

# KOOLKARE

DIAGNOSIS, MAINTENANCE AND REPAIR OF  
AIR CONDITIONING SYSTEMS



**ATF**  
**GEARKARE**

CLEANING AND OIL REPLACEMENT OF  
AUTOMATIC GEARBOXES

EN

## SERVICE EQUIPMENT

THE STANDARD IN INFORMATION AND DIAGNOSTICS SYSTEMS



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# HIGHLIGHTS

## Solutions, trends and technological standards

### REFRIGERANT CONFIGURATION

#### Practical for the dealer, a service for the workshop

The constant availability of the product and fast delivery are decisive in any logistic organization; a competitive advantage for the dealer and, for the workshop, a concrete reason for choosing a supplier. The most tangible exclusive result recently developed and patented by the Sun research and development team, is the possibility to supply "neutral" climate stations and decide the type of gas even at the last moment, thanks to the availability of different refrigerant kits.

The packaging of the station actually provides the space for the insertion of the R134a or HFO refrigerant activation kit.

### HYBRID

#### The integrated patented solution or aftermarket option

The "Observatory for electric mobility" of the European Commission confirms a growth trend of hybrid and electric cars over 30% per year that will reach in less than 20 years more than 50% of vehicles currently in circulation. These vehicles have the compressor driven by a high voltage electric motor. The specific oil must be insulating to ensure safety.

The use of non-insulating oil is dangerous for the operator. To remove all traces of non-insulating oil, the cleaning of service hoses and internal circuits is mandatory before recharging. The patented Sun system automatically carries out the washing of service hoses and internal ducts, thanks to the specific software and connectors integrated into the station. A closed-circuit washing cycle enables a high cleaning efficiency. In addition to the integrated system of the standard feature, an innovative aftermarket upgrade solution has been developed (BREEZE IV).

### "SAVING" BENEFIT: ACCURACY AND EFFICIENCY

#### The standard for recovery and filling control

Snap-on Climate Solutions has gained considerable experience in the commercialization of climate stations designed according to the most restrictive market standards such as the American SAE regulations. In order to constantly monitor the performance of the climate stations, the company has developed internal product standards in order to monitor the parameters of Recovery Efficiency and Refrigerant Filling Accuracy. Periodic tests are always performed under the same conditions in terms of climatic condition, measuring instruments and procedures.

Moreover, thanks to technological development and improvement, the company is able to obtain Efficiency and Accuracy values that exceed the results required by universally accepted standards. An example is the patented feature of the Vacuum Assist that has allowed to pass the homologation tests with ETL in the USA.

### REFRIGERANT ANALYSIS

#### Manage the risk of contamination

With the objective of improved environmental protection, the Regulation (EU) No 517/2014 establishes the reduction of refrigerants with a high global warming potential (GWP). Since January 1, 2017, vehicle A/C systems in many countries around the world must use refrigerants with GWP < 150. HFO1234yf gas is the most widely used solution with a GWP 350 times lower than its predecessor R134a.

Controls and limitations on the production, import and sale of R134a gas have been introduced. The graph shows the maximum allowed percentage of R134a and the price expectations of the two refrigerants. The price difference and supply difficulties can cause misuse of refrigerants and lead to contamination of the station.

Ensuring the purity of the refrigerant is critical to the proper management of Warranties, to avoid station decontamination and A/C system repair costs and to ensure the disposal of contaminated gas.

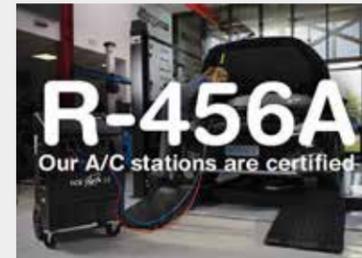
In the majority of Sun stations, a gas analyser can be installed.

The Gas Analyser represents a highly efficient solution with notable and distinctive advantages: the unit fits inside the station and does not take up external space, uses an external gas sample hose to exclude possible contamination of service hoses, detects the percentages of the different refrigerant components and is very easy to be installed in less than 20 minutes.

### 12 VOLT TECHNOLOGY

#### Safety and energy saving

The correct flow of the refrigerant or the oil and the control of pressures during the various phases of the A/C service are managed by the "manifold" through the opening and closing of valves at the proper time. While the processes are coordinated by the Software, the force to open and close the valves is generated by the coils through a magnetic field. The new standard provides their power supply at 12V, a tension that is independent of the voltage applied in the country of distribution. A worldwide solution that also allows intelligent control of the applied energy, lower power consumption, lower operating temperature, improved safety and longer life of the components.



### CONNECTIVITY

#### The dialogue between the workshop and the equipment

The digital world offers endless opportunities to integrate new solutions into the organization of the "connected workshop": an efficient and useful experience for the modern mechanic, aligned with undeletable online services and information systems help to increase the profitability of the workshop.

**Wi-Fi connection** as a standard or optional feature has been implemented in the latest Sun A/C Stations. First features included real-time A/C service status display on smartphones, tablets or PCs, station data such as available oil and gas, and exportable archive of performed services.

Most recent Software update implements an important step forward in Sun connectivity evolution and offers highly useful benefits to the workshop. Cloud AC-Service.24 offers new possibilities of data transmission. Following main benefits for the workshop are implemented on actual Premium Stations (ATF GEARKARE, QTECH IV, DUAL GAS 12).

#### Software over the air

The connected station is not only able to send information to the management system but also to receive information such as the database or software updates. This becomes a highly efficient solution for the workshop. In addition to the use of USB, the new Wi-Fi connectivity enables software- or database updates over the air.

#### Remote assistance and maintenance

In case technical assistance is required for ordinary or extraordinary maintenance or repair, the new dimension of data transmission allows remote data access. The After Sales Service can perform interventions as diagnosis, control and adjust parameters or correct calibration parameters on distance. This keeps after sales service fast and cost saving.

#### Certification new refrigerant R-456A

According to recent market trends, we are pleased to inform that our A/C stations are certified for the new R-456A refrigerant. R-456A refrigerant was developed as an alternative to R-134a and is a blend of HFO and HFC, composed of R32 + R1234ze + R134a (6% + 49% + 45%) The main advantages are both the lower cost and greater environmental protection due to the lower global warm potential (GWP) of 687 instead of 1,430.

#### Fact sheet SCS

- The actual range of Sun A/C Units are certified with R456A starting 2023July.
- Certified Units will have the R456A on the CE label.
- Being the R456A a drop-in refrigerant, ACS24 will manage the R134A refrigerant as usual with no addition or exception.
- All certified Units will be activated with R134A as usual.
- Units using R456A must be labelled appropriately under the owner responsibility.
- Units working with R456A cannot have the KIT.GAS option installed.
- Homologations of A/C system manufacturers must be verified by the owner.
- SCS will not recognize any responsibility for misuse or damage related to using R456A with Sun A/C Units.

