

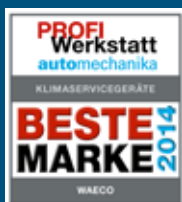
A/C Workshop Equipment

AirCon Service Center for BMW

R 134a and R 1234yf



Robust,
durable
workshop equipment





The Low Emission technology

Environmentally friendly and economical

New technology for use of refrigerants

Close to 100% refrigerant recovery: the low-emission service units **BMW 2500** and **BMW 5000** integrate all refrigerant bearing components on the weighing platform. The refrigerant contained in refrigerator oil, which is forced out using a patented process from the pressure-tight used oil container, is also included in the weighing. During the vacuum phase the residual amount of refrigerant is returned to the tank. As all of the refrigerant contained in the system

is included in the weighing, the recovered amount of refrigerant can be determined precisely to the gram – and recharged precisely to the gram, too! Accurate charging amounts are crucial for the cooling performance of modern-day vehicle A/C systems. And by the way, saving refrigerant also means saving money – and the environment as well.

Payback period calculation – Low Emission pays back!

Basis: average charging amount: 600 g, average market price for R1234yf refrigerant: 179.00 € / kg

Conventional competitor's unit

25 g refrigerant loss during used oil purging:	4.48 €
95% discharging of the A/C system (5% loss):	5.37 €
Cost of refrigerant loss per service run:	9.85 €
Annual cost of refrigerant loss based on 3 service runs per week:	- 1,536.60 €

versus Low Emission

0 g refrigerant during used oil purging:	0.00 €
99.9% discharging of the A/C system (1% loss via service coupler):	0.11 €
Cost of refrigerant loss per service run:	0.11 €
Annual cost of refrigerant loss based on 3 service runs per week:	- 17.16 €

Saving after 8 years (based on 3 service runs per week): **+12,155.52 €**

BMW 2500 Low Emission – 81 34 2 286 807

R 134a

- **Integrated Low Emission technology**
- **Charging cylinder storage capacity: 16 kg**
- **Patented feeding system for fresh oil and UV additive**
- **Print-out of important service data, several print-outs possible**
- Fully automatic refrigerant recycling, oil and additive management
- Automatic vacuum check
- Automatic charging of leak detection additive
- **Integrated refrigerant charging and recovery amount management**
- Integrated charging amount database
- **Close to 100% refrigerant recovery**
- **Virtually 0% service emission thanks to patented used oil container**
- Heated charging cylinder for high-speed charging, heat-up also possible during the charging process
- **Special, 8-bearing weighing platform**
- Special air conditioner flush function
- USB interface and Soft graphic display
- **BMW specific software**

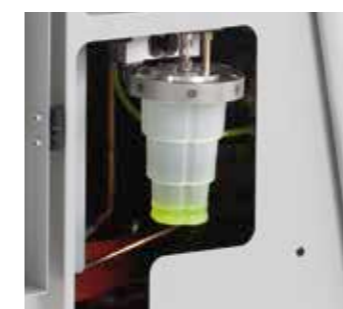
Scope of delivery: BMW 2500 A/C service unit, dust cover

SAE J 2099 / SAE J 2788



The BMW 2500 Low Emission integrates all refrigerant bearing components on the weighing platform. That means the complete amount of refrigerant contained in the unit can be recorded and the amount of the recovered refrigerant can be exactly determined. This in turn will tell the operator about potential leaks in the A/C system. The accurate diagnosis function of the BMW 2500 is also very useful with regard to decreasing refrigerant charging amounts on modern-

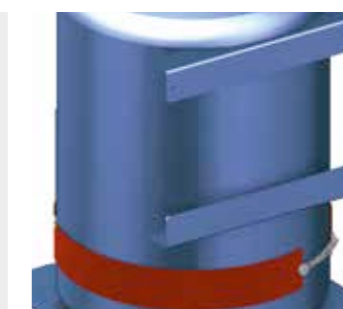
day vehicles. In the compact car segment we already see models with charging amounts of less than 300 g. Older A/C service units won't be able to charge these systems with the required accuracy. Excessive or insufficient charging, though, would entail major problems.



