

NEW COLOUR GRAPHIC
DISPLAY WIDESCREEN **TOUCH**

8500 1234 PLUS

**DEDICATED FOR
GAS R-1234yf**

Resulting from the design and close cooperation with car manufacturers, the range of **BRAIN BEE** stations using R-1234yf represents the **High Technology** and the **State-of-the-art** in the A/C recharge industry.



DISCOVER ON **YouTube**
WWW.YOUTUBE.COM/MKTGBRAINBEE

HIGH TECHNOLOGY AT YOUR SERVICE

Choose now have an A/C RECOVERY STATION **dedicated to the new gas.**

Thanks to **8500 1234 PLUS** you're sure to enjoy the best technology in the field

of Brain Bee R-1234yf charge.

CERTIFIED and **APPROVED TÜV**, is already prepared for convenience **REFRIGERANT GAS IDENTIFIER** (optional).

EVERYTHING UNDER CONTROL

8500 1234 PLUS is the ideal A/C Station for those who want to obtain the best results without any complications.

8500 1234 PLUS also includes electronic gauges and valves to deliver an extremely friendly and intuitive operating interface.

The heart of **8500 1234 PLUS** is its **LCD user-interface display**. Simple and intuitive, the touch screen displays all the operating functions which can be activated in a quick and precise manner.

Furthermore, the clarity of the display ensures good visibility in almost all lighting conditions.

All serviceable parts and components in the **8500 1234 PLUS** are easily accessible and located in a position that allows for **fast replacement**. Recharge hoses too have been equipped with **external quick couplers** so that you don't have to open the station in case of replacement.

8500 1234 PLUS can be easily updated: using USB port, every available update can be downloaded from the web and installed on the station very easily.

**AIR
PURGE
SYSTEM**

TOTAL AUTOMATIC NON-CONDENSABLES CONTROL

AIR PURGE SYSTEM is the new exclusive function by BRAIN BEE, **present throughout the whole range**, that helps the operator **knowingly manage the discharge of non-condensable gases**, replacing the traditional manual check performed using the vessel pressure gauge.

ADVANTAGE: Through the special software, discharge of non-condensable gases is only proposed when actually required. The operator can always decide when to perform the operation, always keeping full control over the Station.

**OIL
CLEAN**

NO MORE WASTE

Often hindered by environmental factors (e.g.: temperature), failure to eliminate residual oil in the station will jeopardize the accuracy of the following charge, causing **waste** (of new oil) and **ineffective results**.

Thanks to the **OIL CLEAN** function, **8500 1234 PLUS** can force recovered oil discharge in the final phase, **allowing to save gas** (normally used by traditional technology to ease oil discharge).

ADVANTAGE: OIL CLEAN allows maintaining your recharge station **top efficiency**.

Calculation of the new oil quantity to be injected into the vehicle will always be extremely **accurate**, from the first to very last charge of the day, regardless of the environmental conditions.

**SUPER
CHARGE**

100% RECHARGE

SUPER CHARGE exploits the station operation to obtain the same condition that would otherwise be created by means of vessel heating systems. And results are **even remarkably better!**

ADVANTAGE: Under any climatic condition, refrigerant recovery from a vehicle is perfect, complete and always guaranteed. The following recharge will hence take less time, **without any additional support function**, and will thus result in reduced power consumptions.

HPV

VACUUM BEYOND COMPARE

As the other BRAIN BEE stations, **8500 1234 PLUS** is equipped with an **HPV - High Performance Vacuum Pump**, ensuring undoubted performance.

Even in comparison with larger capacity pumps, the **HPV PUMP** is still the winner: both in the first recharge of the day ("idle" condition), and in case of pump oil already "degassed", typical of an A/C station that has been running for several minutes, the HPV PUMP **reaches the best vacuum level more rapidly** (4 minutes earlier than a double-capacity pump); furthermore, after the first 20 minutes of vacuum, **it even reaches a lower vacuum level, thus ensuring improved operating efficiency.**

ADVANTAGE: The **HPV PUMP** can reach better vacuum levels **earlier**, ensuring **performance and efficiency** when recovering refrigerant from the vehicle.



LONG LIFE PUMP

LONG LIFE PUMP (patent) is the special function allowing an extension of up to **1.000 hours** of the average life of the pump oil used in the station. It can be activated when the station is not used, and allows for the automatic execution of a cycle of oil regeneration. Oil is hence purified and has a longer life cycle, thus **reducing operating costs**.

DATABANK

8500 1234 PLUS is equipped with the most comprehensive **database for R1234yf** on the market, which can be easily updated via USB port.

With unlimited validity, it automatically provides for the specific recharge parameters for the vehicle being serviced. All the phases of the planned service are thus optimized and top performance is guaranteed.