#### Indication for distributors and workshops

- Any distributor and workshop is responsible to respect local regulation and legal obligations
- An already activated station working with R134a can be converted. Emptying, vacuum >20min, dryer filter substitution and labelling in prominent position are required.
- An A/C system charged with R456A has to be recognizable by a label in prominent position.
- Consumables as oils and dye compatible to HFO refrigerant are compatible to R-456A. Usually PAG46. SCS consumables range is compatible.
- Operating temperatures and pressures of R-456A are similar to R134a.
- Oil quantities recovered during a service are similar to R134a.

### VISUAL DIAGNOSIS

The DIAGNOSIS SIGHTGLASS is a perfect and quick solution to determine the quality of a refrigerant. The refrigerant flows through the transparent sight glass, allowing its quality to be observed and assessed: transparency indicates good quality, while the presence of tracer, impurities, residues or any moisture can also be checked.

The visual inspection of the refrigerant should be the first step in every air conditioning service.

The sight glass can be connected directly to the A/C system. After a vacuum has been created in the sight glass with the A/C Station ("T" adapter), the refrigerant of the running system flows and can thus be observed. Other possible uses are, of course, the observation during the recovery phase (sight glass between the system and the A/C Station), the quality control of new purchase of refrigerant or to ensure the result of a flushing process.

The kit includes: case, sightglass with „T“ adapter, HP and LP quick coupler, HP and LP service hoses 70 cm, instruction leaflet

### AC-SERVICE24

#### Global, fast and competent

Maximum attention to Customer Connection: at the company's headquarters, a team of experts with deep and extensive know-how is available with a fast, professional and competent customer service.

Moreover, with the online portal [www.ac-service24.com](http://www.ac-service24.com) Sun provides a 24-hour service to the mechanic: activation of the A/C station, technical information and documentation, updating of Software or Database, warranty management, spare parts list and Support Request/Troubleshooting/Problem- Solving.



# ECO2KARE

**POWERFUL  
ROBUST  
SAFE**

## Constant changing of automotive air conditioning systems

The technological development of vehicles aims to continuously improve safety, efficiency and environmental impact.

The most recent regulatory framework for vehicle cooling and heating systems, EU 517/2014, stipulated the reduction of refrigerants with a high global warming potential (GWP). Since 2017, vehicle air conditioning systems in many countries around the world must use refrigerants with a GWP <150. HFO1234yf gas with a GWP of 4 has become the popular solution with a GWP 350 times lower than its predecessor R134a with a GWP of 1.470.

## The environmentally friendly alternative

Some car manufacturers have followed also the environmentally friendly alternative of using carbon dioxide as a refrigerant and are installing these systems in some of their vehicle models. Carbon dioxide (R744) occurs naturally, is biodegradable and offers the best possible ecological result with a GWP of 1 (zero impact on ozone depletion).

Increased awareness of environmental protection, cost-effectiveness and the efficiency that can be achieved with the properties of R744 are further encouraging the use of R744 systems as a long-term and future-oriented solution in the premium vehicle sector.

## The Sun R744 solution

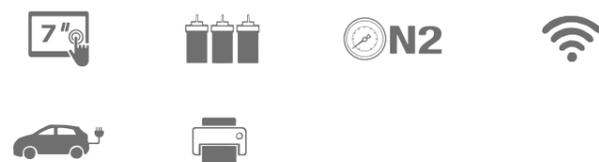
Sun presents the new ECO2KARE air conditioning service device for the growing workshop needs of specific maintenance and repair on R744 air conditioning systems.

The thermodynamics of R744 refrigerant differ fundamentally from the chemical refrigerants with new requirements for the air conditioning system itself and the necessary air conditioning service device. Particularly noteworthy are the very high pressures of up to 130 bar and additional safety precautions to avoid increased CO<sub>2</sub> concentrations in the vehicle or in the workshop's working environment.

ECO2KARE has been developed for the specific safety and high-pressure requirements of R744 air conditioning systems. The device is distinguished by high-quality and powerful components, future-oriented standard features and extremely intuitive user friendliness via the 7" touchscreen.



### Standard



## TOUCH THE FUTURE ORIENTED EXPERIENCE

ECO2KARE has been developed for the specific safety and high-pressure requirements of R744 air conditioning systems. The device is distinguished by high-quality and powerful components, future-oriented standard features and extremely intuitive user friendliness via the 7" touchscreen.

### Fully automatic air conditioning service unit for emptying, servicing and filling R744 air conditioning systems on car, truck and big systems as buses or trains

- Simple, fast and highly intuitive navigation on a 7" touchscreen with Linux operating system Navigation is extremely easy through images, icons, short texts and the virtual keyboard
- Ready for use in 15 seconds after switching on
- Absolutely safe: software guided processes include all necessary control instructions and constant monitoring of the CO<sub>2</sub> concentration in the atmosphere
- Integrated Hybrid feature for the flushing of service hoses and internal circuits. Indispensable for the safe service on systems with an electric compressor
- Very powerful 142 l/min double-stage vacuum pump keep the station suitable for big systems, too (trains, buses) and guarantees a highly efficient vacuum phase for drying the system, particularly important for CO<sub>2</sub> systems
- Max. operating pressure 170 bar
- Heating system with manual setting option for extended heating speeds up filling process and helps to save time
- Management of 3 high-quality, hermetic, refillable containers for compressor oil (1x PAG and 1x POE) and dye
- Automatic pressure test with nitrogen or hydrogen/nitrogen mixture
- 3 m service hoses for a smart connection to the vehicle (longer hoses possible)
- Large pressure gauges 100 mm
- Easy changing of R744 tanks of different sizes, protection cover and fastening with Swift safety belt
- Possible refrigerant bottles: gross weight of up to 50 kg and a diameter up to 21 cm.
- 2 Connection adapters: RAC8164 (W21, 7x1/14" - 1/4 SAE male), RAC8165 (W21, 8x1/14" - 1/4 SAE male)
- Quick plug-in connection for CO<sub>2</sub> discharge hose (PA12 8x10 mm)
- Efficient internal ventilation against icing of internal components
- Online update via USB interface or directly in Wi-Fi connection
- Generous storage compartment for accessories
- Very robust structure for best protection of the station
- Service-friendly and cost-effective due to low maintenance needs
- Environmentally friendly packaging made of wood and paper without the use of polystyrene



Status Light  
7" touchscreen  
Safety switch



Quick couplers  
SAE J639  
Hybrid function



Nitrogen  
pressure test



Strong Vacuum pump  
142 l / min double stage



Holder for  
storing the  
service hoses



Protection  
cover for  
external tank



Double scale  
lock easy to  
reach



Swift safety  
belt and  
bottle heater



3 hermetic refillable containers  
(1 x PAG, 1 x POE, 1 x dye)



Quick plug in  
connection for CO<sub>2</sub>  
discharge hose



Used oil  
container  
500 ml

# BLIZZARD QTECH IV



## A future-oriented user experience

QTECH IV is designed for different types of refrigerant. The standard features, Wi-Fi connectivity, gas analyser option and high-quality components make QTECH IV a benchmark among the most modern A/C charging stations.