Patented used oil container



Option: Flush container for automotive A/C



Heating tape



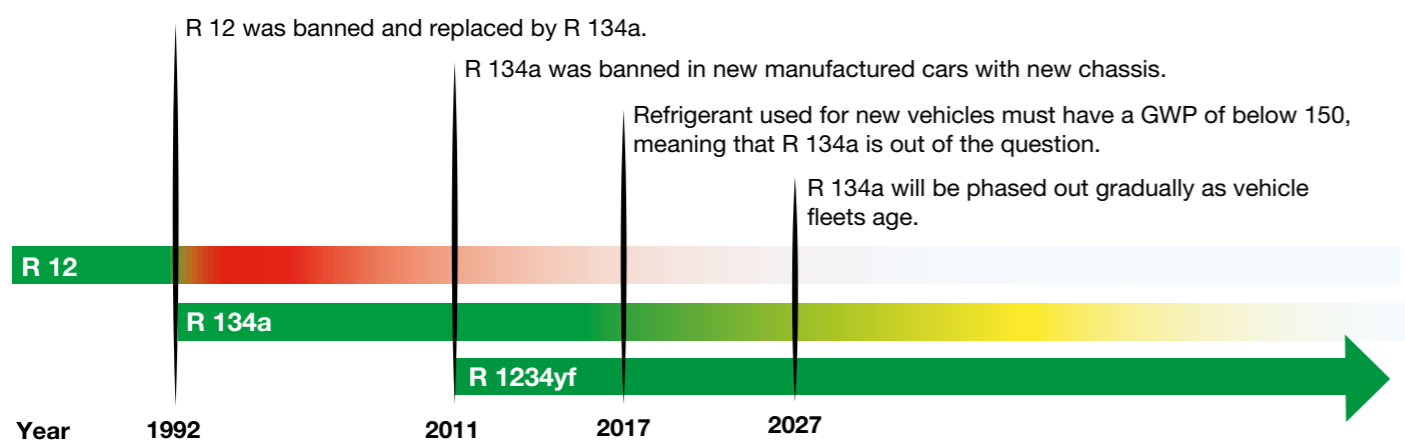
Data printer and USB port



BMW 5000 Low Emission with refrigerant purity analyser

The first new vehicle models with A/C systems prepared for the use of R 1234yf refrigerant have arrived. Brand-bound motor garages, in particular, are obliged to get prepared for servicing these systems. The TÜV-approved A/C service unit BMW 5000 from AirCon specialist WAECO is ideally suited for the purpose.

As R 1234yf is very sensitive to contamination with other refrigerants, **the BMW 5000 was fitted with an integrated analysis tool that checks the refrigerant purity.** Designed inside out for use with R 1234yf refrigerant, the unit meets all relevant safety regulations and provides many features that facilitate daily workshop routine.



BMW 5000 Low Emission – 81 43 2 286 324

R 1234yf

- **Integrated Low Emission technology**
- **Charging cylinder storage capacity: 16 kg, max. vacuum 0.3 mbar**
- **Integrated fully automatic refrigerant analysis function**
- Fully automatic refrigerant recycling, oil and additive management
- Automatic leak check prior to service start
- Automatic charging of leak detection additive
- **Integrated refrigerant charging and recovery amount management**
- Integrated charging amount database
- Complies with SAE J 2099 and SAE J 2843
- **Close to 100% refrigerant recovery**
- **Personalised charging amount database**
- Heated charging cylinder for high-speed charging, heat-up also possible during the charging process
- **Special, 8-bearing weighing platform**
- Special air conditioner flush function
- **BMW specific software**

Scope of delivery: BMW 5000 A/C service unit, dust cover, adapter, used oil container, standard full-view goggles, safety gloves,



Picture similar to product

Extra safety: The service unit comes with integrated refrigerant analysis function.

Eco-friendly and economical: close to 0% refrigerant lost during service thanks to the low-emission concept.

Automatic, regular leak check: Service couplers with clearance ventilation prevent refrigerant leakage.

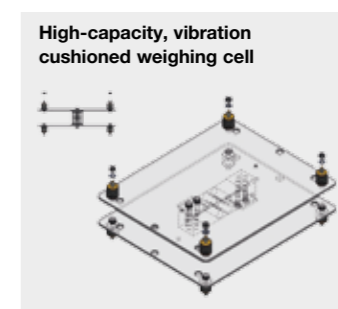
Switch-on delay and external ventilation: R 1234yf is inflammable under certain conditions. Therefore, the system start will only activate the external fan. After the fan has been running for 35 seconds, the voltage is passed on to the system.



