



KOOLKARE

CAR & COMMERCIAL AIR CONDITIONING SERVICE SOLUTIONS

THE STANDARD IN INFORMATION, EQUIPMENT AND DIAGNOSTICS SYSTEMS

www.snapon.co.za/diagnostics

KOOLKARE

INTRODUCTION



The new KoolKare vehicle air conditioning service equipment range meets all the needs of the modern workshop in dealing with the sophisticated air conditioning and climate control systems of today's modern vehicles with refrigerants R134a or the new HFO-1234yf. The range comprises of single gas units for both refrigerants or the Dual Gas unit which can operate with both refrigerants.

With easy-to-use controls and user-friendly software, technicians are taken through a step by step sequence of service functions, to complete a

professional and comprehensive service for your customer. KoolKare delivers profitable, productive solutions for today's competitive market.

So no matter if your customer is new to working with vehicle air conditioning systems, or is an experienced workshop looking to move up to the next level of service technology, KoolKare is the solution.

Finance options available through

Snapfin

Snapfin is the finance division of Snap-on Africa (Pty) Ltd.
A registered Credit Provider (NCRCO606).

Snap-on[®]
DiagnosTics

Helpline:
0861 762 763
diagnostics@snapon.co.za
www.snapon.co.za

OTHER EQUIPMENT AVAILABLE



Diagnostic Equipment



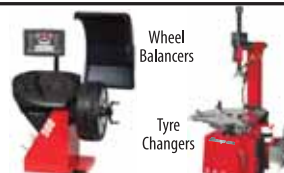
Emissions



Battery Service



Brake & Clutch



Wheel Service



Digital Videoscopes



KOOLKARE DUAL GAS UNIT

PRODUCT SPECIFICATION

We are pleased to announce the introduction of the fully automatic KoolKare Dual gas-station for recovering, recycling and recharging R134a and R1234YF refrigerants.

Whether it's the ability of being able to handle both refrigerants on 2 separate lines or it's high resolution colour touch screen display and user friendly software the KoolKare Dual gas unit provides the ideal solution for today's needs.

The KoolKare Dual Gas service equipment, meets all the needs of the modern workshop in dealing with the sophisticated air conditioning and climate control systems of today's modern vehicles. It will provide a complete, professional and comprehensive service for your customer.

KoolKare delivers profitable, productive solutions for today's competitive market.

So no matter if you are new to working with vehicle air conditioning systems, or you work in an experienced workshop looking to move up to the next level of service technology, KoolKare is the solution. The unit includes collapsible and fully sealed oil and dye bottles, to stop moisture being absorbed into the oil / dye, you can also see at a glance if the levels are getting low and there is no danger of any accidental spillages. The unit includes two 12L refrigerant cylinders allowing you to service the many vehicles that come through your workshop.

Key Features & Benefits

For use on R134a and HFO 1234yf units

- Protection against cross-contamination due to the separate refrigerant circuits for the 2 gases
- Fast change-over from one gas to another
- Economical benefits of having just one machine for 2 refrigerants
- Compact design, 2-in-1 A/C station
- Large 7" colour display with touch-screen icon messaging for easy use
- Separate pressure gauges (Class 1) for both refrigerants
- Automatic taps – on high and low pressure lines for simpler and more practical use
- Refrigerant Identifier ready (can only be applicable to one refrigerant)
- Individual service hoses and couplers for both gases
- 4 separate lines for oil & dye
- Hermetic refillable Oil & Dye containers
- 2 compressors
- Easy filter replacement
- Hybrid Function – flushing of station and service hoses for use with vehicles equipped with electric compressors
- Nitrogen Leak Check function
- High capacity fan / air exhaust



KOOLKARE BLIZZARD HFO

PRODUCT SPECIFICATION

The Sun Blizzard HFO is the most comprehensive model of the Koolkare range that allows you to recover and recycle R1234YF refrigerant. This latest model has been completely redesigned with the Technician in mind, with the aim of making the entire process as simple as possible.

