

9000D

SPECIFIC FOR
GAS R1234yf

1234

HIGH TECHNOLOGY AT YOUR SERVICE

Resulting from the design and long-term collaboration with car manufacturers, the **BRAIN BEE** range using the **R1234yf** represents the **High Technology** and the **reference model** in the A/C recharge industry.

Thanks to **9000D-1234** you're sure to enjoy the best technology of Brain Bee, together with the approval of a major car maker:

THE PERFECT COMBINATION!



BRAIN BEE. EVERYTHING UNDER CONTROL

9000D-1234 is the ideal A/C Station for those who want to obtain the best results without any complications.

9000D-1234 also includes electronic gauges and valves to deliver an extremely friendly and intuitive operating interface.

The heart of **9000D-1234** 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 **9000D-1234** 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.

9000D-1234 can be easily updated: using USB port, every available update can be downloaded from the web and installed on the station very easily



FULLY AUTOMATIC NON-CONDENSABLE GAS 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.



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, **9000D-1234** 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.



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.



VACUUM BEYOND COMPARE

As the other BRAIN BEE stations, **9000D-1234** 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 **1000 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

9000D-1234 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

9000D-1234 is equipped with a printer to print service reports

GAS IDENTIFIER

Gas identifier HFO R1234yf included - 92% purity

ECO LOCK® COUPLERS

9000D-1234 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.

SPECIAL FUNCTIONS

AIR PURGE SYSTEM

SUPER CHARGE

OIL CLEAN

HPV PUMP

LONG LIFE PUMP

ECO LOCK®

MULTIPASS enables additional closed circuit filtering of the recovered cooling fluid

FLUSHING (with OPTIONAL kit)

HYBRID FUNCTION (with OPTIONAL kit)

Air-tight OIL CARE CONTAINERS

UV TRACER

NON-CONDENSING VENT VALVE - AUTOMATIC, ELECTRICALLY-CONTROLLED

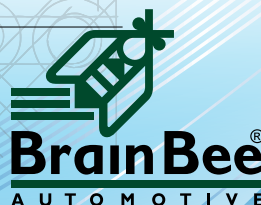
MADE IN BRAIN BEE all components and manufacturing are exclusively of European origin

TECHNICAL FEATURES

GAS TYPE	R1234YF
DISPLAY	GRAPHIC 4,3", 480x272 (WIDESCREEN) 65536 COLOURS - TOUCH DISPLAY
PRINTER	√
SOFTWARE UPDATE	USB
VESSEL LEVEL MEASUREMENT	ELECTRONIC SCALE
MAX OPERATING PRESSURE (PED CERTIFIED)	20 BAR
PED CATEGORY	III
CLIMA DATABASE - CARS ONLY	√ R1234YF
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 - ELECTRONIC SCALE
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
FILLING HOSES LENGTH	3 M
HP AND LP	ANALOG 80 MM CL.1
ECO LOCK	√
INTERIOR + EXTERIOR FLUSHING VAS (W/KIT)	√ (*)
VESSEL HEATER FUNCTION	√ 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	√
POWER SUPPLY	230 VAC - 50 HZ

OVERALL DIMENSIONS: 670 X 740 X 1200 MM (LXPXH)
WEIGHT: 95 KG
RECHARGE VESSEL 12 L

AIM AT QUALITY. USE ORIGINAL BRAIN BEE PRODUCTS AND SPARE



Brain Bee S.p.A.

Tel. +39.0521.954411

Fax +39.0521.954490

www.brainbee.com - oem@brainbee.com