### Fully automatic climate station for recovery, recycling and charging for R134a or HFO1234yf

- Configuration of the refrigerant during activation with the corresponding R134a or HFO kit
- Large 7" touch screen display for an easy, fast and intuitive navigation
- Energy-saving with 12-volt solenoid valve technology
- Built-in Hybrid feature for the flushing of service hoses and internal circuits. Indispensable for the service on systems with an electric compressor.
- Optional refrigerant analyser to detect % of refrigerant components tested: HFO1234yf, R134a, R22, HC hydrocarbons and air.
- Automatic test of the A/C system under pressure with nitrogen or hydrogen/nitrogen mixture
- Management of 2 oils and 1 tracer - both with hermetic containers that can be filled and with hermetic cartridges
- Automatic purging of non-condensable gases
- 2 large side pockets to comfortably accommodate even longer hoses
- Wi-Fi connection as standard
- Complete database including commercial and agricultural vehicles
- Status light

### Standard



### Option



# BREEZE IV



## The easy solution for tomorrow's workshop

BREEZE IV is designed for different types of refrigerant. BREEZE IV is characterised by innovative functions, simplicity and the high-quality standard of the components. The station offers high flexibility thanks to aftermarket upgrade possibilities. BREEZE IV, the easy station for the workshop.

### Fully automatic A/C charging station for recovery, recycling and charging for R134a or HFO1234yf

- Refrigerant configuration during activation with the relevant R134a or HFO kit
- Large 4.3" touch screen display for an easy, fast and intuitive navigation
- Energy-saving with 12-volt solenoid valve technology
- Optional Hybrid kit for flushing service hoses and internal circuits. Indispensable for the service on systems with an electric compressor.
- Automatic leakage control during the vacuum phase
- Optional refrigerant analyser for % detection of refrigerant components tested: HFO1234yf, R134a, R22, HC hydrocarbons and air.
- Oil management with both standard refillable containers and hermetic cartridges
- 2 large side pockets to comfortably accommodate even longer hoses
- Wi-Fi connection available on request
- Complete database including commercial and agricultural vehicles

### Standard



### Option



# DUAL GAS 12

## The total dual solution

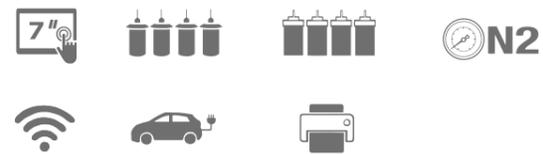
DUAL GAS 12 is the renovated expression of the functional and technological skills of the of the company. Two machines in one is the simple, fast and safe solution. DUAL GAS 12 is renewed by adopting some of the most successful modern technological standards.

Fully automatic A/C charging station for recovery, recycling and charging for R134a and HF01234yf

- Two independent circuits with specific components for each gas
- New 7" touch screen display for an easy, fast and intuitive navigation
- Energy-saving with 12-volt solenoid valve technology
- Built-in hybrid function for the flushing of service hoses and internal circuits. Indispensable for the service on systems with an electric compressor.
- Optional refrigerant analyser for % detection of refrigerant components tested: HF01234yf, R134a, R22, HC hydrocarbons and air.
- Automatic test of the A/C system under pressure with nitrogen or hydrogen/nitrogen mixture
- Management of 2 oils and 2 tracers, both with hermetic containers that can be filled and with hermetic cartridges
- Automatic purging of non-condensable gases
- Wi-Fi connection as standard
- Complete database also including commercial and agricultural vehicles
- Innovative and practical cylinder locking system from the outside
- 100V or 110V transformer available as an optional feature



### Standard



### Option



# HD-S

## The power performer for big A/C systems

Sun's special product for the refrigerant R134a. The technical characteristics of HD-S allow to manage large climate systems such as those of buses or trains

Fully automatic A/C charging station for recovery, recycling and charging for R134a

- Large capacity 40L internal cylinder
- 1kg/min gear pump for very fast refrigerant refilling
- 170L/min vacuum pump
- 21cc hermetic compressor
- 6m hoses
- Automatic test of the A/C system under pressure with nitrogen or hydrogen/nitrogen mixture
- Management of 1 oil and 1 tracer with standard refillable containers
- Automatic purging of non-condensable gases
- Complete database also including commercial and agricultural vehicles



### Standard



Drucktest



Zahnradpumpe

FEATURES	ECO2KARE	BLIZZARD QTECH IV
Type of refrigerant	R744	HFO1234yf or R134a
Refrigerant configuration	Not applicable	Standard
Display	7" colour touchscreen	7" colour touchscreen
Service valves	Automatic	Automatic
Thermal printer	Standard	Standard
Vacuum leak detection	Standard	Standard
Hybrid function / electrically driven compressors	Standard	Standard
Pressure test forming gas / nitrogen	Standard, max pressure 100 bar	Standard
Gas Analyser	Not applicable	Option
Flushing Kit	Not applicable	Option
Hermetic and refillable containers for oil and dye	Standard 2 + 1	Standard 2 + 1
Hermetic disposable containers for oil and dye	2 + 1	2 + 1
Refillable standard containers for oil and dye	Not available	Not available
Hoses	3 meters	3 meters
Quick couplers	SAE J639	Standard
Pressure gauges	100 ø mm	100 ø mm
Recharge method	CAR	CAR or automatic
CO2 measurement discharged	Standard	Not applicable
Safety Sensor environmental CO2 level	Standard	Not applicable
Non condensable gas purge	Not applicable	Automatic
Volt	220-240V 50/60 Hz (CE), 110V 60Hz (ETL)	220-240V 50/60 Hz
Vacuum pump	142 l/min double stage, 3Pa/0,03 mbar	100 l/min, vacuum level 0,1 mbar
Sealed compressor	Not applicable	1/3 HP
Recovery speed	Not applicable	300 g/min in liquid phase
Refrigerant tank	No internal tank. Scale max gross weight 50 kg	12 liters refillable
Bottle heater	Standard with setting option for extended heating	Standard
Tank Scale resolution	10 gr	10 gr
Oil scale resolution	5 gr	5 gr
Working temperature range	10/48° C	11/49° C
Filter system	Not applicable	1 filters for humidity, 100 kg
Status light	Standard	Standard
Data Base	Base+custom records	Car - Truck - Agri
Connectivity Wi-Fi	Standard	Standard
Dimension / weight	cm 67 x 88 x 110, 99 kg	67 x 68 x 108 cm - 77 kg
Dimension / weight with packaging	cm 73 x 110 x 135, 124 kg no double stacking	76 x 70 x 125 cm - 95 kg