Patented used oil container



Data printer and USB port



All refrigerant carrying components are placed on the main scales, which prevents measuring errors and thus saves time.



Electronic, dual fan control

BMW 2000 – 81 34 2 147 235

R 134a



BMW 2000 – Complete A/C service at the touch of a button

The AirCon Service Center BMW 2000 designed by work on automotive air conditioners faster, safer and more technology leader WAECO is setting new technical profitable – with intelligent technology and amazing standards in air conditioning workshops. It makes service details.

- **Charging cylinder storage capacity: 21 kg**
- **Encoded memory card for BMW units to be used for software updates**
- **Print-out of important service data, several print-outs possible**
- **BMW-specific print-out design**
- **Patented feeding system for fresh oil and UV additive**
- **BMW-specific software for pressure check**
- **Modified weighing unit to comply with BMW-specific charging accuracy classification**
- Fully automatic refrigerant recycling, oil and additive management
- Automatic vacuum check
- Automatic or manual charging of leak detection additive
- Heated charging cylinder for high-speed charging, heat-up also possible during the charging process
- Special air conditioner flush function
- USB interface and Soft graphic display
- Special weighing technology for BMW

Scope of delivery:

AirCon Service Center, dust cover, 500 ml TRACER® bottle, Denso oil 500 ml, 1 sales pack printer paper



Flush container

To be fitted on A/C service units

Integrated into the flushing circuit to speed up the process to the required level



TRACER® GLO-AWAY

Dye cleaner/remover

83 19 2 243 942 (Spray bottle 225 cm³)
81 34 2 147 550 (Refill bottle 450 cm³)



BMW UV leak detection kit

For leak detection on automotive air conditioners with R 134a in combination with PAG oil

81 34 0 301 361



Vacuum pump oil

For service work on vacuum pumps

Supplied in 1-litre bottles

83 19 2 232 502



TRACER® UV additive 500 ml

For BMW AirCon Service Center for approx. 71 applications when used in combination with AirCon Service Center

83 19 2 232 504



Original Denso ND8 oil

Denso original oil for BMW Moisture-free and clean storage

81 34 2 147 762



TRACER® bottle

For refrigeration and air conditioning systems (R 134a)

Refill bottle, sufficient for approx. 50 applications

83 19 2 243 934



BMW service quick couple

Designed for fast connection to air conditioners on BMW E60 vehicles

81 34 2 153 237



Hand pump

For adding leak detection additives

to the suction side of charged R 134a A/C systems

TP-9848 (Dometic WAECO ref. no.)



Sanden SPA2, 500 ml

Special oil for use in R 1234yf A/C systems

R 1234yf

8887200039 (Dometic WAECO ref. no.)



TRACER® cartridge

For refrigeration and air conditioning systems

For adding to the system when already charged, sufficient for approx. 14 applications

83 19 2 232 569 (sales pack: 3 pcs.)



UV glasses

81 34 2 153 238



Spare rolls for printer

81 34 2 147 553 (sales pack: 4 pcs.)



A/C WORKSHOP EQUIPMENT FROM THE NUMBER ONE IN THE MARKET



GERMANY

Dometic WAECO International GmbH
Hollefeldstraße 63
D-48282 Emsdetten
Tel +49 (0) 2572 879-0
Fax +49 (0) 2572 879-300
Mail info@dometic-waeco.de
Net www.dometic-waeco.de

AUSTRALIA

Dometic Australia Pty. Ltd.
1 John Duncan Court
Varsity Lakes QLD 4227
Tel +61 7 55076000
Fax +61 7 55076001
Mail sales@dometic-waeco.com.au

AUSTRIA

Dometic Austria GmbH
Neudorferstrasse 108
A-2353 Guntramsdorf
Tel +43 2236 908070
Fax +43 2236 90807060
Mail info@waeco.at

BENELUX

Dometic Benelux B.V.
Ecustraart 3
NL-4879 NP Etten-Leur
Tel +31 76 5029000
Fax +31 76 5029019
Mail info@dometic.nl

Dometic Branch Office Belgium

Zinkstraat 13
B-1500 Halle
Tel +32 2 3598040
Fax +32 2 3598050
Mail info@dometic.be

