

Driven by  
**AUTONOMY**



**BOSCH**

Invented for life



## Excellence for professionals

New standard for  
A/C units from Bosch





# The new ACS units range for R134a and R1234yf: Bosch's A/C solutions to simplify day-to-day business for your workshop



With its new ACS units range, Bosch makes the maintenance operations of the AC R134a and R1234yf systems easier and more efficient. These ACS units integrate all maintenance functions, whether routine or extraordinary. All functions are easily controlled and managed by the operator, thanks to an innovative graphical user interface (7" wide colour display) placed on a swiveling control console and a smartphone app allowing the user to check the ACS equipment status in real time. Contextual shortcut help messages support and guide the user through the operations.

Focusing on user centric workshop solutions the unit was designed based on a modular approach providing also easy access to internal components. This reduces the need for maintenance service as well as service time. The innovative and exclusive 'Deep Recovery' function makes refrigerant recovery fast and efficient and allows the operator to recover 99% of the refrigerant from the vehicle. Thanks to the dual-stage vacuum pump, with the highest flow rate of the equipment market (170 l / min), you achieve faster and, most of all, deeper dehydration of the A/C system. Reliability and precision of charge ( $\pm 15$  grammes) of the refrigerant is assured by an integrated system of temperature and pressure control. The danger of crosscontamination (PAG / POE) of lubricants is avoided thanks to the independent oil injection system, user-fillable sealed bottles and the flushing cycle of the service hoses, which is automated at every oil change.



Design-for-service guarantees quick and easy access to internal components



Embedded and automatic leak test with  $N_2H_2/N_2$

Flushing kit approved by car manufacturers

## ACS 863 / ACS 763

The best in class in R1234yf air conditioning service units

R1234yf completely fully automatic service units meet the highest requirements for servicing air conditioning units in cars and commercial vehicles. Compatible with hybrid A/C systems meeting German car manufacturer specifications, SAE and European standards.

- ▶ Embedded refrigerant identifier (ACS 863)
- ▶ 99 % recovery rate (Deep Recovery)
- ▶ Mobile app
- ▶ N<sub>2</sub>H<sub>2</sub>/N<sub>2</sub> leak test embedded



**Order number ACS 863: SP00000112**  
**ACS 763: SP00000113**

## ACS 753

The new reference for R134a air conditioning service units

R134a completely fully automatic unit meets the highest requirements for servicing air conditioning units in cars and commercial vehicles. Compatible with hybrid A/C systems meeting the SAE J2788 and European standards.

- ▶ 99 % recovery rate (Deep Recovery)
- ▶ Mobile app
- ▶ N<sub>2</sub>H<sub>2</sub>/N<sub>2</sub> leak test embedded

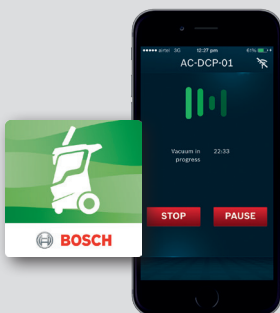


**Order number ACS 753: SP00000110**

## Benefits for your workshop at a glance

- ▶ Swivelling control console ensures optimal human interface experience
- ▶ Design-for-service for the easiest and most effective ACS internal maintenance
- ▶ Smartphone app enables remote communication of ACS unit at your fingertips
- ▶ Integrated leak detection system for inert gas (NO<sub>x</sub>, nitrogen, formiergas)
- ▶ Deep Recovery function allows full emptying of the MAC system
- ▶ Innovative oil bottle system suitable for vehicles with combustion engines and hybrid vehicles (PAG/POE)
- ▶ Developed based on customer experience using ACS units, resulting in a product with the perfect balance between robustness and manoeuvrability

AC remote control through mobile app



Embedded database shared with Bosch Connected Repair and Asanetwork wireless SW connection



Coming soon:  
Easy access to remote service assistance



Select between fully automatic service mode or single service mode

Innovative oil injection system with refillable sealed bottled designed for both e-vehicle and conventional AC systems

No manual valves

Refrigerant identifier quickly checks refrigerant purity

Embedded printer

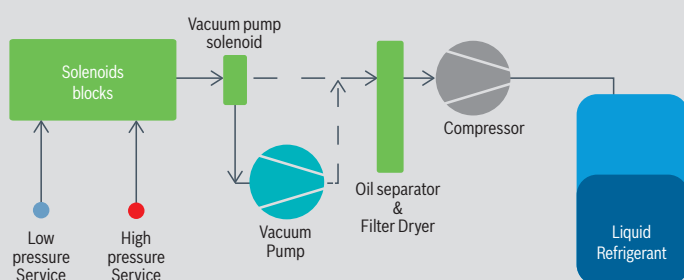
Premium accuracy: 15 grammes charge accuracy

Designed according to German car manufacturers, SAE and European standards ensuring correct and environmentally friendly handling of refrigerant

