

(Directives 2009/142/CE « Appareils à gaz » et 92/42/CE « Rendement des chaudières »)  
(« Gas appliances » 2009/142/EC and 92/42/EC « Boilers efficiency » Directives)

**Numéro : 1312BT5288** (rév. 4)

**CERTIGAZ**, après examen et vérifications, certifie que l'appareil :

**CERTIGAZ**, after examination and verifications, certifies that the appliance :

- **Fabriqué par :**  
*Manufactured by :*

**UNICAL AG SpA**  
**Via Roma, 123**  
**I-46033 CASTEL D'ARIO (MN)**

- **Marque commerciale et modèle(s) :**  
*Trade mark and model(s) :*

**UNICAL**

➤ ALKON 09 C 24 – ALKON 09 R 24 – ALKON 09 C 18  
➤ ALKON 09 R 18 – ALKON C 24 HE – ALKON R 24 HE  
➤ ALKON C 18 HE – ALKON R 18 HE – ALKON 09 R 12  
➤ ALKON C 28 HE – ALKON R 28 HE – ALKON C 35 HE  
➤ ALKON R 35 HE

- **Genre de l'appareil :**  
*Kind of the appliance :*

**CHAUDIERE CONDENSATION**  
**CONDENSING BOILER**

(Types : B23, C13, C33, C43, C53, C63, C83, C13x, C33x, C43x, C63x, C83x)

- **Désignation du type :**  
*Type designation :*

**ALKON 09**

| Pays de destination<br><i>Destination countries</i> | Pressions (mbar)<br><i>Pressures (mbar)</i> | Catégories<br><i>Categories</i> |
|-----------------------------------------------------|---------------------------------------------|---------------------------------|
| FR                                                  | 20/25 ; 37                                  | II2Esi3P                        |
| ES-GB-IE-IT-PT-GR-SE-NO                             | 20 ; 37                                     | II2H3P                          |
| DE                                                  | 20 ; 50                                     | II2ELL3P                        |
| HU                                                  | 25 ; 50                                     | II2HS3P                         |
| AT-CH-TR-HR-CZ-SK-SI                                | 20 ; 50                                     | II2H3P                          |
| LV-EE-LT                                            | 20                                          | I2E                             |
| BE                                                  | 20/25                                       | I2E(S)                          |
| BE                                                  | 37                                          | I3P                             |
| NL                                                  | 25 ; 50                                     | II2L3P                          |
| BG-CN-RU-RO-YU                                      | 20                                          | I2H                             |
| PL                                                  | 20 ; 13 ; 37                                | II2ELs3P                        |
| LU                                                  | 20 ; 50                                     | II2E3P                          |
| BA                                                  | 25                                          | I2H                             |

est conforme aux exigences essentielles des directives « Appareils à gaz » 2009/142/CE et « Rendement des chaudières » 92/42/CE.

is in conformity with essential requirements of 2009/142/EC « Gas appliances » and 92/42/EC « Boiler efficiency » directives.

**CERTIGAZ**  
**Le Directeur Général**

**Kris DE WIT**

**Neuilly le : 17 mars 2011**

Rév. 4 : 1312BT5288 du 2008/12/16

# PERFORMANCES ENERGETIQUES

## ENERGY PERFORMANCE

Directive 92/42/CE « Rendement des chaudières »  
92/42/EC « Boilers efficiency » Directive

