

# KOOLKARE



## AIR CONDITIONING SERVICE EQUIPMENT

THE STANDARD IN INFORMATION AND DIAGNOSTICS SYSTEMS





# BLIZZARD QTECH IV



### A future-oriented user experience

QTECH IV is the new model designed for different types of refrigerants. Future-oriented standard features, WI-FI connectivity and premium quality components make QTECH IV an ambassador among most modern A/C service stations.

Fully automatic A/C service station for recovery, recycling and recharging of different types of refrigerants. The innovative and exclusive solution allows to set the R134a or HFO1234yf gas directly during activation in the workshop.

The QTECH IV is the most modern expression of our competences. The most important features are standard, from the WI-FI connectivity, the very clean and safe hybrid function and pressure test with forming gas or nitrogen.

Menu navigation is intuitive, professional, designed for an easy and rapid work with the machine. The 7" color touchscreen offers a very special user experience.

The unit can handle the hermetic oil and dye cartridges, as well as the hermetic and refillable containers.

With its advanced technology based on an innovative solenoid valve system, QTECH IV consumes less than 20% energy, compared to the previous models.

The upgrade with the Gas Analyser detects the different components of refrigerant, and the result provides information about their percentages. Further, this innovative solution offers the benefit of an external Analyser (no contamination of the A/C Station) without taking up any external space.

The futuristic design conceived by a designer expert in the motorcycle industry was applied to the machine's features by exploiting information provided by several workshops. The result is easy serviceability: less than 30" to open the revolving control panel and less than 2 minutes to remove both plastic covers and access all the internal components.

Further, QTECH IV grants excellent maneuverability as a result of the considerable axial distance between the two wheels. User-friendly features: pressure gauges and touch screen are perfectly inclined for excellent ergonomics.

### Standard



7" color touch screen



Hermetic containers



Hermetic and refillable containers



Connectivity WI-FI



Nitrogen



Hybrid



Status light

### Option



Gas analyser HFO or R134a



Flushing kit

# BREEZE IV



### The easy solution for tomorrow's workshop

BREEZE IV is the new model designed for different types of refrigerants. Future-oriented and premium quality components make BREEZE IV the most valuable A/C service station.

Fully automatic A/C service station for recovery, recycling and recharging of different types of refrigerants.

The innovative and exclusive solution allows to set the R134a or the HFO1234yf gas directly during activation in the workshop.

BREEZE IV offers outstanding "value for money" as it is very easy to use with its 4,3" touch screen display. With its modular features, the machine can be configured to meet the most specific needs.

The upgrade with the Gas Analyser detects the different components of the refrigerant, and the result provides information about their percentages. Further, this innovative solution offers the benefit of an external Analyser (no contamination of the A/C Station) without taking up any external space; Hybrid Kit and WI-FI connectivity complete the optional key points of this machine.

The C.A.R. method (Compressor Assisted Recharge) allows fast and accurate gas charging also in high temperature conditions. With the advanced technology based on an innovative solenoid valve system, BREEZE IV consumes 20% less energy than the previous models.

The futuristic design conceived by a designer expert in the motorcycle industry was applied to the machine's features by exploiting information provided by several workshops.

Easy serviceability: less than 30" to open the revolving control panel and less than 2 minutes to remove both plastic covers and access all the internal components. Further, BREEZE IV grants excellent maneuverability as a result of the considerable axial distance between the two wheels. User-friendly features: pressure gauges and touch screen are perfectly inclined for excellent ergonomics.

### Standard



4,3" Touchscreen



Standard containers

### Option



Connectivity WI-FI



Flushing kit



Printer



Gas analyser HFO or R134a



Kit hybrid



Hermetic containers



# DUAL GAS 12



## The total dual solution

*The NEW best expression of the technological and functional competences of SUN.*

Two devices in one for a simple, fast, clean and safe climate service on R134a and HFO1234yf systems.

Fully automatic A/C service station for recovery, recycling and recharging with the refrigerants R134a and HFO1234yf. Two different circuits and separated components for each gas ensure the purity of the refrigerant.

Machine operation is very intuitive and user-friendly via a 7" color touchscreen display. The navigation menu is special for its user-friendly features, and guides even inexperienced users safely through the professional air conditioning service.

All associated SUN features are standard, from the very clean and safe hybrid function, the pressure test with forming gas or nitrogen, automatic compensation of the service hose length and the hermetic and refillable containers.

Flexibility and upgrade options with HFO1234yf gas analyser are designed to protect the machine from contaminated refrigerants. The workshop-oriented design is user-friendly, space saving and enables easy handling in the workshop, thus making machine maintenance very easy. The high quality materials ensure resistance to kicks and impact.

DUAL GAS 12 is the special solution proposed by SUN for both current and future workshops. The fully equipped A/C service station offers solutions for safe and professional service with the refrigerant HFO1234yf and R134a.

With its advanced technology based on an innovative solenoid valve system, Dual Gas 12 consumes less than 20% energy compared to the previous model. Future oriented WIFI Connectivity is standard.

## Standard



7" Colour touch screen



4 Separate lines



Hybrid



Nitrogen



Connectivity WI-FI



Scale Lock

## Option



Gas analyzer



Flushing kit



Transformer

# HD-S



## The power performer for big A/C systems

*HD-S follows increased capacities, which are necessary for use on buses and trains.*

SUN' special product for refrigerant R134a. Performance parameters for HD-S comply with the increased capacities required for services on big A/C systems, such as buses and trains.

