



Product Conformity Certificate

kiwa



Partner for progress

Numero / Number | 5500

Sostituisce / Replaces -

Emesso / issued | 26/09/2006

Scopo / Scope

Directive 90/396/CEE

Allegato / Annex

3 pagine / pages

Rapporto / Report: 301154

Pag. 1 di 2

Kiwa Gastec Italia certifica che

Kiwa Gastec Italia hereby declares that

i prodotti riportati nelle pagine seguenti, costruiti da

the products mentioned in the following pages, made by

Brahma S.p.A.

di / in | Legnago (VR), Italia

soddisfano i requisiti riportati nella

meet the essential requirements as described in the

Direttiva Apparecchi a Gas (90/396/CEE)

Directive on appliances burning gaseous fuels (90/396/CEE)

La conformità è basata sull'esame della **EN 298** (settembre 2003)

The compliance is based on examination to EN 298 (September 2003)

Kiwa Gastec Italia Spa.

Daniel Vangheluwe
Vice Presidente

*E' permessa la pubblicazione del certificato.
Publication of the certificate is allowed.*

Kiwa Gastec Italia Spa.

Via Treviso, 32/34

31020 San Vendemiano (TV)

Tel. 0438 411755 Fax 0438 22428

GASTEC

Notified Body

0694





kiwa



Partner for progress

Product Conformity Certificate

Numero / Number	15500	Sostituisce / Replaces	-
Emesso / issued	26/09/2006	Scope / Scope	Directive 90/396/CEE
		Allegato / Annex	3 pagine / pages

Rapporto / Report: 301154

Pag. 2 di 2

Kiwa Gastec Italia certifica che i sistemi di controllo fiamma automatico, tipi

Kiwa Gastec Italia hereby declares that the automatic burner control system, types

Marchia / Trade mark: **Brahma**
 Serie/ series: **EUROFLAT**
 Modelli / models: **CM#..., MM#..., SM#...**

Fare riferimento alle pagine allegate per la lista completa dei modelli
Refer to next pages for complete models list

costruiti da /
made by
 di / in: **Brahma S.p.A.**
 Legnago (VR), Italia

NIP/ PIN : 0694BR1154
 Rapporto / report : 301154

I suddetti prodotti sono stati approvati per
Mentioned products have been approved for

AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR e/and EFTA paesi/countries

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0694



EC type-examination certificate I5500 – Annex 1

Pagina 1 di 3
Page 1 of 3

Information on the EC type-examination certificate, issued by
Kiwa Gastec Italia Spa., Via Treviso 32/34, I-31020 San Vendemiano (TV), Italy

File no.: 0694/I5500/301154 dated: 26/09/2006

Brahma S.p.A. automatic burner control system(s), series EUROFLAT model CM#..., MM#..., SM#...

Scope:

The Brahma S.p.A. automatic burner control system(s), series EUROFLAT model CM#..., MM#..., SM#..., are intended for use on gas fired appliances and non-permanent operation, as stated in clause 9 of EN 298 (September 2003).

The above mentioned control(s) are provided with an enclosure and are intended for installation within an appliance enclosure.

List of available types:¹

EN 298:03 compliant	Lock-out	atm / fan	Flame detection
CM11#...	non-volatile	atm	dedicated probe for ionisation
CM31#...	non-volatile	fan	dedicated probe for ionisation
CM32#...	non-volatile	fan	dedicated probe for ionisation
MM32#...	non-volatile	fan	single electrode for ignition and ionisation
MM51#...	non-volatile	atm	single electrode for ignition and ionisation
SM11#...	non-volatile	atm	dedicated probe for ionisation

Notes.

¹ = each type has programmed timings as marked on the housing and several parameter options; see next page

ALLEGATO - ANNEX



EC type-examination certificate I5500 – Annex 1

The BRAHMA automatic burner control system denominations are generated by the below listed parts:

Type				Options					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)

List and Description of the approved configurations

Model:

- (1) C: dedicated probes for ionisation and ignition
M: single electrode for ignition and ionisation
S: dedicated probes for ionisation and ignition and with auxiliary contact command
- (2) M: non-volatile lock-out
- (3) 1: without fan (for open chamber appliances)
3: with fan (for sealed chamber appliances)
5: without fan, with auxiliary contact command, with single electrode for ignition and ionisation
- (4) 1: version with command for one electro-valve (EVG) or electro-valve and auxiliary contact
2: version with command for two electro-valves (EVG)

