



LE GOUVERNEMENT
DU GRAND-DUCHÉ DE LUXEMBOURG

Ministère des Transports

L-2938 Luxembourg

SOCIÉTÉ NATIONALE DE
CERTIFICATION ET D'HOMOLOGATION

s.à r.l.

Registre de Commerce: B 27180

L-5201 Sandweiler



Référence: E13*67R00*67R01*0020*01

Annexes: - Rapport technique
- Fiche de renseignements du constructeur

Sandweiler, le 06 mai 2008

Communication concernant ¹⁾:

Communication concerning ¹⁾:



- **la délivrance d'une homologation**
approval granted
- **l'extension d'homologation**
approval extended
- **le refus d'homologation**
approval refused
- **le retrait d'homologation**
approval withdrawn
- **l'arrêt définitif de la production**
production definitely discontinued

d'un type d'équipement GPL en application du Règlement N° 67
of a type of LPG equipment pursuant to Regulation N° 67


Numéro d'homologation:

Approval number:

E13*67R00*67R01*0020*01

Marque d'homologation:

Approval mark:

 67R-010020 CLASS 3

1.

Équipement GPL ¹⁾:

LPG equipment considered ¹⁾:

Réservoir:

Container:

not applicable

Accessoires fixés au réservoir:

Accessories fitted to the container:

- 80 % stop valve
- level indicator
- pressure relief valve (discharge valve)
- pressure relief device
- remotely controlled service valve with excess flow valve

Bloc multivannes, y compris les accessoires suivants:

Multivalve, including the following accessories:

- ~~gas tight housing~~
- ~~power supply bushing (pump/actuators)~~
- ~~fuel pump~~
- ~~vaporizer/pressure regulator~~
- ~~shut-off valve~~
- ~~non return valve~~
- ~~gas tube pressure relief valve~~
- ~~service coupling~~
- ~~flexible hose~~
- **remote filling unit**
- ~~gas injection device or injector~~
- ~~fuel rail~~
- ~~gas dosage unit~~
- ~~gas mixing piece~~
- ~~electronic control unit~~
- ~~pressure/temperature sensor~~
- ~~LPG filter unit~~

2. Marque de fabrique ou de commerce:

Trade name or mark:

BRC Gas Equipment, BRC, M.T.M., Kit MTM, IMPCO, IMPCO Technologies, ZAVOLI, Tartarini Auto, Stargas, Roxer, Nuova GGL, Mandini, Liotard, Comit

Type:

Type:

B1

3. Nom et adresse du fabricant:

Manufacturer's name and address:

M.T.M. s.r.l.
Via La Morra, 1
I-12062 Cherasco (CN)

4. Le cas échéant, nom et adresse du mandataire du fabricant:

If applicable, name and address of manufacturer's representative:

not applicable

5. Equipement présenté à l'homologation le:

Submitted for approval on:

02.05.2008

6. Autorité déléguée:

Assigned authority:

*Société Nationale de Certification et d'Homologation
L-5201 Sandweiler*

Service technique chargé des essais d'homologation:

Technical service responsible for conducting approval tests:

Luxcontrol SA
B.P. 349
L-4004 Esch-sur-Alzette

7. Date du procès-verbal délivré par ce service:

Date of report issued by that service:

05.05.2008

8. Numéro du procès-verbal:

Number of report issued by that service:

LCA 54 0280 009 08

9. L'homologation est:

Approval:

extended

10. Raisons de l'extension (éventuellement):

Reason(s) for extension (if applicable):

- Editorial arrangement;
- Regulation updated;
- Trade marks added.

11. **Lieu:**
Place: Sandweiler
12. **Date:**
Date: 06 mai 2008
13. **Signature:**
Signature:

Pour le Ministre des Transports



Handwritten signature of Marco Feltes.

Marco FELTES
Inspecteur Principal

Pour la SNCH



Handwritten signature of Claude Liesch.

