection	Yes	Yes	Optional	

Technical data

ACS 661, ACS 561 and ACS 652

	ACS 661	ACS 561	ACS 652
	R1234yf	R1234yf	R134a
	Fully-automatic	Fully-automatic	Fully-automatic
	Automatic	Automatic	Automatic
	> 95%	> 95%	> 95%
	Optional	Optional	No
	Automatic	Automatic	Automatic, with electronic scale
	Automatic	Automatic	Automatic
	Automatic	Automatic	Automatic
	Yes	Yes	No
	No	No	No
	Yes	Flushing the service hoses	Yes
	PAG/POE Automatic	Automatic	PAG/POE Automatic, with electronic scale
	Automatic	No	Automatic
	Automatic, with electronic scale	Automatic, with electronic scale	Automatic, with electronic scale
	Optional	Optional	Yes (via optional kit)
	Yes	Yes	Yes
	Electronic control	Automatic	Automatic
	2	2	–
	63 mm, pulse-free	63 mm, pulse-free	80 mm, pulse-free
	Digital	No	40 mm
	2.5 m	2.5 m	2.5 m (2.5 m and 5 m extension optional)
	160 x 120 monochrome display	160 x 120 monochrome display	LCD display
	1/4 HP	1/4 HP	3/8 HP
	170 l/min. (6 CFM)	71 l/min. (3 CFM)	170 l/min. (6 CFM)
	23 kg	8 kg	20 kg
	2 x 250 ml	1 x 250 ml	2 x 250 ml
	1 x 250 ml	1 x 250 ml	1 x 250 ml
	1 x 250 ml	No	1 x 50 ml
	128 x 69 x 69	107 x 61 x 76	128 x 69 x 69
	110 kg	107 kg	110 kg
	230 V 50/60 Hz	230 V 50/60 Hz	230 V 50/60 Hz
	Yes	Optional	Yes
	No	No	Yes
	No	No	Optional
	Optional kit	Optional kit	Optional kit
	Yes	Yes	No
	No	No	No
	No	No	No

Specifications

ACS 611, ACS 511 and ACS 810

Model	ACS 611	ACS 511	ACS 810
Refrigerant	R134a	R134a	R134a
Operating mode	Fully-automatic	Fully-automatic	Automatic

Functions

Recovery function	Automatic	Automatic	Automatic
Recovery rate	Up to 95 %	Up to 95 %	Up to 95 %
Refrigerant detection	No	No	No
Oil drain	Automatic, with electronic scale	Automatic, with electronic scale	Automatic
Vacuum function	Automatic	Automatic	Automatic
Leak test	Automatic	Automatic	Automatic
Pressure leak test	No	No	No
Pressure leak test (N2/N2H2)	No	No	No
Hybrid oil function	No	No	No
Oil injection	Automatic, with electronic scale	Automatic, with electronic scale	Manual with electronic solenoid
UV dye injection	Automatic	Automatic	No
Refrigerant charge	Automatic, with electronic scale	Automatic, with electronic scale	Automatic, with electronic scale
Flushing function	Yes (via optional kit)	Yes (via optional kit)	Yes (via optional kit)
Printer	Yes	Yes	Yes
Ventilation system	Automatic	Automatic	Automatic

Specifications

Valves, HP/LP	2	2	2
Pressure gage, HP/LP	80 mm, pulse-free	80 mm, pulse-free	80 mm, pulse-free
Tank pressure display	40 mm	40 mm	40 mm
Length of service hoses	2.5 m (2.5 m and 5 m extension optional)	2.5 m (2.5 m and 5 m extension optional)	5 m (2.5 m and 5 m extension optional)
Display	LCD display	LCD display	LCD display
Compressor	3/8 HP	1/4 HP	1/2 HP
Vacuum pump	170 l/min. (6 CFM)	71 l/min. (3 CFM)	283 l/min. (10 CFM)
Refrigerant tank	20 kg	8 kg	35 kg (40 l)
Oil bottles	1 x 250 ml	1 x 250 ml	1 x 2000 ml
Used oil bottle	1 x 250 ml	1 x 250 ml	1 x 2000 ml
UV dye bottle	1 x 50 ml	1 x 50 ml	No
Dimensions in cm (L x W x H)	128 x 69 x 69	128 x 69 x 69	128 x 69 x 69
Weight (with empty refrigerant tank)	110 kg	100 kg	120 kg
Power supply	230 V 50/60 Hz	230 V 50/60 Hz	230 V 50 Hz

Accessories

Vehicle database	Yes	Yes	Yes
Programmable user database	Yes	Yes	Yes
A/C system performance test	Optional	Optional	Optional
Vehicle flushing adapter kit	Optional kit	Optional kit	Optional kit
USB port	No	No	No
Wi-Fi connection	No	No	No
App connection	No	No	No

The right equipment for your service

Bosch offers a great variety of accessories for a comprehensive and professional AC service and maintenance. From standard routines such as recovery and recharge to solutions for complex troubleshooting and prepared for future technologies.

