



Number	KIP-16423/G	Replaces	KIP-15574/G
Issue date	26-09-2019	Contract number	I7800
Due date	25-09-2029	Scope	(EU) 2016/426 (9 March 2016)
Report number	2000870/1	Module	B (Type testing)
PIN	0476CS0870		

EU TYPE-EXAMINATION CERTIFICATE (GAR)

Kiwa Cermet Italia declares that the automatic control system(s), type(s):

Series REFLAM-H

Manufacturer

ESA S.P.A.
Via Canovine 2/4,
24126, Bergamo (BG), Italy

Meet the essential requirements as described in the
Regulation (EU) 2016/426 relating to appliances burning gaseous fuels.

Reference standard: EN 298:2012, EN 14459:2007

This certificate is only valid in combination with the appendix to this certificate, where specific information and/or conditions are given.

CERTIFICATE

Kiwa Cermet Italia S.p.A.
Società con socio unico, soggetta all'attività di
direzione e coordinamento di Kiwa Italia
Holding Srl

Via Cadriano, 23
40057 Granarolo dell'Emilia (BO)

Unità locale

Via Treviso 32/34
31020 San Vendemiano (TV)

Tel +39. 0438 411755

Fax +39.0438 22428

E-mail: info@kiwacermet.it

www.kiwa.it

www.kiwacermet.it

GASTEC

Chief Operating Officer
Giampiero Belcredi



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APPENDIX TO EU TYPE-EXAMINATION CERTIFICATE (GAR)

Brand name:
ESA

The ESA automatic burner control system(s), series REFLAM-H, are intended for use on fuel (gas and oil) fired appliances non-permanent and permanent operation, as stated in clause 6.6 of EN 298:2012. The control(s) are provided with an enclosure and they are intended for installation in an environment or enclosure, meeting the requirements of EN 60730-1:2011 in order to provide pollution degree 1 or 2.

List of all available types:

REFLAM-H MODE 1	Automatic burner control system
REFLAM-H MODE 3	Automatic burner control system
REFLAM-H MODE 4	Automatic burner control system

Specifications:

Applied technology:	Complex electronics
Electrical supply:	230 Vac 45-65 Hz
	115 Vac 45-65 Hz
Gas valve output:	24 - 230 Vac / max. 1.5 A / $\cos \phi=0.6$
	24 - 48 Vdc / max. 1.5 A
Ambient temperature:	0°C to +60°C
IP protection degree:	IP 54
Flame detection:	Ionisation or ESA UV-2

Approved safety relevant functions:

Automatic burner control system:	EN 298	Class C
Reset function:	EN 14459, Annex J	Class B

Remarks:

- See the installation and operating instructions for all specifications and possible options available for the above listed type(s).
- The expansion card types EXP2, EXP3, EXP4 and EXP5 are intended to manage non-safety relevant input and output signals. The only exception is for the APS input, physically placed on the EXP2, EXP4 and EXP5 card but directly managed by the automatic burner control system REFLAM-H.

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And the ESA independent flame detector device, series REFLAM-H, are intended for use on fuel (gas and oil) fired appliances non-permanent and permanent operation, as stated in clause 6.6 of EN 298:2012. The control(s) are provided with an enclosure and they are intended for installation in an environment or enclosure, meeting the requirements of EN 60730-1:2011 in order to provide pollution degree 1 or 2.

List of all available types:

REFLAM-H MODE 2	Independent flame detector device
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Specifications:

Applied technology:	Complex electronics
Electrical supply:	230 Vac 45-65 Hz
	115 Vac 45-65 Hz
Flame output:	24 - 230 Vac / max. 1.5 A / $\cos \phi=0.6$
	24 - 48 Vdc / max. 1.5 A
Ambient temperature:	0°C to +70 °C
IP protection degree:	IP 54
Flame detection:	Ionisation or ESA UV-2

Approved safety relevant functions:

Flame detector:	EN 298	Class C
Reset function:	EN 14459, Annex J	Class B

Remarks:

- See the installation and operating instructions for all specifications and possible options available for the above listed type(s).

The validity of this certificate can be verified on request at the following e-mail address: info@kiwacermet.it

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