Claude LIESCH
Conseiller de Direction

14. **Des copies soumis dans le dossier d'homologation ou d'extension de l'homologation peuvent être obtenues sur demande.**
The documents filed with the application or extension of approval can be obtained upon request.

see: INDEX to TYPE-APPROVAL REPORT

APPENDICE 1 (réservoirs uniquement)
APPENDIX 1 (containers only)

1. Caractéristiques du réservoir de base (config. 00)
Container characteristics from the parent container (configuration 00)

- a) Marque de fabrique ou de commerce:**
a) Trade name or mark: not applicable
- b) Forme:**
b) Shape: not applicable
- c) Matériau:**
c) Material: not applicable
- d) Ouvertures:**
d) Openings: not applicable
- e) Epaisseur de la paroi:**
e) Wall thickness: not applicable
- f) Diamètre (réservoir cylindrique):**
f) Diameter (cylindrical container): not applicable
- g) Hauteur (forme de réservoir spéciale):**
g) Height (special container shape): not applicable
- h) Surface externe:**
h) External surface: not applicable
- i) Configuration des accessoires fixés au réservoir (voir tableau 1):**
i) Configuration of accessories fitted to container (see table 1):

Tableau 1:

Table 1:

N° N°	Accessoires Item	Type Type	N° d'homologation Approval N°	N° d'extension Extension N°
a)	Limiteur de remplissage à 80%: 80% stop valve:	-	-	-
b)	Jauge: Level indicator:	-	-	-
c)	Soupape de surpression: Pressure relieve valve:	-	-	-
d)	Vanne d'isolement avec limiteur de débit: Remotely controlled service valve with excess valve:	-	-	-
e)	Pompe à GPL: Fuel pump:	-	-	-
f)	Bloc multivannes: Multi-valve:	-	-	-
g)	Enceinte étanche: Gas-tight housing:	-	-	-
h)	Raccord électrique d'alimentation: Power supply bushing:	-	-	-
i)	Soupape antiretour: Non return valve:	-	-	-
j)	Dispositif de surpression: Pressure relief device:	-	-	-

2. Liste des réservoirs de la même famille (les listes des réservoirs de la même famille indiquent le diamètre, la capacité, la surface externe et la (les) configuration(s) possible(s) des accessoires fixés au réservoir):

List of container family (The lists of the container family indicate the diameter, capacity, external surface and the possible configuration(s) of the accessories fitted to the container):

Tableau 2:

Table 2:

N° N°	Type Type	Diamètre/hauteur Diameter/height [mm]	Capacité Capacity [l]	Surface externe External surface [cm ²]	Configuration des accessoires Configuration of accessories [codes] ¹
-	-	-	-	-	-
-	-	-	-	-	-

3. Listes des configurations possibles des accessoires fixés au réservoir (indiquer la liste des accessoires possibles, qui diffèrent de la configuration essayée (code 00) et qui peuvent être fixés au type de réservoir en question. Pour tous les accessoires, préciser le type, le numéro d'homologation et le numéro d'extension, en indiquant pour chacun son propre code de configuration):

Lists of the possible configurations of accessories fitted to the container (Specify a list of the possible accessories, which differ from the tested configuration of accessories (code 00) and which may be fitted to the type of container. Specify for all accessories, type, approval number and extension number, indicating its own configuration code):

Tableau 3:

Table 3:

N° N°	Accessoires Accessories	Type Type	N° d'homologation Approval N°	N° d'extension Extension N°	Configuration des accessoires [code] Configuration of accessories [code]
a)	-	-	-	-	-

¹⁾ **Biffer les mentions inutiles.**

Strike out what does not apply.



Référence: E13*67R00*67R01*0020*01

Annexes: - Rapport technique
- Fiche de renseignements du constructeur

Sandweiler, le 06 mai 2008

INDEX DU DOSSIER D'HOMOLOGATION INDEX TO TYPE-APPROVAL REPORT

Numéro d'homologation:

Approval number:

E13*67R00*67R01*0020*01

Révision:

Revision:

00

Marque de fabrique ou de commerce:

Trade name or mark:

BRC Gas Equipment, BRC, M.T.M., Kit MTM, IMPCO,
IMPCO Technologies, ZAVOLI, Tartarini Auto, Stargas,
Roxer, Nuova GGL, Mandini, Liotard, Comit

Type:

Type:

B1

1.