BREEZE IV	DUAL GAS 12	HD-S
HFO1234yf or R134a	R134a and HFO1234yf	R134a
Standard	Not available	Not available
4,3" colour touchscreen	7" colour touchscreen	LCD alphanumeric 146 x 82,5 mm
Manual	Automatic	Manual
Standard	Standard	Standard
Standard	Standard	Standard
Option	Standard	Not available
Not available	Standard	Standard
Option	Option	Not available
Option	Option	Not available
Not available	Standard 2 + 2	Not available
Option 1	2 + 2	Not available
Standard 1	Not available	Standard 1 + 1
3 meters	2 pairs, 3 meters each	6 meters
Standard	Standard	Standard
80 ø mm	80 ø mm	80 ø mm
CAR	CAR or automatic	CAR
Not applicable	Not applicable	Not applicable
Not applicable	Not applicable	Not applicable
Manual	Automatic	Automatic
220-240V 50/60 Hz	220-240V 50/60 Hz	220-240V 50/60 Hz
51 l/min, vacuum level 0,2 mbar	100 l/min, vacuum level 0,1 mbar	170 l/min, vacuum level 0,1 mbar
1/3 HP	2 x 1/3 HP	21 cc
300 g/min in liquid phase	300 g/min in liquid phase	300 g/min in liquid phase
12 liters refillable	2 x 12 liters refillable	40 liters refillable
Not available	Standard	Not available
10 gr	10 gr	10 gr
5 gr	5 gr	5 gr
11/49° C	11/49° C	11/49° C
1 filters for humidity, 50 kg	2 filters for humidity, 100 kg	2 filters for humidity, 150 kg
Not available	Not available	Not available
Car - Truck - Agri	Car - Truck - Agri	Car - Truck - Agri
Option	Standard	Not available
67 x 68 x 108 cm - 63 kg	67 x 65 x 107 cm, 122 kg	80 x 84 x 115 cm - 127 kg
76 x 70 x 125 cm - 77 kg	76 x 70 x 125 cm, 135 kg	91 x 72 x 126 cm - 137 kg

# ACCESSORIES AND OPTIONS

## SAFE AND SUITABLE SOLUTIONS

A professional and comprehensive climate service in the automotive industry requires, in addition to the climate station, accessories, consumables, leakage control solutions and items for regular maintenance. In order to guarantee safe and suitable solutions in the field of climate service, Sun presents the following range of products and accessories.



**KIT.GAS (HFO1234yf)**  
Gas analyzer



**KIT.GAS (R134a)**  
Adapter for KIT.GAS



**Gas identifier**  
**XS180.000000 (HFO)**

Verifying the purity of the refrigerant before the climate service is very important because it avoids costs of decontamination of the station, repair of the A/C system and allows the regular disposal of the contaminated gas. The workshop protects the environment and avoids the risks of possible lawsuits. In most Sun stations, a gas analyzer or gas identifier can be installed.

- The gas identifier verifies the correct purity of the refrigerant with a "pass-fail" test (previous models)
- The gas analyzer also detects the percentages of the different refrigerant component (the whole actual range of stations with analyser option QTECH IV, BREEZE IV and DUAL GAS 12)

### KIT. Wi-Fi-N Wi-Fi connectivity eva

Aftermarket option for BREEZE IV. The Wi-Fi connection as a standard or optional feature has been implemented in the latest Sun climate stations.

Current features include real-time A/C service status display on smartphones, tablets or PCs, station data such as available oil and gas, and the exportable archive of services performed. Further features will be gradually implemented.



### KIT.HYBRID Kit Hybrid upgrade option for HFO1234yf and R134a

This After-Market option allows adding the Hybrid feature to those climate stations equipped with appropriate software (BREEZE IV).



### AEK006-2 Starter Kit

The top recommendation for AC compressor oils and leak detection with UV light.



### AEK102-N7-R5 Bypass adapter set

The set contains adapters needed to install a bypass of a removed component (e.g. compressor, expansion valve, filter) to the A/C system before cleaning with the Flushing Kit.



**CNT4012**  
40 L bottle  
per R134a  
R22  
R404a  
R507  
R407C



**AEK302**  
Electronic Scale  
100kg capacity



**AEK317**  
Double valve  
extractor screwdriver



**DB.AUTOAGRI**  
Data Base update  
for car, commercial,  
agricultural vehicles



**AEK120-E**  
Digital  
Thermometer



**KIT.STM**  
Thermal Printer Upgrade  
option (Breeze IV)



**IMB0011** Dust Cover  
(Breeze IV, QTech IV)  
**IMB0026** Dust Cover  
(DUAL GAS 12, HD-S)

### AEK232-2 Kit Diagnosis Sight Glass HFO AEK232-1 Kit Diagnosis Sight Glass R134a

The DIAGNOSIS SIGHTGLASS is a perfect and quick solution to determine the quality of a refrigerant. The refrigerant flows through the transparent sight glass, allowing its quality to be observed and assessed: transparency indicates good quality, while the presence of tracer, impurities, residues or any moisture can also be checked. The visual inspection of the refrigerant should be the first step in every air conditioning service. The sight glass can be connected directly to the A/C system. After a vacuum has been created in the sight glass with the A/C Station ("T" adapter), the refrigerant of the running system flows and can thus be observed. Other possible uses are, of course, the observation during the recovery phase (sight glass between the system and the A/C Station), the quality control of new purchase of refrigerant or to ensure the result of a flushing process. The kit includes: case, sightglass with „T" adapter, HP and LP quick coupler, HP and LP service hoses 70 cm, instruction leaflet



### AEK102-N21 Flushing Kit (neutral unit requires configuration with Kit HFO or Kit R134a) AEK102-N21-1 Kit HFO for Flushing Kit AEK102-N21 AEK102-N21-2 Kit R134a for Flushing Kit AEK102-N21

If the compressor or other components of a climate system break down, you must remove any possible residue that may be found in the system before reassembling the equipment. Many compressor manufacturers do not guarantee their new components unless the A/C system is cleaned before installation. The advantages of this flushing kit are:

- Environmentally friendly because no solvents are used but only refrigerant
- Very efficient cleaning thanks to the high washing speed obtained with the vacuum in the tank
- Patented universal adapters for creating bypasses
- The amount of refrigerant can be defined by the user (washing a component rather than a system)
- Time-saving and efficiency thanks to the fast process and fully automatic cycles



### XK185.000000 EASYREC PRO (HFO & R134a)

The mobile equipment for the complete extraction of different types of refrigerant from air conditioning systems (CFC, HCFC, HFC, fuel). With Easyrec Pro, a mobile scale (AEK302) and a recycling tank, contaminated or unknown refrigerants can be easily and quickly extracted from air conditioning systems without the use of laborious procedures such as dry ice or other processes.

National or local regulations require the coordinated and controlled disposal of these contaminated refrigerants. With Easyrec Pro, the responsible workshop can easily manage the appropriate recycling process and thus make a valuable contribution to environmental protection. The package includes the 1.5 m service hose for the system (blue), 2 connections for HFO1234yf and R134a and the 1.5 m hose for connecting Easyrec Pro to the cylinder (yellow).



### AEK207-A (R134a), AEK207-B (HFO1234yf)

Manual injector  
This device is perfect for manual injection of specific oils or tracers. An easy-to-use solution even for climate stations without the oil injection or tracer feature.



## Standards and options

The presentation of the stations in this catalogue provides efficient commercial support and make sales activities as easy as possible: the graphic footprint in line with technological evolution and brand image, the attractive display of the stations, synthetic technical descriptions and, finally, icons for immediate understanding of the various standard or optional features. Below is a brief legend of the Sun icons.