The Blizzard HFO is a fully automatic recovery and recycling unit with automatic taps which allows you to simply set up the aircon recycle procedure and then leave it to run, freeing up the technician to get on with other jobs in the workshop.

The unit meets and exceeds all world-wide standards for refrigerant management procedures*, including a Nitrogen leak check procedure – which complies with F Gas regulations for leak checks. A 5" high resolution colour display has been added to take you step by step through the entire procedure.

Larger 100 mm gauges have been added to the front, with visual indicators marking the gauges to ensure you can easily see what is happening and a colour coded light system has been introduced so that even at the other end of your garage a simple glance will let you know what is happening.

BLUE (STEADY):	– Machine in stand by
GREEN (STEADY):	– Procedure running
GREEN (FLASHING):	– Procedure completed
YELLOW (FLASHING):	– Warning message
RED (FLASHING):	– Alarm message



The Koolkare Blizzard HFO also includes as standard the KoolKlean purification system. The Koolklean system leaves the car smelling fresh by eliminating the bacteria that causes bad odours. Yet another way for a workshop to satisfy the needs of the vehicle owner. The Koolklean purification cycle can be set to be carried out at the same time as the AC recovery and recharge system, or can be carried out as a separate operation on its own. Allowing garages the flexibility to be able to offer

the purification process as a separate service to your customers.

And after all that the Koolkare Blizzard HFO can now service HD11 oil (Hybrid cars).



Key Features & Benefits

KoolKare Blizzard Pro and Blizzard HFO have the same functions like the standard unit above plus the following fully integrated functions:

- Software for automatic nitrogen leak check
- Larger (100mm) pressure gauges
- Status indicator light
- KoolKlean III internal/external disinfection
- Refrigerant identifier ready
- Hybrid function

KOOLKARE BLIZZARD PRO

PRODUCT SPECIFICATION

The Sun Blizzard PRO is the most popular model in the KoolKare range. This latest model has been completely redesigned with the Technician in mind, with the aim of making the entire process as simple as possible.

The Blizzard PRO is a fully automatic recovery and recycling unit with automatic taps which allows you to simply set up the aircon recycle procedure and then leave it to run, freeing up the technician to get on with other jobs in the workshop.

The unit meets and exceeds all world-wide standards for refrigerant management procedures*, including a Nitrogen leak check procedure – which complies with F Gas regulations for leak checks. A 5" high resolution colour display has been added to take you step by step through the entire procedure.

Larger 100 mm gauges have been added to the front, with visual indicators marking the gauges to ensure you can easily see what is happening and a colour coded light system has been introduced so that even at the other end of your garage a simple glance will let you know what is happening.

BLUE (STEADY):	– Machine in stand by
GREEN (STEADY):	– Procedure running
GREEN (FLASHING):	– Procedure completed
YELLOW (FLASHING):	– Warning message
RED (FLASHING):	– Alarm message



The Koolkare Blizzard PRO also includes as standard the KoolKlean purification system. The Koolklean system leaves the car smelling fresh by eliminating the bacteria that causes bad odours. Yet another way for a workshop to satisfy the needs of the vehicle owner. The Koolklean purification cycle can be set to be carried out at the same time as the AC recovery and recharge system, or can be carried out as a separate operation on its own. Allowing garages the flexibility to be able to offer the purification process as a separate service to your customers.

The unit comes with a comprehensive vehicle database, but also allows you to add any new vehicles you might come across. And after all that the Koolkare Blizzard PRO can now service HD11 oil (Hybrid cars).

A refrigerant identifier is now also available to be added to this unit. The identifier is controlled by the AC station itself and will not allow contaminated refrigerant or other non-approved refrigerants to be recovered. If a contaminant is detected the identifier will automatically stop the service.