Procès-verbal d'essai:

Test report:

N° LCA 54 0280 009 08

- Technical report:

Page(s) 1 to 6;

- Index:

Annex A - Page(s) 1.

2.

Dossier du constructeur:

Report of the manufacturer:

N° ---

- Manufacturer's information document:

Page(s) 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 21;

- Drawings of the device:

Page(s) 13, 14, 15, 16, 17, 18, 19, 20.

3.

Autres documents annexés:

Other documents annexed:

not applicable

4.

Date de délivrance de l'homologation initiale:

Date of issue of initial type approval:

23.08.2000

5.

Date de la dernière délivrance de pages révisées:

Date of last issue of revised pages:

not applicable

6.

**Date de la dernière délivrance d'une homologation
révisée:**

Date of last extension:

06.05.2008

TECHNICAL REPORT

No.: LCA 54 0280 009 08

Inspection concerning the

Specific equipment of motor vehicles using liquefied petroleum gases in their propulsion system

performed according to

ECE – Regulation No. 67

Type: **B1**
Manufacturer: **MTM S.r.l.**
Via La Morra, 1
12062 Cherasco (CN); Italy

Extension 1 to ECE Type Approval no.: E13*67R00*67R01*0020*00

Index:

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2. Inspections and their results	Page	2
3. Evaluation of test results	Page	5
4. Statement of compliance	Page	6
5. Annex (beginning with an index)		

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1. General

1.1. Test Provisions

The inspection was carried out according to the requirements of ECE-Regulation No. 67 including Supplement 8 to the 01 series of amendments, which entered into force on February 3, 2008.

1.2. Information concerning the vehicle type and the requested approval

The statements below apply to the previous ECE type-approval as referred to on page 1.

1.2.1. [] Numbering according to the communication concerning the approval of ECE-R67

[1.] LPG equipment considered:

Filling unit
- **Type: B1**

[2.] Trade name or mark:

**BRC Gas Equipment, M.T.M, IMPCO, IMPCO Technologies, Zavoli,
BRC, Kit MTM
Tartarini Auto
Stargas
Roxer
Nuova GGL
Mandini
Liotard
Comit**

[3.] Manufacturer's name and address:

**MTM S.r.l.
Via La Morra, 1
12062 Cherasco (CN); Italy**

[4.] If applicable, name and address of manufacturer's representative:

Not applicable

[5.] Submitted for approval on: **2.05.2008**

[10.] Reason(s) of extension:

added trade marks

...



2. Inspections and their results

2.1. Version of the tested equipment

The following variants have been used for testing (if not stated in part 1.2.1. of this report):

Not applicable

2.2. Inspection items

	Location of test:	Date of receipt of test item:	Date of test:	Inspector
Main Report	Bollate (Italy)	30.8.2000	30.8.2000	--
Extension 1	L-4004 Esch/Alzette	Not applicable	2.05.2008	D. Durazzi

2.2.1. General

The marking requirements according to item 4.1. and 4.2. of Part I of the Regulation are fulfilled.

Every material of the equipment in contact with LPG is compatible with it.

The installation of the component of the LPG-equipment has no electrical components. The requirements, concerning the relevant electromagnetic compatibility according to the Regulation 10.02 series of amendments, or equivalent, are not applicable.

The gas-filling unit has parts of class 3.