Thermal printer



Hybrid function



Connectivity  
Wi-Fi



Pressure test forming  
gas / nitrogen



Refrigerant  
Configuration



Flushing Kit



Hermetic disposable  
containers



Hermetic and  
refillable containers



Refillable standard  
containers



Gas Analyser



Gas Identifier



Display



# CONNECTORS AND HOSES

For the daily climate service, in addition to the replacement of wear parts, maintenance items, products for repairs, connectors, hoses and adapters are also required. Here is a selection of the necessary products

A/C STATION		SERVICE HOSE		QUICK COUPLER
Refrigerant	Model	Connector	Station side – quick coupler side	
HFO	DUAL GAS 12	female M12 x 1,5	male M12 x 1,5 - male M12 x 1,5 red hose 3 mt. <b>tub2132</b> blu hose 3 mt. <b>tub2122</b> red hose 6 mt. <b>tub2136</b> blu hose 6 mt. <b>tub2126</b>	Quick coupler HFO (female M12 x 1,5) Adapter not necessary
R134a or Kit HFO/R134a			QTECH IV BREEZE IV	male 1/2 ACME
R134a	HD-S	male 1/4 SAE		

	<b>TUB2132</b>	<b>RED HOSE 3 MT. HFO</b>
	<b>TUB2122</b>	<b>BLU HOSE 3 MT. HFO</b>
	<b>TUB2136</b>	<b>RED HOSE 6 MT. HFO</b>
	<b>TUB2126</b>	<b>BLU HOSE 6 MT. HFO</b>
	<b>TUB2146</b>	<b>RED HOSE 3 MT. R134a</b>
	<b>TUB2147</b>	<b>BLU HOSE 3 MT. R134a</b>
	<b>TUB1148</b>	<b>RED HOSE 6 MT. R134a</b>
	<b>TUB1149</b>	<b>BLU HOSE 6 MT. R134a</b>
	<b>TUB1144</b>	<b>RED HOSE 6 MT. 1/4\" SAE</b>
	<b>TUB1145</b>	<b>BLU HOSE 6 MT. 1/4\" SAE</b>

	<b>AEK1234A</b>	High quality QUICK COUPLER HP HFO Parker
	<b>AEK1234B</b>	High quality QUICK COUPLER LP HFO Parker
	<b>AEK208A</b>	High quality QUICK COUPLER HP R134a Parker
	<b>AEK208B</b>	High quality QUICK COUPLER LP R134a Parker
	<b>AEK228A</b>	QUICK COUPLER HP R134a
	<b>AEK228B</b>	QUICK COUPLER LP R134a
	<b>AEK229A</b>	QUICK COUPLER HP HFO1234yf
	<b>AEK229B</b>	QUICK COUPLER LP HFO1234yf
	<b>AEK230A</b>	QUICK COUPLER HP R134a 1/4\" SAE
	<b>AEK230B</b>	QUICK COUPLER LP R134a 1/4\" SAE
	<b>AEK218 - A</b>	HP "puff free" coupler for HFO
	<b>AEK218 - B</b>	LP "puff free" coupler for HFO
	<b>AEK224 - A</b>	HP "puff free" coupler for R134
	<b>AEK224 - B</b>	LP "puff free" coupler for R134a
	<b>AEK231-1</b>	Special swift coupling R134a
	<b>AEK231-2</b>	Special swift coupling HFO
	<b>AEK211</b>	Special quick-connect coupling R134a (Ford, BMW)
	<b>AEK277</b>	Special quick-connect coupling HFO1234yf (Ford)
	<b>AEK109A</b>	Terminal valve, high pressure 1/4\" SAE
	<b>AEK109B</b>	Terminal valve, low pressure 1/4\" SAE
	<b>AEK116 - 1</b>	Adapter for refrigerant bottles for R134a
	<b>AEK213</b>	Nitrogen coupler for A/C machines
	<b>AEK318</b>	Fitting HFO W 21.7 x 1/14\" LH for Dupont bottle
	<b>AEK319</b>	Fitting HFO 1/2\" -16 ACME LH for Honeywell bottle
	<b>AEK320</b>	Fitting LP for bottle R134a
	<b>RAC5216</b>	Fitting hose M14 x 1,5 HFO coupler M12 x 1,5

# CONSUMABLES AND CONTAINERS

- Simple solution for the user
- Everything for both HFO and R134a
- Mechanical and electric compressor
- Choice of bottles or hermetic cartridges
- Focused on the most used PAG/POE and viscosity standards



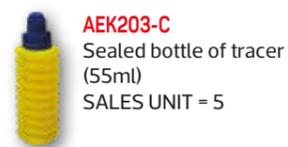
## Top recommendation

Oil / Tracer	PAG / POE	Viscosity	Bottle		Cartridge	
Oil	PAG	100	AEK275	250 ml	AEK275 - N	250 ml
		46	AEK276	250 ml	AEK276 - N	250 ml
	POE	80	AEK287	250 ml	AEK287 - N	250 ml
Oil / Tracer	POE	85	AEK386	250 ml	AEK386 - N	250 ml
Tracer			AEK290	250 ml	AEK290 - N	125 ml

OIL PAG	100	<b>AEK275</b>	Oil bottle PAG100 - 250ml for R134a, HFO1234yf mechanical and electric compressor
		<b>AEK275-N</b>	Sealed oil cartridge PAG100 - 250ml for R134a, HFO1234yf mechanical and electric compressor
	46	<b>AEK276</b>	Oil bottle PAG46 - 250ml for HFO1234yf, R134a mechanical and electric compressor
		<b>AEK276-N</b>	Sealed oil cartridge PAG46 - 250ml for R134a, HFO1234yf mechanical and electric compressor
OIL POE	80	<b>AEK287</b>	Oil bottle POE80 - 250ml for R134a, HFO1234yf mechanical and electric compressor
		<b>AEK287-N</b>	Sealed oil cartridge POE80 - 250ml for R134a, HFO1234yf mechanical and electric compressor
OIL POE + TRACER	85	<b>AEK386</b>	Oil + dye bottle POE85 - 250ml for R134a, HFO1234yf mechanical and electric compressor
		<b>AEK386-N</b>	Sealed oil + dye cartridge POE85 - 250ml for R134a, HFO1234yf mechanical and electric compressor
TRACER		<b>AEK290</b>	Dye bottle - 250ml for R134a, HFO1234yf mechanical and electric compressor
		<b>AEK290-N</b>	Sealed dye cartridge 125ml for R134a, HFO1234yf mechanical and electric compressor

## Other products available

<b>AEK285</b>	Oil bottle POE68 - 250ml for R134a, HFO1234yf mechanical and electric compressor
<b>AEK285-N</b>	Sealed oil cartridge POE68 - 250ml for R134a, HFO1234yf mechanical and electric compressor
<b>AEK265-N</b>	Sealed oil cartridge PAG100 - 250ml for R134a, HFO1234yf mechanical compressor
<b>AEK281</b>	Oil bottle PAG100 - 250ml for R134a and mechanical compressor
<b>AEK283</b>	AEK283 Oil bottle POE100 - 250ml for R134a and electric compressors