When an AC system has been contaminated or has suffered of mechanical failure, the most important step in an AC system servicing, is the flushing and deep cleaning of the AC system. Flushing removes all trace of lubricants, contaminated oil, refrigerant or carbon residuals from the system.

Smallest particles cause restrictions and problems for an efficient function of the entire system and components.

An automotive air conditioning system may require flushing for several reasons:

- ▶ Deep vehicle maintenance, as per OEM maintenance guideline
- ▶ System contamination
- ▶ Component replacing
- ▶ Restore correct amount of lubricant



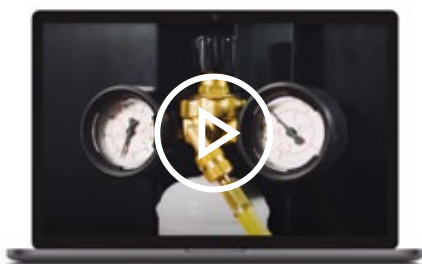
Flushing as a best practice to regain AC systems efficiency:

Flushing removes all trace of lubricants, contaminated oil, refrigerant or carbon residuals from the system. The smallest particle of contamination causes loss of efficiency. It takes less than 1/10 of a teaspoon of debris (dirt) to completely restrict flow of refrigerant and oil in a vehicle's AC system. Cleanliness and proper flushing procedures are very important.



[Learn how to easily flush the AC system with the new flushing kit from Bosch](#)

bit.ly/2AeKA6Q



Troubleshooting via leak detection:

Thanks to the nitrogen kit from Bosch finding leakages in a vehicle's AC system is as effective as never before. Using a 5 % hydrogen/ 95 % nitrogen tracer gas mix can help to locate leaks faster for repair of the AC system, without wasting refrigerant.

How to use tracer gas:

- ▶ After recovering the refrigerant, fill and pressurize the AC system with tracer gas (hydrogen 5 % and nitrogen 95 %)
- ▶ Turn on the Leak Detector and sniff along the system. Check lines and connections
- ▶ Individual hydrogen atoms in tracer gas are smaller than complex refrigerant molecules, locating smaller leaks than with dye
- ▶ Using tracer gas eliminates utilising refrigerant and accompanying risk of refrigerant loss for professional leak check



[See yourself how efficient and effective leaks can be found when using Bosch's nitrogen kit.](#)

bit.ly/3cc2moL

Special accessories

Flushing Kit



ACT1234
Flushing kit R1234yf & R134a for ACS unit – Installation Kit
📦 **S P00 101 175**



ACT1234-SFK
Flushing Kit R1234yf & R134a for ACS unit with universal adapters kit
📦 **S P00 101 176**



ACT2502-104
Universal Adapter Kit
📦 **S P00 100 734**



S P00 101 974
Professional flushing adapter kit
📦 **S P00 101 974**



ACT2602-273
TXV Valve Bridge (VW Group)
📦 **S P00 101 284**

ACT2600-185	Large Cone for Universal Adapter	S P00 101 282
ACT1800-460	By-pass Filter Dryer (VW Group)	S P00 101 283
ACT2602-274	TXV Valve Bridge S Class (Mercedes)	S P00 101 285
ACT2602-275	TXV Valve Bridge C Class (Mercedes)	S P00 101 286

Leak Detection



FLG820
N2H2 leak detection kit for R134a and R1234yf with N2H2 to 2.2 liter cylinder
📦 **S P00 101 945** (IT, SI)
S P00 101 946 (FR, BE, PT, ES, EL)
S P00 101 947 (DE, PL, NL, RO)
S P00 101 948 (GB, DK, IE)



FLG720
N2H2 leak detection kit for R134a and R1234yf
📦 **S P00 101 991** (IT, SI)
S P00 101 992 (FR, BE, PT, ES, EL)
S P00 101 993 (DE, PL, NL, RO)
S P00 101 994 (GB, DK, IE)



FLG220
Universal Leak Detector for Hydrogen, R134a and R1234yf
📦 **S P00 101 990**



RA504075
Nitrogen kit with trolley and pressure regulator for R134a System
📦 **S P00 100 360**



RA504076
Nitrogen/Hydrogen Kit with trolley and pressure regulator for R134a System
📦 **S P00 101 196**



ACT507f
R1234yf HP Coupler + 1/4 SAE – 12MM adapter for RA504075/76
📦 **S P00 101 589**