PRINTER

8500 1234 PLUS is equipped with a printer to print service reports



ECO LOCK® COUPLERS

8500 1234 PLUS is equipped with **ECO LOCK®** quick couplers, **BRAIN BEE PATENT**, allowing for the reduction of gas quantities, safeguarding of operators' safety and providing a **strong contribution for the protection of the environment**.

The operation of a recharge station has a strong impact on the environment, due to the formation of the so-called "puff effect", that is to say dispersion of refrigerant in the environment that usually occurs at the end of a normal charge of a vehicle during the detachment of recharge hoses from the vehicle circuit.

Due to its mechanical shape, any traditional coupler requires the presence of a small area of interchange among components called "dead space". During recovery, the air in that area is sucked together with the refrigerant and contributes to the formation of non condensable gases.

After recharge, this area remains filled with refrigerant and upon hose detachment it is released in the air having an environmental and financial impact.

Following specific conformity tests carried out by **TÜV RHEINLAND**, the **ECO LOCK® SYSTEM** has been recognized as the only technology complying with the VDA manufacturers' specifications, therefore entirely fulfilling (and also going beyond) the requirements of containment of leaks caused by hoses detachment, which are in this way eliminated.

TECHNICAL FEATURES

GAS TYPE	R-1234YF
DISPLAY	GRAFIC 4,3", 480x272 (WIDESCREEN) 65536 COLOURS - TOUCH
PRINTER	✓
SOFTWARE UPDATE	USB
VESSEL LEVEL MEASUREMENT	ELECTRONIC SCALE
MAX OPERATING PRESSURE PE	20 BAR
PED CATEGORY	III
CLIMA DATABASE - CARS ONLY	R-1234YF
DRAIN OIL CONTAINER	250 ML - ELECTRONIC SCALE
PAG INJECTION OIL CONTAINER	250 ML - ELECTRONIC SCALE
POE INJECTION OIL CONTAINER	OPTIONAL (HYBRID KIT)
UV DYE CONTAINER	250 ML
OIL CARE VALVE (NEW PAG OIL CONTAINER)	✓
VACUUM LEVEL	0,02 MBAR
COMPRESSOR	14 CC
PRESSURE SAFETY SWITCH	✓
DEHYDRATING FILTER CAPACITY (RECOVERED REFRIGERANT)	45 KG
NON-CONDENSING VENT VALVE	AUTOMATIC, ELECTRONIC
HP AND LP TAPS	AUTOMATIC
FILLING HOSES LENGTH	4,5 M
HP AND LP	ANALOG 80 MM PULSE-FREE CL. 1
ECO LOCK	PATENTED ✓
INTERIOR + EXTERIOR FLUSHING (W/KIT)	✓ (*)
INTERIOR + EXTERIOR FLUSHING VAS (W/KIT)	✓ (*)
VESSEL HEATER FUNCTION	PATENTED ✓ SUPER CHARGE
AIR PURGE SYSTEM FUNCTION	✓
AGRI&WORK	-
OIL CLEAN	✓
HPV PUMP	✓
MULTIPASS FUNCTION	✓
UV TRACER FUNCTION	✓
HYBRID FUNCTION	✓ (*)
N-LEAK TEST - WITH NITROGEN	-
LONG LIFE PUMP	PATENTED ✓
POWER SUPPLY	230 V - 50 HZ - 800 W

(*) W/ OPTIONAL KIT

SPECIAL FUNCTIONS

AIR PURGE SYSTEM
SUPER CHARGE
OIL CLEAN
HPV PUMP
LONG LIFE PUMP
ECO LOCK®

REFRIGERANT 1234 IDENTIFIER (with OPTIONAL kit)

MULTIPASS enables additional closed circuit filtering of the recovered cooling fluid
FLUSHING (with OPTIONAL kit)

HYBRID FUNCTION (con OPTIONAL kit). With this function, residual oil within the station can be completely replaced, with a view to preventing contamination between the oils used on traditional engine vehicles and those specifically used on hybrid or vehicles.

Air-tight OIL CARE CONTAINERS, preventing contact with air
UV TRACER

NON-CONDENSING VENT VALVE (automatic, electrically-controlled), it lets any air still present in the pipes to be expelled, thus speeding up the recovery phase and ensuring greater purity of vessel refrigerant

MADE IN BRAIN BEE all components and manufacturing are exclusively of European origin

Overall dimensions: 600 x 522 x 1145 mm (WxDxH)

Weight: 86 kg

Recharge vessel: 20 l

OPTIONS

- HYBRID FUNCTION KIT
- FLUSHING/FLUSHING VAS
- REFRIGERANT GAS IDENTIFIER



Brain Bee S.p.A.

Tel. +39.0521.954411

Fax +39.0521.954490

www.brainbee.com - contact@brainbee.com

AIM AT QUALITY. USE ORIGINAL BRAIN BEE PRODUCTS AND SPARE PARTS