BRAZIL

Dometic DO Brasil LTDA
Avenida Paulista 1754, conj. 151
SP 01310-920 Sao Paulo
Tel +55 11 3251 3352
Tel +55 11 3251 3362
Mail info@dometic.com.br

DENMARK

Dometic Denmark A/S
Nordensvej 15, Taulov
DK-7000 Fredericia
Tel +45 75585966
Fax +45 75586307
Mail info@waeco.dk

FINLAND

Dometic Finland OY
Mestarin tie 4
FIN-01730 Vantaa
Tel +358 20 7413220
Fax +358 9 7593700
Mail info@dometic.fi

FRANCE

Dometic France SAS
ZA du Pré de la Dame Jeanne
B.P. 5
F-60128 Plailly
Tel +33 3 44633525
Fax +33 3 44633518
Mail automotive@dometic.fr

HUNGARY

DOMETIC PLC. SALES OFFICE
H-1147 Budapest
Kerékgyártóu. 5.
Tel +36 14 68 4400
Fax +36 14 68 4401
Mail budapest@dometic.hu

HONG KONG

WAECO Impex Ltd.
Suites 2207-11, 22/F, Tower 1
The Gateway, 25 Canton Road
Tsim Sha Tsui, Kowloon
Tel +852 2 4611386
Fax +852 2 4665553
Mail info@waeco.com.hk

ITALY

Dometic Italy S.r.l.
Via Virgilio, 3
I-47122 Forlì (FC)
Tel +39 0543 754901
Fax +39 0543 754983
Mail vendite@dometic.it

MEXICO

Dometic AB
Circuito Médicos No. 6 Local 1
Colonia Ciudad Satélite
CP 53100 Naucalpan de Juárez
Estado de México
Tel +52 55 5374 4108
Tel +52 55 5374 4106
Fax +52 55 5393 4683
Mail info@dometic.com.mx

NORWAY

Dometic Norway AS
Østerøyveien 46
N-3236 Sandefjord
Tel +47 33428450
Fax +47 33428459
Mail firmapost@dometic.no

POLAND

Dometic Poland Sp. z o.o.
ul. Puławska 435A
PL-02-801 Warszawa
Tel +48 22 414 3200
Fax +48 22 414 3201
Mail info@dometic.pl

RUSSIA

Dometic RUS LLC
Komsomolskaya square 6 – 1
RU-107140 Moscow
Tel +7 495 780 79 39
Fax +7 495 916 56 53
Mail info@dometic.ru

SINGAPORE

Dometic Pte Ltd
18 Boon Lay Way 06-140 Trade Hub 21
Singapore 609966
Tel +65 6795 3177
Fax +65 6862 6620
Mail dometic@dometic.com.sg

SLOVAKIA

Dometic Slovakia s.r.o.
Tehelná 8
SK-98601 Filakovo
Tel +421 47 4319 100
Fax +421 47 4319 144
Mail dometic@dometic.sk

SOUTH AFRICA

Dometic (Pty) Ltd.
Regional Office
South Africa & Sub-Saharan Africa
P.O. Box 2562
2008 Bedfordview
Tel +27 11 4504978
Fax +27 11 4504976
Mail info@dometic.co.za

SPAIN

Dometic Spain S.L.
Avda. Sierra del Guadarrama, 16
E-28691 Villanueva de la Cañada
Madrid
Tel +34 902 111 042
Fax +34 900 100 245
Mail info@dometic.es

SWEDEN

Dometic Scandinavia AB
Gustaf Melins gata 7
S-421 31 Västra Frölunda
Tel +46 31 7341100
Fax +46 31 7341101
Mail info@dometicgroup.se

SWITZERLAND

Dometic Switzerland AG
Riedackerstrasse 7a
CH-8153 Rümlang
Tel +41 44 8187171
Fax +41 44 8187191
Mail info@dometic-waeco.ch

UNITED ARAB EMIRATES

Dometic Middle East FZCO
P.O. Box 17860
S-D 6, Jebel Ali Freezone
Dubai
Tel +971 4 883 3858
Fax +971 4 883 3868
Mail info@dometic.ae

UNITED KINGDOM

Dometic UK Ltd.
Dometic House, The Brewery,
Blandford St. Mary
Dorset DT11 9LS
Tel +44 844 626 0133
Fax +44 844 626 0143
Mail automotive@dometic.co.uk