SP00101018
Twister Oil Injector for R134a
📦 **S P00 101 018**



SP00101465
R1234yf Adapter for Twister Oil Injector
📦 **S P00 101 018**



RA16286B
Universal UV Dye 240 ml for R134a and R1234yf
📦 **1 692 600 144**



AZOIDRO 2.2 x 4
Nitrogen/Hydrogen cylinder 2.2 lt (4 pieces)
📦 **S P00 101 996**



AZOIDRO 1 x 6
Nitrogen/Hydrogen cylinder 1 lt (6 pieces)
📦 **S P00 101 997**

Special tools and adapters for A/C system maintenance



S P00 101 973
Spring Lock Kit for Audi,
Ford, Opel, Toyota, VW
📄 **S P00 101 973**



RA161000
O-Ring kit
(10 x 25 o-ring types)
📄 **S P0F 210 059**



RA162000
Schrader valves kit
(7 types + 1 remover)
📄 **S P00 101 681**

SP00101700	HP Service Port Adapter – HP Extension Service Port R1234yf	S P00 101 700
ACT12688	LP Service Port Adapter – LP Extension Service Port R1234yf	S P00 101 825
ACT12686	HP Service Port Adapter – HP Extension Service Port R134a	S P00 101 344
ACT12689	LP Service Port Adapter – LP Extension Service Port R134a	S P00 101 826
S P00 101 972	Solenoid Valve Operating Magnet	S P00 101 972
RA6050KIT	Bus and Heavy Duty kit	S P00 101 408

Miscellaneous



RA43230EU
Digital Thermometer
Swiveling 180° display
📄 **S P00 101 824**



STRPK_134
Starter kit R134a (O'ring set; UV dye
(250 ml); PAG 46 (250 ml); UV lamp
with goggle; Safety kit)
📄 **S P00 101 416**



STRPK_1234YF
Starter kit R1234yf (O'ring set,
UV Dye (250 ml); PAG 46yf (250 ml);
UV Lamp with goggle; Safety kit))
📄 **S P00 101 409**



S P00 101 828
PAG Universal for R134a
and R123yf and Sanden
Compressor
📄 **S P00 101 828**

5607069	Printer paper	S P00 100 087
5604052	Vacuum Pump Oil(1 bottle 600 ml)	S P00 100 086
5604052PACK	Vacuum Pump Oil (12 bottles 600 ml)	S P00 100 088
PAGRF100	PAG 100 Oil Bottle (250 ml) for R134a systems	S P00 101 034
PAGRF150	PAG 150 Oil Bottle (250 ml) for R134a systems	S P00 101 035
PAGRF46	PAG 46 Oil Bottle (250 ml) for R134a systems	S P00 101 036
PAGRF46yf	PAG 46 Oil Bottle (250 ml) for R1234yf systems	S P00 101 422
POERFOIL	POE Oil Bottle (250 ml) for Electrical and Hybrid systems for R134a (ISO 80)	S P00 101 586
POERFOILyf	POE Oil Bottle (250 ml) for Electrical and Hybrid systems for R1234yf (ISO 80)	S P00 101 827
RA245VSK	ACS unit R134a service hoses extension: 2,44 m for ACS x11 and ACS 652	S P00 100 075
RA500VSK	ACS unit R134a service hoses extension: 5 m for ACS x11 and ACS 652	S P00 100 075
1234-SH5	R1234yf 5 m Service hoses kit for ACS xx3 unit	S P00 101 877
1x34-SH5	R134a 5 m Service hoses kit for ACS xx3 unit	S P00 101 878
S P00 101 379	Wi-Fi Connection kit for ACSxx3 unit	S P00 101 379
S P00 100 128	A/C Data manager for ACS x11 unit	S P00 100 128
1X34-7iCONV	R1234yf Conversion kit for ACS x53	S P00 101 784
ACT1234-RIK	R1234yf Refrigerant Identifier Kit for ACS663	S P00 101 951
ACT1234-NXK	N2 / N2H2 kit for new generation ACS xx3 unit	S P00 101 740
ACT1234-NIK	N2H2 Installation kit for ACS 6x3 unit	S P00 101 952

Driven by efficiency

Technology from Bosch is used in practically every vehicle in the world. For us, the focus is on people and helping them to stay mobile.

We have been dedicated to people for more than 125 years with our pioneering spirit, research, production, and expertise.

And we continue to work on our combination of solutions for spare parts, diagnostic devices, workshop equipment, and services:

- ▶ Solutions for efficient vehicle repairs
- ▶ Innovative workshop equipment and software
- ▶ One of the world's largest selections of new and replacement parts
- ▶ Large dealership network for quick and reliable parts supply
- ▶ Competent hotline support
- ▶ Comprehensive educational and training offerings
- ▶ Targeted sales and marketing support

Find out more:
boschaftermarket.com

What drives you
drives us

Robert Bosch GmbH
Automotive Aftermarket
Business Unit Automotive Service Solutions

73201 Plochingen
Germany
boschaftermarket.com



BOSCH
Invented for life