2.2.2. Inspections: (according to Annex 9)

Tests	Test results	Line item
Overpressure test	no rupture or permanent distortion at a pressure of 6750 kPa	Annex 15, par. 4
External leakage test	leakage from stem or body seals or other joints less than 15 cm ³ / hour under a pressure of 6750 kPa at room temperature, - 20°C and + 65°C	Annex 15, par. 5
High temperature test	leakage from stem or body seals or other joints less than 15 cm ³ / hour under a pressure of 6750 kPa at -65°C after 8 hours of conditioning	Annex 15, par. 6
Low temperature test	leakage from stem or body seals or other joints less than 15 cm ³ / hour under a pressure of 6750 kPa at - 20°C after 8 hours of conditioning	Annex 15, par. 7
Seat leakage test	no leakage occurred	Annex 15, par. 8
Endurance test	after 6000 cycles of opening and closing, the valve passed the requirements of Annex 15, par. 5 and 8	Annex 15, par. 9
LPG compatibility	all the synthetic materials used satisfy the requirements	Annex 15, par. 11
Corrosion resistance	requirements fulfilled	Annex 15, par. 12
Resistance to dry heat	all the synthetic materials used satisfy the requirements	Annex 15, par. 13
Ozone ageing	all the synthetic materials used satisfy the requirements	Annex 15, par. 14
Creep test	all non metallic parts fulfilled the requirements	Annex 15, par. 15
Temperature cycle	all non metallic parts fulfilled the requirements	Annex 15, par. 16
Provisions regarding electrical insulation	not applicable (no electrical connection)	Part I, 6.15.2.
Provisions regarding non return valve	requirements fulfilled	Part I, 6.15.9.
Provisions regarding the filling unit	requirements fulfilled	Part I, 6.15.10.

...



2.3. Remarks

Inspection results are only applicable to items, which have been tested.

2.4. Test facilities

Calibration of measuring and test equipment used to carry out the inspections is in accordance with the EEC-Directive and/or ECE-Regulation stated in 1.1. of this report and with ISO 17025.

Inspectors stated under 2.2. of this report were in charge of performing and/or evaluating the tests.

3. Evaluation of test results

3.1. Variants and equipment covered

The tests carried out cover the following variations as far as these are relevant for the gas unit:

- Versions as stated in the information document
- Trade names as stated in the information document

3.2. Remarks

3.2.1. Main report:

Not applicable

3.2.2. Extension 1:

The stated changes did not require new tests to be performed.



4. **Statement of compliance**

The inspections items and measurements carried out have shown the compliance of the vehicle type described in this report and the attached Annex with the requirements of ECE-Regulation No. 67 including Supplement 8 to the 01 series of amendments, which entered into force on February 3, 2008.

Esch/Alzette, 05 May 2008

Luxcontrol s.a.
Service Homologation-automobile

David Durazzi
Ingénieur-Inspecteur

Mauro Moscardelli
Ingénieur-Inspecteur

Annex



Index to the information package, including a summary in chronological order, concerning extensions and/or amendments

EEC type-approval No.: E13*67R00*67R01*0020*00

Main Report

Technical Report No.: LCA 54 280 007 0 Page 1 to 6

Composition of the Annex:

A: Index Page 1
B: Information folder Page 1 to 20

Extension 1

Technical Report No.: LCA 54 0280 009 08 Page 1 to 6

Composition of the Annex:

A: Index Page 1
B: Information folder
- to be added: Page 21

Contents of the extension

to be added:

- trade marks “IMPCO”, “IMPCO Technologies”, “ZAVOLI”, “BRC”, “M.T.M.”, “Kit MTM”

to be updated:

- the supplement level of the regulation
- the editorial arrangement

Index to the information folder:

- manufacturer's information document (page 1 to 21)



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e-mail: info@brc.it

P.IVA 00525960043
CCIAA Cuneo n. 107283
Reg. Imp.Uff. Alba n. 1423
Capitale Sociale:
EURO 2.400.000 i.v.
(Lire 4.647.048.000)



B1

1. List of modifications.

No modification are insert

2. Material

No new Materials added

3. Trade Marks

The trade marks below shall be for all the filling unit versions

BRC,
IMPCO,
IMPCO Technologies,
M.T.M.,
ZAVOLI,
Kit MTM

4. Marking

Markings shall be also on a specific label (as alternative of the present configuration)

5. Drawings

No new drawings