**AEK203-C**  
Sealed bottle of tracer (55ml)  
SALES UNIT = 5



**AEK322**  
Bottle of Sanniflux Liquid (1000 ml)  
SALES UNIT = 6



**RAC8088**  
Adapter for previous dye cartridges



**RAC9000**  
Adapter for previous oil cartridges



Refillable and hermetic container (260 ml)

**GRCNT16 GRCNT17 GRCNT18 GRCNT19**



**TAP0051-KIT**  
Cap for HR container kit 10 pc.



**STM0012-KIT**  
Thermal paper for printer kit 10 pc.

## Leak detector

	<b>AEK178</b>	Electronic Leak Detector, one instrument for identifying R134a, HFO1234yf and Hydrogen
	<b>AEK203</b>	Cobra Kit HD- Leak detector for A/C circuits including goggles, UV Cobra lamp, hermetic dye cartridge 55 ml for 7 applications, dye injector (R134a)
	<b>AEK145</b>	UV cobra led lamp, fluorescent enhanced goggles
	<b>AEK304N</b>	WITH NITROGEN HYDROGEN BOTTLE (attention on ADR class 2 for transport) Universal nitrogen leak detection kit with nitrogen hydrogen bottle (950ml) with quick couplers R134a and HFO
	<b>AEK304S</b>	WITHOUT NITROGEN HYDROGEN BOTTLE Universal nitrogen leak detection kit without nitrogen hydrogen bottle (950ml) with quick couplers R134a and HFO
	<b>AEK305</b>	Nitrogen + H2 bottle (950ml) (attention on ADR class 2 for transport)

## Maintenance

	<b>KIT016</b>	Maintenance Kit. Includes 1 bottle 500ml of vacuum pump oil + 1 filter FLT5005
	<b>KIT017</b>	Maintenance Kit. Includes 1 bottle 500ml of vacuum pump oil + 1 filter FLT5512
	<b>KIT018</b>	Maintenance Kit. Includes 1 bottle 500ml of vacuum pump oil + 1 filter FLT5005 + 1 filter FLT5006
	<b>PMP3335</b>	Vacuum pump oil 500 ml ISO46
	<b>TUB1260</b>	Gas sample hose (HFO) for gas analyser and identifier
	<b>TUB1263</b>	Gas sample hose (R134a) for gas analyser and identifier
	<b>FLT5507</b>	Filter for gas analyser & identifier
	<b>FLT8006</b>	Filter for Flushing Kit 30µ (R134a)
	<b>FLT8008</b>	Filter for Flushing Kit 20µ (HFO, R134a)

## Part Number

<b>Y1R74420S000</b>	ECO2KARE	<b>Y2N20020S000</b>	BREEZE IV + STM
<b>Y2F20020S000</b>	BLIZZARD QTECH IV	<b>Y2NH00000000</b>	Refrigerant Kit HFO1234yf
<b>Y2FH00000000</b>	Refrigerant Kit TOP HFO1234yf	<b>Y2NR00000000</b>	Refrigerant Kit R134a
<b>Y2FR00000000</b>	Refrigerant Kit TOP R134a	<b>Y2NH00000001</b>	Refrigerant Kit HFO1234yf UK
<b>Y2FH00000001</b>	Refrigerant Kit TOP HFO1234yf UK	<b>Y2NR00000001</b>	Refrigerant Kit R134a UK
<b>Y2FR00000001</b>	Refrigerant Kit TOP R134a UK	<b>K6T5A090S00B</b>	DUAL GAS 12
		<b>XK456A170S51</b>	KOOLKARE HD-S (UV)

### UNIQUE

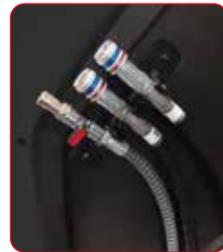
Our station stands out as the ultimate choice in the market. By integrating automatic workflows, software-guided procedures, and comprehensive databank. Our dedication to robustness and resistance ensures minimal maintenance making our station truly exceptional.

### EFFORTLESS

With its automatic and intuitive controls, it incorporates the most competent workflow settings, carefully crafted by experienced specialists. Users are seamlessly guided through all settings, ensuring an effortless and efficient experience.

### COMPREHENSIVE

The Database contains more than 20.000 vehicles. Encompassing more than 90% of all vehicle models manufactured from 2000 onwards. With immediately available adapters, as well as those obtainable on request, we ensure a comprehensive coverage for all connections.



## FOR AUTOMATIC TRANSMISSION CLEANING AND OIL REPLACEMENT

#### Smart-Drain system

This is the most comfortable, fast, safe and clean method to handle the used fluid. The recovered oil dripped from the pan is automatically weighed. The height of station's drain pan is adjustable. The asymmetrical shape adapts it to many different gearboxes.

#### 2 large fine filters

Protect all internal components of the station, avoid the need of maintenance with high filtration capacity preventive filtration of the gearbox circuit during the cleaning phase. For both directions (1 and 2) a dedicated filter.

#### High performing Manifold

Strategic placement of compact valves and implementation of anti-pressure drop measure ensures the best performance. With Generous diameter and smooth passages for oil flow to prevent pressure drops resulting in increased speed and constant oil flow. This is particularly advantageous for large engine'd vehicles, sports, vintage and American cars.

#### Multi-brand new oil tank

New oil tank designed to easily accommodate different sizes and multi-brands.

#### Discharge used oil by compressed air

Clean, Easy, Fast: no pump necessary, no maintenance or repair. Using highly professional emptying operations we have eliminated any need to remove of the used oil tank making it cleaner, faster, and easier.

#### Third scale for cleaner

Highest accuracy and precision compared to other manufactures. Using a scale avoids the risk of the pump sucking air while injecting additive and removes the constant need to purge the pump.

#### High quality connectors

Anti-splash, anti-flap, easy to handle

#### Software: automatic and intuitive

Continuous total control software. During the whole process of cleaning, oil replacement and substitution of pan and/or filter, the software workflow never requires running engine in critical moments. The navigation is intuitive. The user is perfectly guided. Most suitable parameters are recommended but not mandatory and the user is always free to define preferred service settings.

#### Database

ATF-Service24 is the access platform for the on-line ATF Database to help you get the most out of your machine. The data base is constantly updated and provides information on the connection, the suitable adapter, procedures, filters, levels, components and safety information. You can reach the uploaded database directly on the ATF station, on the online platform or, wherever you are, with the ATF MOBILE APP.

#### ATF mobile app

ATF-connection wherever you are! Be always informed on real time status of your ATF station, keep research for suitable ATF adapters smart and keep in touch with the know-how of our ATF specialists.