**Annexe au certificat**

**Numéro : 1312BT5288 (rév. 4)**

**- Fabricant :**  
*Manufacturer :*

**UNICAL AG SpA**  
**Via Roma, 123**  
**I-46033 CASTEL D'ARIO (MN)**

**- Type de chaudière :**  
*Type of boiler :*

**CHAUDIERE CONDENSATION**  
**CONDENSING BOILER**  
(Types : B23P, C13, C33, C43, C53, C63, C83, C13x, C33x, C43x, C63x, C83x)

| <b>Marque commerciale<br/>et Modèle(s)</b><br><i>Trade mark and Model(s)</i>                                                                                                                                                                                                                                            | <b>Label</b><br><i>Label</i> |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|
| <div>UNICAL</div> <ul style="list-style-type: none"> <li>➤ ALKON 09 C 24 – ALKON 09 R 24 – ALKON 09 C 18</li> <li>➤ ALKON 09 R 18 – ALKON C 24 HE – ALKON R 24 HE</li> <li>➤ ALKON C 18 HE – ALKON R 18 HE – ALKON 09 R 12</li> <li>➤ ALKON C 28 HE – ALKON R 28 HE – ALKON C 35 HE</li> <li>➤ ALKON R 35 HE</li> </ul> | <b>4 ★</b>                   |

Neuilly le : 17 mars 2011

Rév. 4 : 1312BT5288 du 2008/12/16

## DECLARATION MADE BY

CERTIGAZ

ON BEHALF OF

UNICAL SpA

Via Roma, 123

I-46033 CASTEL D'ARIO (MN)

| Tests performed on LPG/NG see note below | Original Boiler Name | UK Market Name | Full Load Efficiency (% net) | Part Load Efficiency (% net) |
|------------------------------------------|----------------------|----------------|------------------------------|------------------------------|
| NG                                       | ALKON C 28 HE        | ALKON C 28 HE  | 97,62                        | 109,28                       |
| NG                                       | ALKON R 28 HE        | ALKON R 28 HE  | 97,62                        | 109,28                       |
| NG                                       | ALKON C 35 HE        | ALKON C 35 HE  | 97,94                        | 109,59                       |
| NG                                       | ALKON R 35 HE        | ALKON R 35 HE  | 97,94                        | 109,59                       |

Boilers marked with an asterisk[\*] are LPG models where the tests were carried out using Natural Gas [G20].

We declare that the full and part load efficiency test results detailed above have been obtained by means deemed to satisfy the Boiler Efficiency Directive (92/42/EEC). The water temperature criteria defined in the Boiler Efficiency Directive [see below] have been satisfied in obtaining these results.

| Type of Boiler                       | Range of Power | Efficiency at rated output       | Efficiency at part load          |
|--------------------------------------|----------------|----------------------------------|----------------------------------|
|                                      | kW             | Average boiler-water temperature | Average boiler-water temperature |
| Standard boilers                     | 4 to 400       | 70°C                             | ≥ 50°C                           |
| Low temperature boilers <sup>1</sup> | 4 to 400       | 70°C                             | 40°C                             |
| Gas condensing boilers               | 4 to 400       | 70°C                             | 30°C <sup>2</sup>                |

<sup>1</sup> Including condensing boilers using liquid fuels.

<sup>2</sup> Temperature of boiler water supply.

(Table reproduced from The Boiler (Efficiency) Regulations 1993)

Signed on behalf of [Insert name of Notified Body]:

Date : 17 mars 2011

Print Name : Carole KIRRY

Position : Gas Certification Engineer

# WRAS<sup>®</sup>

Water Regulations Advisory Scheme

*This certifies that*

**UNICAL AG SPA.**

*has had the undermentioned product examined, tested  
and found, when correctly installed, to comply with  
the requirements of the United Kingdom Water Supply  
(Water Fittings) Regulations/Scottish Water Byelaws.*

**ALKON C 18HE & ALKON C 24HE COMBINATION BOILERS**

***Reference should be made to the accompanying acceptance letter for installation requirements***

*The product so mentioned will be listed in the  
Water Fittings and Materials Directory  
for a period until:*

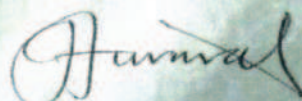
**20 JULY 2015**

**1007337**

*Certificate No.*



*Chairman, Test and Assessment Group*



*Secretary*

**WRAS**  
**APPROVED  
PRODUCT**