

**60** years of  
pioneering  
innovation

## AC1234-8 DM Fully Automatic air conditioning unit for R1234yf A/C systems

**AC1234-8 DM is a service unit which performs maintenance of A/C systems with R1234yf refrigerant. Robinair has developed this fully automatic unit in cooperation with Mercedes-Benz to ensure an excellent maintenance of A/C systems of vehicles of the new generation.**

### Highlights:

- › The 15 gram precision level of the charge and recovery function has been reached thanks to the integrated electronic control of refrigerant pressure and temperature.
- › The AC1234 service units are provided with a cutting-edge technology that allows recovering over 98,5 % refrigerant from the vehicle.
- › The electronic scale system and 3 bottles with piston injection independent circuits prevent lubricants and tracers from being contaminated, resulting in an easier and faster maintenance of A/C systems even on hybrid vehicles.
- › The innovative graphic interface with colour display and the wide High and Low pressure gauges allow to constantly monitor the A/C system during all recharge phases. Service hoses and quick-release

couplings comply with SAE and the highest quality standards.

- › The fluid purity, essential condition for a correct maintenance of the new systems, is ensured by a integrated refrigerant identifier in the AC1234-8 DM station.
- › This model is provided with SD Card slot, Ethernet and USB ports, as well as a printer.

Order number SP00.000.105



**Approved by  
Mercedes-Benz**

## AC1234-8 DM

|                |                |
|----------------|----------------|
| Refrigerant    | R1234yf        |
| Operating mode | Full automatic |
| CE             | Yes            |
| TÜV            | Yes            |

### Functions

|  |  |
|--|--|
| Refrigerant recovery                                   | Automatic                                  |
| Recovery accuracy / performance                        | 15 g, 98,5 %                               |
| Refrigerant identifier                                 | Yes internal                               |
| Oil recovery   | Automatic with electronic scale            |
| Vacuum   | Automatic                                  |
| Leak test  | Automatic                                  |
| Oil injection  | Automatic with electronic scale            |
| UV dye injection                                       | Automatic with electronic scale            |
| Refrigerant charge                                     | Automatic with electronic scale            |
| Flushing function                                      | Yes, optional kit                          |
| Printer  | Yes  |
| Air purge system                                       | Electronic control                         |
| Hybrid A/C system compatibility (hoses flush, POE/PAG) | Yes, hoses flush and POE/PAG oil injection |
| HP & LP pressure gauge                                 | 100 mm Pulse Free                          |

#### Scope of delivery:

- > Fully-automatic AC service unit
- > High/low pressure hoses (3 m)
- > Quick couplers
- > 3 oil bottles
- > 1 UV dye bottle
- > Calibration weight to check oil and refrigerant scale
- > Multi language user manual
- > Quick start reference
- > Thermal paper for printer
- > Protective dust hood
- > Source tank adapters

## AC1234-8 DM

|                              |                                 |
|------------------------------|---------------------------------|
| Tank pressure gauge          | Digital                         |
| Service hoses length & specs | 3 mt                            |
| Display                      | 5,7" TFT ¼VGA                   |
| Compressor                   | 3/8 HP                          |
| Vacuum pump                  | 170 l/min (6 CFM)               |
| Refrigerant tank capacity    | 9.09 kg                         |
| Oil tanks                    | 3x 250 ml (hermetically sealed) |
| UV tank                      | 1x 250 ml                       |
| Dimension                    | 107 x 61 x 76 cm                |
| Weight                       | 107 kg                          |
| Power supply                 | 230 50/60 Hz                    |

### Accessories

|  |        |
|--|--------|
| Electronic database (refrigerant and oil quantity) | Yes    |
| Vehicle universal flushing adapter set             | Option |
| Video player                                       | Yes    |
| USB connection                                     | Yes    |
| SD memory support                                  | Yes    |
| PC connection                                      | Yes    |
| Retrofit kit R1234yf R134a                         | No     |

#### Special Accessory:

**ACT1234-SFK** contains flushing tank, filter dryer, sight glass, two service hoses SAE J2888. (Order-Nr. SP00.101.176-810)

#### Composed by:

ACT1234 – Installation kit (Order-Nr. SP00.101.175-810)

ACT2502-104 – Starter adapters kit (Order-Nr. SP00.100.734-810)