

NEW COLOUR GRAPHIC
DISPLAY WIDESCREEN **TOUCH**

MULTIGAS 8500 PLUS

DOUBLE USE
GAS R-134a
GAS R-1234yf

The recharge station built for the **future technology** but equipped to handle today's A/C requirements as well. The best of Brain Bee technology for a top performance working tool.

A STATION WITH **DOUBLE LIFE**

Brain Bee is taking you into the future starting from today. **MULTIGAS 8500 PLUS** is indeed the **dual-use station**.

You can use **it right now** to recharge systems employing gas R-134a.

EVERYTHING UNDER **CONTROL**

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

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

The heart of **MULTIGAS 8500 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.

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, **MULTIGAS 8500 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.



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

And thanks to its advanced **BRAIN BEE 1234 TECHNOLOGY** design, the **MULTIGAS 8500 PLUS** can be easily converted from R-134a to R-1234yf if required in the future using the special **TRANSFORMATION KIT** (optional) thus getting a double return on your original investment.

READY FOR INSTALLATION OF **GAS 1234yf IDENTIFIER**

All serviceable parts and components are easily accessible and located in a position that allows for fast replacement.

Hoses too, equipped with quick couplers, have been positioned externally so that you don't have to open the station in case of replacement.

MULTIGAS 8500 PLUS is equipped with the most comprehensive database for R134a and R-1234yf on the market, which can be easily updated via USB port.

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



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, **MULTIGAS 8500 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.



THE ALLY OF AGRICULTURAL MACHINES

MULTIGAS 8500 PLUS can be integrated with the new **AGRI&WORK FUNCTION** (option). Ideal for the management of **agricultural and earth-moving machinery**, this feature requires the activation of the special **AGRI & WORK FUNCTION** and the use of the **CLIMA AGRI DATABASE**.

These two allow to manage, via software, a combined series of gas recovery and injection phases, which are synchronized to achieve the **best charge**



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**.

DATABASE

MULTIGAS 8500 PLUS is equipped with the most comprehensive **database for R134a & 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.

level.

ADVANTAGE: the function allows achieving the top efficiency, without any waste, under any A/C recharge condition, **even on work machinery for which the gas charge quantity is not known beforehand**.



ECO LOCK® COUPLERS

MULTIGAS 8500 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**.

Its operation allows preventing the typical 'puff' effect, that is to say dispersion of refrigerant in the environment that usually occurs during the detachment of recharge hoses from the vehicle circuit.

PRINTER

MULTIGAS 8500 PLUS is equipped with a printer to print service reports.

N-LEAK TEST (LEAK TEST WITH NITROGEN)

The whole BRAIN BEE CLIMA LINE is now equipped with the **N-LEAK TEST** function. Usually available on TOP RANGE models only, this function can be easily activated on **MULTIGAS 8500 PLUS** as well, with the specific KIT (OPTION), allowing the execution of LEAK TESTS when the A/C system is under pressure conditions.



TECHNICAL FEATURES

GAS TYPE	R-134A / 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-134A / R-1234YF W/ COMPONENT GRAPHIC POSITIONNING
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 DOUBLE SCALE FOR 134 AND R1234YF, 80 MM 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

AGRI&WORK (OPTIONAL)

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)

NITROGEN LEAK TEST (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

- AGRI&WORK
- HYBRID FUNCTION KIT
- 1234 TRANSFORMATION KIT

- NITROGEN LEAK TEST KIT
- FLUSHING
- REFRIGERANT GAS IDENTIFIER



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