# ATF GEARKARE - COMPLETE TECHNICAL SHEET

Name - Description	ATF GEARKARE
Certifications	CE
Display	Touchscreen 7"
Connectivity Wi-Fi	Standard
Mobile App (Ios, Android)	Standard
Software update	USB Flash Drive or Wi-Fi
Type of service	Automatic
Detection of flow direction	Automatic
Cross-contamination	Completely prevented
Self cleaning	Yes, automatic priming function before each oil type change
Service valves for oil change	Automatic
Used oil emptying valve	Manual
Used oil container	Fixed steel container, 25 liters
New oil container	Removable plastic canister, 20 liters
New and used oil scale resolution	5 gr, 2 load cell
Additive container	2 liters
Additive scale resolution	5 gr
Additive injection	Automatic
Bowl for carter oil recovery	Smart-Drain system
Oil filtering	2x ultra-fine filters
Pump	High flow rate pump (up to 9 l/min)
Discharge used oil	Easy emptying with compressed air
Service hoses	2 x 3 meters
Hose for emptying used oil	1,5 meters
Top-up	From canister or small bottles
Oil quality indicator	By transparent illuminated tubes
Thermal printer	Standard
Database	Local and on-line platform
Languages	27 languages
Voltage	220-240 V, 50/60 Hz
Power cord cable	Locking plug as standard
Working ambient temperature range	5 - 55 °C / 10-95% humidity
Dimensions	72 x 73 x 108 cm - 80 kg
Dimensions with packaging	76 x 70 x 137 cm - 95 kg

## PART NUMBER

<b>Y1ATF020S000</b>	ATF GEARKARE
<b>LEVELKIT-ATF</b>	OIL LEVEL CONNECTORS
<b>DB.ATF-LICENSE</b>	LOCAL DATABASE UPDATE + WEB LICENSE
<b>CNT0031</b>	NEW CANISTER 20 liters
<b>FLT.ATF.1000</b>	2 x FILTER CARTRIDGE
<b>KIT.ATF</b>	ATF BASE KIT ADAPTERS
<b>KIT.ATF.ADV</b>	ATF ADVANCED KIT ADAPTERS
<b>ATF.CASE</b>	STORAGE SUITCASE FOR ADAPTERS



CNT0031



FLT.ATF.1000



KIT.ATF.ADV



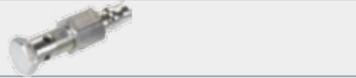
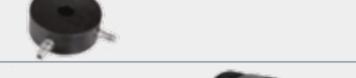
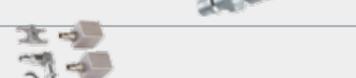
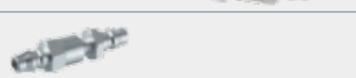
ATF.CASE

With the desire to offer a range of adapters as great and unique as the ATF machine, we created the most focused range of ATF adapters to best suit the European vehicle parc. For now, the range has grown to 76 adapters and 21 oil level connectors. Work in constant progress to complete best possible coverage. Further to individual availability of all adapters for replacement and beyond adapter kits, specific adapter selections have been created to match workshops specific vehicle mix and volume. Adapter kits support workshops in their competent purchase and keep marketability of the adapter range easier. Adapters of ATF BASE KIT and ATF ADVANCED KIT are delivered in the specific suitcase. For practical use and storage in the workshop of all other suggested ranges (Professional 1 or 2), is available also the Storage Adapter Suitcase. Different sizes of compartments suits to the whole range of adapters.

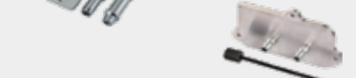
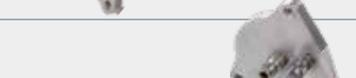
## ADAPTER'S RANGE

	<b>KIT.ATF</b> ATF BASE KIT ADAPTERS (18 adapters) This basis kit covers most popular vehicles and is essential to start. The range is a perfect ATF starting point and provides a great package for the most popular automatic vehicles in Europe requiring ATF service.
	<b>KIT.ATF.ADV</b> ATF ADVANCED KIT ADAPTERS (18 adapters) Advanced kit to compliment the coverage of the basis kit. Enhancing the core coverage for vehicle routinely presented into all brand aftermarket workshops
	<b>SUGGESTION "PROFESSIONAL 1"</b> Recommended adapter selection for more specialistic ATF service. Focusing on less common northern European vehicles focused on central north manufacturers as VW, Mercedes, BMW and Volvo vehicle applications
	<b>SUGGESTION "PROFESSIONAL 2"</b> Recommended adapter selection for more specialistic ATF service. Focusing on less common European manufacturers Renault, PSA group and FCA group vehicle applications.

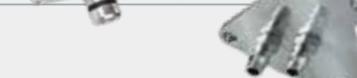
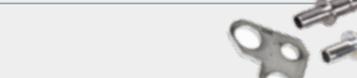
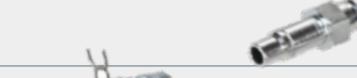
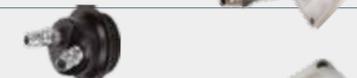
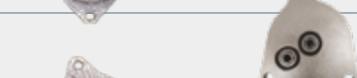
# ADAPTERS

	RAC8201	A1 - 5 SPEED ZF - JAGUAR, MERCEDES-BENZ, MITSUBISHI & SSANGYONG
	RAC8202	A2 - MULTIPLE ZF - JAGUAR, MERCEDES-BENZ, SSANGYONG
	RAC8203	A3 - AISIN - JEEP, FIAT, ALFA ROMEO, OPEL, CITROEN
	RAC8204	A4 - DSG AUDI, VOLKSWAGEN, SKODA
	RAC8205	A5 - MULTIPLE - AUDI, VOLKSWAGEN, JEEP
	RAC8206	A6 - MULTIPLE - AUDI, PORSCHE, OPEL, SUBARU, MAZDA, CITROEN, RENAULT, ALFA ROMEO & LANCIA
	RAC8207	A7 - MULTIPLE - AUDI
	RAC8208	A8 - AUDI, MERCEDES-BENZ, MITSUBISHI
	RAC8209	A9 - ZF - MERCEDES-BENZ, BMW, RENAULT, SAAB, FORD, RANGE-ROVER, JAGUAR
	RAC8210	10 - VOLVO
	RAC8211	A11 - GM
	RAC8212	A12 - JEEP, DODGE, OPEL, GM 4 SPEED
	RAC8213	A13 - JEEP 5 SPEED
	RAC8214	A14 - SET OF 4 UNIVERSAL RUBBER EXTENSIONS (8,10,13,15mm)
	RAC8215	A15 - BMW, VOLVO, AUDI, MERCEDES-BENZ, RENAULT, SAAB, FORD & JLR
	RAC8216	A16 - JAGUAR, FORD, MAZDA & MULTIPLE LAND ROVERS
	RAC8217	A17 - AUTOMATIC GEARBOX OIL CONNECTOR FOR FILLING FROM THE BOTTOM
	RAC8218	A18 - STEPPED RUBBER HOSE CONNECTIONS Inc HYUNDAI, KIA, TOYOTA, LEXUS, MITSUBISHI, ISUZU & LAND ROVER