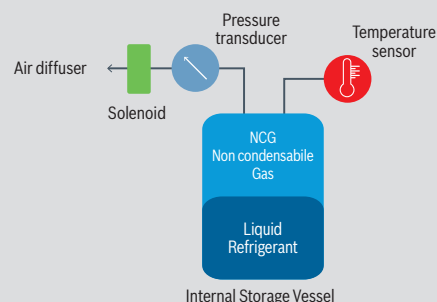
Optimal refrigerant tank size (22 l) provides the best balance between charging performance, flushing and dead space



Deep recovery (US patent) and vacuum functions (170l/min)



Automatic purge of non-condensable gas with electronic control



# ACS 863, ACS 763 und ACS 753

## Technical data, primary functions

Functions	ACS 863	ACS 763	ACS 753
Operating mode	Fully automatic and single function	Fully automatic and single function	Fully automatic and single function
Refrigerant	R1234yf	R1234yf	R1234yf or R134a
Refrigerant recovery	Automatic	Automatic	Automatic
Recovery accuracy / performance	> 99 %	> 99 %	> 99 %
Refrigerant analysis	Embedded	Optional	Optional
Oil recovery	Automatic with electronic scale	Automatic with electronic scale	Automatic with electronic scale
Vacuum	Automatic	Automatic	Automatic
Leak test	Automatic	Automatic	Automatic
Oil injection	Automatic with electronic scale PAG / POE injection	Automatic with electronic scale PAG / POE injection	Automatic with electronic scale PAG / POE injection
UV dye injection	Yes, automatic	Yes, automatic	Yes, automatic
Refrigerant charge	Automatic with electronic scale	Automatic with electronic scale	Automatic with electronic scale.
Refrigerant charge accuracy	± 15 g	± 15 g	± 15 g
Flushing function	Available with optional kit	Available with optional kit	Available with optional kit
Printer	Embedded	Embedded	Embedded
Air purge system	Automatic, electronic control	Automatic, electronic control	Automatic, electronic control
A/C hybrid system compatibility	Yes	Yes	Yes
A/C system database	Embedded	Embedded	Embedded
User database	Yes	Yes	Yes
A/C system performance test	Yes	Yes	Yes
Inert gases leak detection (N <sub>2</sub> , H <sub>2</sub> , N <sub>2</sub> , Nox, ...) function	Yes	Yes	Yes
Wireless workshop network connection	Asanetwork Bosch Connected Repair	Asanetwork Bosch Connected Repair	Asanetwork Bosch Connected Repair
Remote control from mobile	Yes	Yes	Yes
Features	ACS 863	ACS 763	ACS 753
HP & LP panel valves	None	None	None
HP & LP pressure gauges	Yes, pulse-free	Yes, pulse-free	Yes, pulse-free
Internal tank pressure gauge	Digital	Digital	Digital
Service hoses and couplers	2.5 m (extension: optional)	2.5 m (extension: optional)	2.5 m (extension: optional)
Display	Colour display 7" (800 x 480 pixels) Colour depth 16 M	Colour display 7" (800 x 480 pixels) Colour depth 16 M	Colour display 7" (800 x 480 pixels) Colour depth 16 M
Compressor	1/4 HP	1/4 HP	1/4 HP
Vacuum pump	Dual stage 170 l/min	Dual Stage 170 l/min	Dual Stage 170 l/min
Refrigerant tank capacity	19.4 kg (usable)	17.4 kg (usable)	17.4 kg (usable)
IN oil tank	2 x 250 ml (Sealed bottles)	2 x 250 ml (Sealed bottles)	2 x 250 ml (Sealed bottles)
OUT oil tank	1 x 250 ml	1 x 250 ml	1 x 250 ml
UV tank	1 x 250 ml (Sealed bottles)	1 x 250 ml (Sealed bottles)	1 x 250 ml (Sealed bottles)
Inert gases leak detection (N <sub>2</sub> , H <sub>2</sub> , N <sub>2</sub> , Nox, ...) kit	Optional	Optional	Optional
Wireless kit - dongle	Included	Included	Included
Environment	ACS 863	ACS 763	ACS 753
Operating Temperature	+10 °C / + 50 °C	+10 °C / + 50 °C	+10 °C / + 50 °C
Storage and Transport Temperature	-20 °C / + 60 °C	-20 °C / + 60 °C	-20 °C / + 60 °C
Power Supply	230 V 50/60 Hz	230 V 50/60 Hz	230 V 50/60 Hz
Power	< 1100 W	< 1100 W	< 1100 W

# Driven by Efficiency

Bosch technologies are used worldwide in almost all vehicles. People, and assuring their mobility, is what we are focused on.

Therefore, we have dedicated the last 125 years of pioneering spirit and expertise in research and manufacturing to achieving this.

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

- ▶ Solutions for efficient vehicle repairs
- ▶ Innovative workshop equipment and software
- ▶ The world's most comprehensive range of new and replacement parts
- ▶ Large network of wholesale customers, for quick and reliable parts supply
- ▶ Competent hotline support
- ▶ Comprehensive educational and training offers
- ▶ Targeted sales and marketing support

Find out more at:  
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drives us**

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