Options:

- (5) #: EN 298:03 compliant version (xMxx versions only)
- (6) *: special version (based on client requests)
- (7) P: protected against the inversion of the air pressure-switch connection (xx3x versions only)
- (8) A: version with increased igniter output voltage
- (9) 0: version with enclosure made of class UL-V0 material
- (10) S: version with reduced frequency ignition discharge

ALLEGATO - ANNEX

**EC type-examination certificate I5500 – Annex 1**Pagina 3 di 3
Page 3 of 3**Specifications:**

Electrical supply:	230 V – 50/60 Hz 110-120V – 50/60 Hz (on request)
Ambient temperature:	-20°C to + 60°C
Protection degree:	IP 00
Flame detection:	Ionisation
Applied technology:	Analogical electronics

Outputs:

Room thermostat:	230 Vac	max 4 A	cosφ ≥ 0.4
Gas valve output EVG1:	230 Vac	max 0.5 A	cosφ ≥ 0.4
Gas valve output EVG2:	230 Vac	max 0.5 A	cosφ ≥ 0.4
Fan output:	230 Vac	max 1 A	cosφ ≥ 0.4
Lock-out lamp:	230 Vac	max 0.5 A	cosφ = 1
Auxiliary contact:	230 Vac	max 0.5 A	cosφ ≥ 0.4

Times:

Waiting or Pre-purge time:	TW	1,5 ... 60 s
Safety time:	TS	1,5 ... 60 s
Reaction time:		≤1 s

Behaviour after flame failure:

series EUROFLAT model CM#..., MM #..., SM#...

- flame failure during safety time causes spark restoration followed by non-volatile lock-out
- flame failure during normal operation causes recycling (1x) followed by non-volatile lock-out

Special conditions:

During appliance approval it shall be verified that the re-ignition attempts do not overrule the safety thermostat and/or the limit thermostat operation.

ALLEGATO - ANNEX



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Partner for progress

Product Conformity Certificate

Numero / Number 15500

Sostituisce / Replaces -

Emesso / Issued 26/09/2006

Scopo / Scope

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Brahma S.p.A.

di / in Legnago (VR), Italia

soddisfano i requisiti riportati nella
meet the essential requirements as described in the


Direttiva Apparecchi a Gas (90/396/CEE)

Directive on appliances burning gaseous fuels (90/396/CEE)

La conformità è basata sull'esame della **EN 298** (ottobre 1993)

The compliance is based on examination to EN 298 (October 1993)

Kiwa Gastec Italia Spa.


Daniel Vangheluwe
Vice Presidente

E' permesso la pubblicazione del certificato.
Publication of this certificate is allowed.

Kiwa Gastec Italia Spa.

Via Treviso, 32/34

31020 San Vancentiano (TV)

Tel. 0428 411755 Fax 0428 22428

GASTEC

Notified Body

0694





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Numero / Number | 5500 Sostituisce / Replaces -
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Pag. 2 di 2

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Kiwa Gastec Italia hereby declares that the automatic burner control system, types

Marchio / trade mark: **Brahma**
Serie / series: **EUROFLAT**
Modelli / models: **CE..., CM..., ME..., MM..., SE..., SM...**

Fare riferimento alle pagine allegate per la lista completa dei modelli
Refer to next pages for complete models list

costruiti da /
made by
di / in **Brahma S.p.A.**
Legnago (VR), Italia

NIP / PIN : 06948R1154
Rapporto / report : 301154

I suddetti prodotti sono stati approvati per
Mentioned products have been approved for

AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT,
LT, LU, LV, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR e/and EFTA paesi/countries

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EC type-examination certificate I5500 – Annex 1

 Pagina 1 di 3
 Page 1 of 3

Information on the EC type-examination certificate, issued by
 Kiwa Gastec Italia Spa., Via Treviso 32/34, I-31020 San Vendemiano (TV), Italy

File no.: 0694/I5500/301154 dated: 26/09/2006

Brahma S.p.A. automatic burner control system(s), series EUROFLAT model CE..., CM..., ME..., MM..., SE..., SM...