18 Adapters included in Base kit adapters KIT.ATF

	RAC8219	A19 - VOLVO - THERMOSTAT BYPASS
	RAC8220	A20 - FIAT, JEEP, LAND-ROVER
	RAC8221	A21 - TOYOTA, SUZUKI, MAZDA
	RAC8222	A22 - AISIN - BMW, MINI, VOLVO
	RAC8223	A23 - POWERSHIFT - FORD, RENAULT, PEUGEOT, VOLVO

# ADAPTERS

	RAC8224	A24 - ZF8HP - AUDI, BMW, JAGUAR, LAND-ROVER, ALFA ROMEO, JEEP, IVECO
	RAC8225	A25 - CITROEN, PEUGEOT
	RAC8226	A26 - CITROEN, PEUGEOT, VOLKSWAGEN, FIAT DUCATO
	RAC8227	A27 - DIPSTICK - FORD, JEEP, DODGE
	RAC8228	A28 - GM & OPEL
	RAC8229	A29 - AISIN & ZF - AUDI, VOLKSWAGEN, PORSCHE, LEXUS, MITSUBISHI
	RAC8230	A30 - MERCEDES-BENZ GLK, JEEP, MITSUBISHI, GM, SUZUKI, TOYOTA
	RAC8231	A31 - JEEP, FIAT, CHRYSLER, MERCEDES-BENZ, SUBARU
	RAC8232	A32 - 5 SPEED ZF - MERCEDES-BENZ CLK, C, AMG
	RAC8233	A33 - BMW, JAGUAR
	RAC8234	A34 - GM, FIAT, FORD, JEEP, CHRYSLER VOYAGER, SAAB, MERCEDES ML
	RAC8235	A35 - 4 SPEED - FIAT, CITROEN, PEUGEOT, RENAULT
	RAC8236	A36 - 4 SPEED - MITSUBISHI PAJERO & SHOGUN
	RAC8237	A37 - RENAULT, MITSUBISHI, NISSAN
	RAC8238	A38 - MERCEDES-BENZ, RENAULT - DSG
	RAC8239	A39 - AISIN - PEUGEOT, CITROEN
	RAC8240	A40 - BMW X1
	RAC8241	A41 - AISIN - PEUGEOT
	RAC8242	A42 - 6 SPEED - MAZDA
	RAC8243	A43 - AISIN - FIAT, CITROEN, PEUGEOT
	RAC8244	A44 - PEUGEOT, BMW, MINI
	RAC8245	A45 - AISIN - PEUGEOT, VOLVO
	RAC8247	A47 - FITTING EAT8 PEUGEOT, CITROEN
	RAC8248	A48 - AISIN 8 SPEED - GA8F22AW BMW
	RAC8249	A49 - AISIN 8 SPEED - GA8F22AW VOLVO

## ADAPTERS

	RAC8250	A50 - BMW 8 SPEED (D18 mm) (ZF) - 'X' RANGE VEHICLES
	RAC8251	A51 - VOLKSWAGEN, AUDI, MITSUBISHI (ZF)
	RAC8252	A52 - AUDI (Q7/A8), BMW (ZF / CVT)
	RAC8253	A53 - QUICK COUPLER 90° (2 pcs) - UNIVERSAL
	RAC8254	A54 - VOLVO (AISIN)
	RAC8255	A55 - MERCEDES, JEEP, FIAT (ZF 9 Gtronic)
	RAC8256	A56 - AUDI (CVT)
	RAC8257	A57 - AUDI A8 (ZF)
	RAC8258	A58 - AUDI (DSG 7-Speed)
	RAC8259	A59 - LAND ROVER, VOLVO (ZF)
	RAC8260	A60 - BMW 8 SPEED ZF8HP
	RAC8261	A61 - 722.6 MERCEDES
	RAC8262	A62 - General use hoses for DTM Stardiesel connections
	RAC8263	A63 - General use hoses for DTM Stardiesel connections
	RAC8264	A64 - AUDI, OAW Ttype Transmissions
	RAC8265	A65 - BMW X1/X2, MINI, PEUGEOT 508 (AISIN)
	RAC8266	A66 - RENAULT
	RAC8267	A67 - Oil Level Dipstick for MERCEDES BENZ, CHRYSLER
	RAC8268	A68 - JEEP FREEMONT
	RAC8269	A69 - RENAULT LAGUNA III, ESPACE IV
	RAC8270	A70 - NISSAN JUKE (2011 - 2014)
	RAC8271	A71 - NISSAN JUKE (2014 - 2019)
	RAC8272	A72 - AUDI, PORSCHE, VOLKSWAGEN (7-Speed)
	RAC8273	A73 - TOYOTA COROLLA K311-K313
	RAC8274	A74 - VOLVO
	RAC8275	A75 - NISSAN RENAULT
	RAC8276	A76 - BMW X2, MINI, LAND ROVER (GEARBOX GA8G45W)
	RAC8277	A77 - MINI, SUZUKI (90 mm) - VW, CITROEN, MINI, RENAULT, LANCIA (110 mm) - PEUGEOT & CITROEN (130 mm)

## CONNECTORS FOR OIL LEVEL

	RAC9201	ATF-101 FITTING FOR FORD 1/8-27 NPT
	RAC9202	ATF-102 FITTING FOR HONDA NISSAN
	RAC9203	ATF-103 FITTING FOR AUDI SKODA
	RAC9204	ATF-104 FITTING FOR AUDI PORSCHE
	RAC9205	ATF-105 FITTING FOR AUDI MINI COOPER M10X1.0
	RAC9206	ATF-106 FITTING FOR AUDI DSG M24X1,5
	RAC9207	ATF-107 FITTING FOR AUDI CVT M22X1,5
	RAC9208	ATF-108 FITTING FOR SKODA M18X1,5
	RAC9209	ATF-109 FITTING FOR MERCEDES M12X1,5
	RAC9210	ATF-110 FITTING FOR AUDI SKODA M30X1,5
	RAC9211	ATF-111 UNIVERSAL FLEXIBLE 300mm
	RAC9212	ATF-112 FITTING 5/16 -24 UNF
	RAC9213	ATF-113 FITTING FOR TOYOTA LEXUS M18X1,5
	RAC9214	ATF-114 FITTING FOR NISSAN INFINITY M18X1,0
	RAC9215	ATF-115 FITTING FOR VW PASSAT
	RAC9216	ATF-116 FITTING FOR NISSAN JUKE M12X1,25
	RAC9217	ATF-117 FITTING FOR MINI COOPER MITSUBISHI M14X1,5
	RAC9218	ATF-118 FITTING FOR NISSAN M10X1,75
	RAC9219	ATF-119 FITTING FOR GM M12X1,75
	RAC9220	ATF-120 FITTING FOR BENZ 725-9G
	RAC9221	ATF-121 FITTING FOR AUDI VW DSG

From A101 to A120 included in LEVELKIT-ATF

Please visit the ATF GEARKARE presentation on-line to find constantly updated range as most recent new adapters or connectors.  
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