

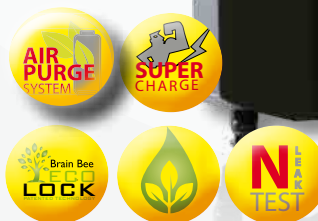
CLIMA 1234-HO

VDA - GERMAN ASSOCIATION
OF THE AUTOMOTIVE INDUSTRY -
COMPLIANT FOR R-1234YF



CLIMA 1234-HO

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](http://WWW.YOUTUBE.COM/MKTGBRAINBEE)

HIGH TECHNOLOGY AT YOUR SERVICE

The heart of **CLIMA 1234-HO** is its **LCD DISPLAY**.

Simple and intuitive, the **touch screen** displays all the operating functions, in colour pictures, which can be activated in a quick and precise manner. The extreme brightness of the display ensures good visibility of parameters in **almost all lighting conditions**.

Besides the modern display, the station is equipped with **analogue pressure gauges** ensuring full control.

The **integrated printer** provides a hard copy record of the A/C system being serviced.

The station is ready to be connected to the **REFRIGERANT GAS IDENTIFIER** (option) as per the specifications by VDA (GERMAN ASSOCIATION OF THE AUTOMOTIVE INDUSTRY).

Extended operating capacity is ensured by the **HIGH PERFORMANCE VACUUM PUMP**.

Extreme recovery and charge accuracy, also ensured by the implementation of the **INJECTION** technology (BRAIN BEE patent), which allows for a total control of gas use and costs.

Lastly, all serviceable parts and components are easily accessible and located in a position that **allows for fast replacement**.

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.



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.



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

CLIMA 1234-HO 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.

TECHNICAL FEATURES

GAS TYPE	R-1234YF
DISPLAY	GRAPHIC 4,3", 480X272 (WIDESCREEN), 65536 COLOURS, TOUCH
PRINTER	✓
SOFTWARE UPDATE	USB
VESSEL LEVEL MEASUREMENT	ELECTRONIC SCALE
MAX OPERATING PRESSURE PED	20 BAR
PED CATEGORY	III
CLIMA DATABASE - CARS ONLY	✓ R-1234YF (OPTIONAL)
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)	150 KG - GERMAN ASSOCIATION OF THE AUTOMOTIVE INDUSTRY - COMPLIANT
AIR PURGE FUNCTION	AUTOMATIC, ELECTRONIC
FILLING HOSES LENGTH	3 M - GERMAN ASSOCIATION OF THE AUTOMOTIVE INDUSTRY - COMPLIANT
HP AND LP	ANALOG 80 MM PULSE-FREE CL. 1
ECO LOCK PATENTED	✓
INTERIOR + EXTERIOR FLUSHING (W/KIT)	✓ (OPTIONAL)
INTERIOR + EXTERIOR FLUSHING VAS (W/KIT)	✓ (OPTIONAL)
VESSEL HEATER FUNCTION PATENTED	✓ SUPER CHARGE
AIR PURGE SYSTEM FUNCTION	✓
AGRI&WORK	-
OIL CLEAN	-
HPV PUMP	-
MULTIPASS FUNCTION	✓
UV TRACER FUNCTION	✓
HYBRID FUNCTION	✓ (OPTIONAL)
N-LEAK TEST - WITH NITROGEN	✓ (OPTIONAL)
LONG LIFE PUMP PATENTED	✓
POWER SUPPLY	230 V - 50/60 HZ - 800 W



ECO LOCK® COUPLERS

CLIMA 1234-HO 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 FUNCTION

GAS 1234yf IDENTIFIER ⁽¹⁾

MULTIPASS

FLUSHING ⁽¹⁾

⁽¹⁾ OPTIONAL KIT

NITROGEN LEAK TEST ⁽¹⁾

HYBRID FUNCTION ⁽¹⁾

OIL CARE CONTAINERS

UV TRACER

NON-CONDENSING VENT VALVE

MADE IN BRAIN BEE

Overall dimensions: 673 x 738 x 1198 mm (WxDxH)

Weight: 100 kg

Recharge vessel: 12 l

OPTIONS

- **HYBRID FUNCTION KIT**
- **REFRIGERANT GAS IDENTIFIER**

- **KIT FLUSHING**



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