Key Features & Benefits

KoolKare Blizzard Pro and Blizzard HFO have the same functions like the standard unit above plus the following fully integrated functions:

- Software for automatic nitrogen leak check
- Larger (100mm) pressure gauges
- Status indicator light
- KoolKlean III internal/external disinfection
- Refrigerant identifier ready
- Hybrid function

KOOLKARE BLIZZARD

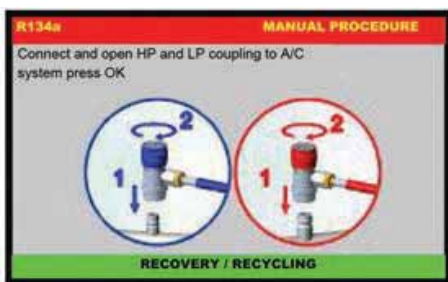
PRODUCT SPECIFICATION

The Sun Blizzard is one of the most comprehensive units in the KoolKare range. This latest model has been completely redesigned with the Technician in mind, with the aim of making the entire process as simple as possible.

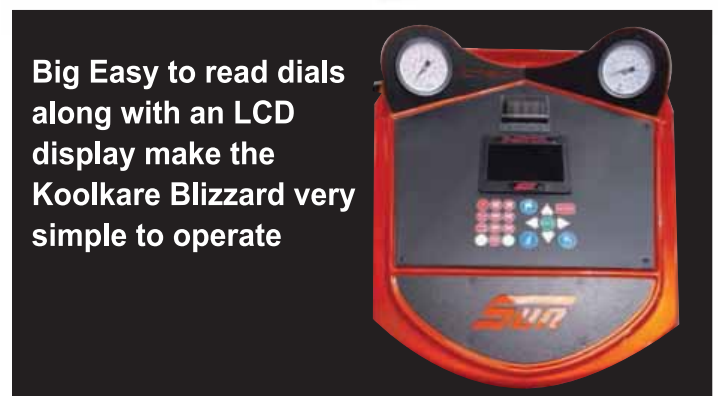
The Blizzard is a fully automatic recovery and recycling unit with automatic taps which allows you to simply set up the aircon recycle procedure and then leave it to run, freeing up the technician to get on with other jobs in the workshop.

A 5" high resolution colour display has been added to take you step by step through the entire procedure.

The unit comes with a comprehensive vehicle database, but also allows you to add any new vehicles you might come across.



Easy to read display guides the user through the entire process



Big Easy to read dials along with an LCD display make the Koolkare Blizzard very simple to operate

Key Features & Benefits

- Fully automatic model
- Automatic taps
- Customised design with integral tool tray
- Easy-to-read gauges and high-resolution colour graphic display
- Customisable procedure button
- Comprehensive vehicle database incl. trucks, with manual input for new vehicles
- Large 22-litre refrigerant cylinder
- SAE2788 compliant (automatic air purge, 95% gas recovery, +/- 15 g accuracy)
- Refrigerant management with operator code
- Hermetic & refillable oil \ dye containers
- USB communications port
- USB software \ database upload
- 100-l/min vacuum pump
- 40-bar high-pressure gauge
- Special software routine for cartridge change
- Improved serviceability

TRUCK AND BUS AC UNIT

PRODUCT SPECIFICATION

The Sun KoolKare HD is a fully automatic single-gas station for recovering, recycling, and recharging high capacity systems with R134 refrigerant, for use with Truck, coaches, agricultural and industrial vehicles.

In-built pump, to pump the liquid refrigerant back into the vehicle for a quick and effortless charging cycle.

Automatic Functions

- Recovery
- Vacuum
- Oil reintegration
- Oil discharge
- Tracer
- Gas charging

Key Features & Benefits

- Large internal tank 40L
- 21cc high-capacity compressor
- 170 l/min vacuum pump
- Gear pump 1kg/min for gas charging
- 6-metre service hoses (rear position)
- Fully automatic cycle
- Automatic leak check during vacuum
- Automatic discharge of non-condensable gas
- Advance Vehicle and truck data base
- USB port for SW updates
- Automatic dye injection



ACCESSORIES

Optional Accessory Kits



EAK0234N25A - R134a
EAK0234N26A - HFO
EAK0234N27A - Dual Gas

Gas Refrigerant Identifiers



Stand-Alone Unit

NEURI2012P - R134a & HFO
(Unit includes printer)



Bolt-on to Koolkare Aircon Units

EAK0234N28A - R134a
EAK0234N29A - HFO

Flushing Kits



EAK0234N30A - R134a
EAK0234N31A - HFO

KOOLKARE FAMILY FEATURES & TECHNICAL DETAILS

The Koolkare family offers a range of air con machines that are designed to meet the differing needs of all types of workshops. The tables below show you all the great features from the range and will help you decide which unit is right for your workshop.