Fully automatic A/C service station for recovery, recycling and recharging with refrigerant R134a on very large A/C systems, such as those installed in buses and trains. The high refrigerant recovery rate ensures a crucial contribution to present day environmental protection.

The special refrigerant high pressure gear pump, with a capacity of 1 kg/min flow rate in the liquid phase, provides a quick refrigerant charge, and along with the large 40 L refrigerant storage tank and 6 m service hoses, it makes working on very large A/C systems easy and fast.

The alphanumeric display guides the operator easily through the logical and professional menu navigation. The pressure test with forming gas or nitrogen is a standard feature that provides an ecological method for leak detection.

Another important feature is the discharge of "non-condensable" gases from the internal tank, which takes place automatically.

The workshop-oriented design is user-friendly and space saving. It enables easy handling in the workshop, thus facilitating maintenance work on the machine. The high quality materials make this high-end A/C service station resistant to kicks and impact.

## Standard



Gear pump



Nitrogen



USB - port



TECHNICAL DATA

	BLIZZARD QTECH IV	BREEZE IV	DUAL GAS 12	HD-S
Type of refrigerant	HF01234yf or R134a	HF01234yf or R134a	R134a and HF01234yf	R134a
Voltage	220-240V 50/60 Hz	220-240V 50/60 Hz	220-240v 50 Hz	220-240v 50/60 Hz
Vacuum pump	100 l/min, vacuum level 0,1 mbar	51 l/min, vacuum level 0,2 mbar	100 l/min, vacuum level 0,1 mbar	170 l/min, vacuum level 0,1 mbar
Sealed compressor	1/3 HP	1/3 HP	2 x 1/3 HP	21 cc
Recovery speed	300 g/min in liquid phase	300 g/min in liquid phase	300 g/min in liquid phase	300 g/min in liquid phase
Scale resolution	10 gr	10 gr	10 gr	10 gr
Oil scale resolution	5 gr	-	5 gr	5 gr
Working temperature range	11/49 °C	11/49 °C	11/49 °C	11/49 °C
Filter system	1 filter for humidity	1 filter for humidity	2 filters for humidity	2 filters for humidity
Refrigerant tank	12 liters refillable	12 liters refillable	2x12 liters refillable	40 liters refillable
Hoses	3 meters	3 meters	2 pairs, 3 meters each	6 meters
Service valves	Automatic	Manual	Automatic	Manual
Display	7" color touchscreen	4,3" color touchscreen	7" color touchscreen	LCD alphanumeric mm 146 x 82,5
Connectivity WI-FI	Standard	Option	Standard	Not available
Hybrid function / electrically driven compressors	Standard	Option	Standard	Not available
Pressure test forming gas / nitrogen	Standard	Not available	Standard	Standard
Gas identifier / Gas Analyser	Option, Analyser	Option, Analyser	Option, Analyser	Not available
Flushing kit	Option	Option	Option	Not available
Status light	Standard	Not available	Not available	Not available
Bottle heater	Standard	Not available	Standard	Not available
Thermal printer	Standard	Option	Standard	Standard
A/C diagnosis	Standard (R134a)	Standard (R134a)	Not available	Not available
Hermetic and refillable containers for oil and dye	Standard 2 + 1	Not available	Standard 2 + 2	Not available
Hermetic disposable containers for oil and dye	Standard 2 + 1	Option 1	Option	Not available
Refillable standard containers for oil and dye	Not available	Standard 1	Not available	Standard 1+ 1
Airpurge	Automatic	Manual	Automatic	Automatic
Dimension / weight	cm 67 x 68 x 108, 77 kg	cm 67 x 68 x 108, 63 kg	cm 67 x 62 x 107, 122 kg	cm 80 x 84 x 115, 127 kg
Dimension / weight with packaging	cm 71 x 74 x 125, 95 kg	cm 71 x 74 x 125, 81 kg	cm 91 x 72 x 126, 132 kg	cm 91 x 91 x 126, 137 kg





[sun-workshopsolutions.com](http://sun-workshopsolutions.com)

**EMEA-JA**

Snap-on Equipment s.r.l.  
Via Prov. Carpi, 33 - 42015  
Correggio (RE)  
Phone: +39 0522 733-411  
Fax: +39 0522 733-479

**Austria**

Snap-on Equipment Austria GmbH  
Hauptstrasse 24/Top 14  
A-2880 St. Corona/Wechsel (RE)  
Phone: +43 1 865 97 84  
Fax: +43 1 865 97 84 29

**France**

Snap-on Equipment France  
ZA du Vert Galant - 15, rue de la  
Guivernone BP 97175  
Saint-Ouen-l'Aumône - 95056  
Cergy-Pontoise CEDEX  
Phone: +33 134 48 58-78  
Fax: +33 134 48 58-70

**Germany**

Snap-on Equipment GmbH  
Konrad-Zuse-Straße 1 - 84579  
Unterneukirchen  
Phone: +49 8634 622-0  
Fax: +49 8634 5501

**Italy**

Snap-on Equipment s.r.l.  
Via Prov. Carpi, 33 - 42015  
Correggio (RE)  
Phone: +39 0522 733-411  
Fax: +39 0522 733-410

**United Kingdom**

Snap-on Equipment Ltd.  
Unit 17 Denney Road, King's  
Lynn - Norfolk PE30 4HG  
Phone: +44 118 929-6811  
Fax: +44 118 966-4369