Scope:

The Brahma S.p.A. automatic burner control system(s), series EUROFLAT model: CE..., CM..., ME..., MM..., SE..., SM..., are intended for use on gas fired appliances and non-permanent operation, as stated in clause 9 of EN 298 (October 1993).

The above mentioned control(s) are provided with an enclosure and are intended for installation within an appliance enclosure.

List of available types:

EN 298:93 compliant	Lock-out	atm / fan	Flame detection
CE11...	volatile	atm	dedicated probe for ionisation
CE31...	volatile	fan	dedicated probe for ionisation
CE32...	volatile	fan	dedicated probe for ionisation
CM11...	non-volatile	atm	dedicated probe for ionisation
CM31...	non-volatile	fan	dedicated probe for ionisation
CM32...	non-volatile	fan	dedicated probe for ionisation
ME32...	volatile	fan	single electrode for ignition and ionisation
ME51...	volatile	atm	single electrode for ignition and ionisation
MM32...	non-volatile	fan	single electrode for ignition and ionisation
MM51...	non-volatile	atm	single electrode for ignition and ionisation
SE11...	volatile	atm	dedicated probe for ionisation
SM11...	non-volatile	atm	dedicated probe for ionisation

Notes:

- each type has programmed timings as marked on the housing and several parameter options; see next page

ALLEGATO - ANNEX



EC type-examination certificate I5500 – Annex 1

The BRAHMA automatic burner control system denominations are generated by the below listed parts:

Type	Options									
(1) (2) (3) (4)	(6) (7) (8) (9) (10)									

List and Description of the approved configurations

Model:

- (1) C: dedicated probes for ionisation and ignition
M: single electrode for ignition and ionisation
S: dedicated probes for ionisation and ignition and with auxiliary contact command
- (2) E: volatile lock-out (RESET by supply interruption)
M: non-volatile lock-out
- (3) 1: without fan (for open chamber appliances)
3: with fan (for sealed chamber appliances)
5: without fan, with auxiliary contact command, with single electrode for ignition and ionisation
- (4) 1: version with command for one electro-valve (EVG) or electro-valve and auxiliary contact
2: version with command for two electro-valves (EVG)

Options:

- (6) *: special version (based on client requests)
- (7) P: protected against the inversion of the air pressure-switch connection (xx3x versions only)
- (8) A: version with increased igniter output voltage
- (9) O: version with enclosure made of class UL-V0 material
- (10) S: version with reduced frequency ignition discharge

ALLEGATO - ANNEX



EC type-examination certificate I5500 – Annex 1

Pagina 3 di 3
Page 3 of 3

Specifications:

Electrical supply:	230 V – 50/60 Hz
	110-120V – 50/60 Hz (on request)
Ambient temperature:	-20°C to + 60°C
Protection degree:	IP 00
Flame detection:	Ionisation
Applied technology:	Analogical electronics

Outputs:

Room thermostat:	230 Vac	max 4 A	cosφ ≥ 0.4
Gas valve output EVG1:	230 Vac	max 0.5 A	cosφ ≥ 0.4
Gas valve output EVG2:	230 Vac	max 0.5 A	cosφ ≥ 0.4
Fan output:	230 Vac	max 1 A	cosφ ≥ 0.4
Lock-out lamp:	230 Vac	max 0.5 A	cosφ = 1
Auxiliary contact:	230 Vac	max 0.5 A	cosφ ≥ 0.4

Times:

Waiting or Pre-purge time:	TW	1,5 ... 60 s
Safety time:	TS	1,5 ... 60 s
Reaction time:		≤1 s

Behaviour after flame failure:

series EUROFLAT model CM..., MM..., SM...

- flame failure during safety time causes spark restoration followed by non-volatile lock-out
- flame failure during normal operation causes recycling (1x) followed by non-volatile lock-out

series EUROFLAT model CE..., ME..., SE...

- flame failure during safety time causes spark restoration followed by volatile lock-out
- flame failure during normal operation causes recycling (1x) followed by volatile lock-out

Special conditions:

The EUROFLAT series, models CE..., SE..., ME... of these models of control sia therefore restricted to only those appliances where resetting by switching off the heat demand is allowed by the specific European standards.

During appliance approval it shall be verified that the re-ignition attempts do not overrule the safety thermostat and/or the limit thermostat operation.

ALLEGATO - ANNEX