Product Features	Dual Gas Unit	Blizzard HFO	Blizzard PRO	Blizzard	Truck & Bus
Semi or fully automatic model	Fully Automatic	Fully Automatic/ manual	Fully Automatic/ manual	Fully Automatic/ manual	Fully Automatic/ manual
Air Purge Feature	Automatic air purge	Automatic air purge	Automatic air purge	Automatic air purge	Automatic air purge
Filters	2 (1 for each refrigerant)	1	1	1	2
Refillable Hermetic Oil Bottle (PAG46)	Yes	Yes	Yes	Yes	No
Oil Change Procedure	Yes	Yes	Yes	Yes	No
Hybrid Function Feature	Yes	Yes	Yes	No	No
Vehicle Database Feature	Yes (R134 vehicle only)	N/A	Advanced/manual input for New Models & Truck	Advanced/manual input for New Models & Truck	Advanced/manual input for New Models & Truck
Automatic Vacuum Leak Check Feature	Yes	Yes	Yes	Yes	Yes
Refrigerant Management complies with F gas regulations on keeping records of gas use in and out	Yes	Yes	Yes	Yes	Yes
Nitrogen Leak Check Procedure	Yes	Yes	Yes	No	No
KoolKlean System	No	Yes	Yes	No	No
Flushing Operation (with Optional Flushing Kit)	Yes	Yes	Yes	Yes	Yes
Oil Change Procedure	Yes	Yes	Yes	Yes	No

Technical Specifications	Dual Gas Unit	Blizzard HFO	Blizzard PRO	Blizzard	Truck& Bus
Type of Refrigerant	R134a and R1234yf	R1234yf	R134a	R134a	R134a
Voltage	220–240v / 50–60	220–240v / 50–60	220–240v / 50–60	220–240v / 50–60	220–240v / 50–60
	Hz AC	Hz AC	Hz AC	Hz AC	Hz AC
Scale Resolution	+/-15g	+/-15g	+/-15g	+/-15g	+/-15g
Heated Cylinder	Yes	Yes	Yes	Yes	No
Working Temperature Range	11 – 49°C	11 – 49°C	11 – 49°C	11 – 49°C	11 – 49°C
Vacuum Pump Capacity	100 l/min rated capacity 0.2 mbar vacuum level	100 l/min rated capacity 0.1 mbar vacuum level	100 l/min rated capacity 0.1mbar vacuum level	100 l/min rated capacity 0.1 mbar vacuum level	170 l/min rated capacity 0.1 mbar vacuum level
Recovery/Refrigerant Cylinder Capacity Feature	2x 12L refillable	12L refillable	22L refillable	22L refillable	40L refillable
Display	7" Colour Graphic touch screen	5" Colour display	5" Colour display	5" Colour display	123 . 40 mm
Overall Size (W x D x H)	67. 62. 107 cm	60. 64. 110 cm	60. 64. 110 cm	60. 64. 110 cm	80 . 120 . 115 cm
Weight	110kg	90kg	90kg	90kg	140kg
Refillable Hermetic Dye Bottle	Yes	Yes	Yes	Yes	No
Service Hose Length	2 sets, 3 metres	3 metres	3 metres	3 metres	6 metres
Following SAE 2788	Yes	Yes	Yes	Yes	Yes
Class 1 Compliant Gauges	Yes	Yes	Yes	Yes	Yes
Onboard Printer	Yes	Yes	Yes	Yes	Yes
Model Numbers	EEACEU124C	EEACEU128A	EEACEU127A	EEACEU126A	EEACEU118B

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