

Number	94066/01	Replaces	--
Issued	09-03-2017	Scope	2009/142/EC (30-11-2009)
Report number	161100560	Contract number	I 3130
PIN	0063CS1560		

EC TYPE EXAMINATION CERTIFICATE (GAD)

Kiwa hereby declares that the Automatic Burner Control System, type

QBK

manufactured by

CONTRIVE S.r.l.
Suisio, Italy

meets the essential requirements as described in the
Directive 2009/142/EC relating to appliances burning gaseous fuels.

The compliance is based on examination to EN 298:2012 and EN 14459:2007.

The product has been approved for all EU and EFTA countries.

A description of the specific types is given in the appendix to this certificate.


Certificate

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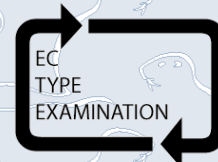
GASTEC




Luc Leroy
Kiwa

kiwa
Approved

EC Directive



2009/142/EC

GASTEC

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EC TYPE EXAMINATION CERTIFICATE: 94066/01

Appendix no.: 1

Dated: 20-03-2017

P.I.N.: 0063CS1560

Examination report(s):

161100560 dated: 09-03-2017

Scope:

The CONTRIVE S.r.l. automatic burner control system, type QBK is intended for use on gas and oil fired appliances and permanent operation, as stated in clause 6.6 of EN 298:2012. The control is provided with an enclosure and is 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. As far as flame detection by means of UV is concerned, the QBK has been certified in combination with the CONTRIVE UV sensor UV4SH.

List of all available types:

The table below gives an overview of the different hardware versions and configuration options. It shall however be noted that additional configuration options are available and that some listed options allow a wider range of values, which are all outside the scope of this certification.

ID	DESCRIPTION	OPTIONS
-	HARDWARE VERSION	QBK QBB QBM
001	POWER SUPPLY VOLTAGE	2 (230V) 1 (115V)
002	PROCESS INPUTS VOLTAGE	0 (NO) 2 (230V) 1 (115V) 4 (48V) 8 (24V)
003	BURNER TYPE	G (GAS) O (OIL)
004	INPUT TERMINAL 17	T (THERMOSTAT 2) F (2 nd STAGE FLAME DETECTOR)
005	AIR PRESSURE SWITCH RESPONSE TIME	1...30"
101	START-UP MODE	A (AUTOSTART) S (STANDBY)
102	AIR OUTPUT	N (ALWAYS OFF) Y (ALWAYS ON) I (FROM P INPUT) B (FROM BUS)
202	AIR OUTPUT	N (ALWAYS OFF) Y (ALWAYS ON) I (FROM P INPUT) B (FROM BUS)
301	AIR RUN-UP TIME	0...250"
302	AIR OUTPUT	N (ALWAYS OFF)

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		Y (ALWAYS ON)
303	PREPURGE (WAITING) TIME	0...250"
402	FIRST SAFETY TIME	2...05"
403	PILOT BURNER STARTUP ATTEMPTS	1
502	SECOND SAFETY TIME	0 (NO MAIN) 1...5" C (INTERMITTENT PILOT)
504	FLAME LOSS	L (LOCKOUT) C (RECYCLE) R (IGNITION RESTORATION)
505	FLAME FAILURE RESPONSE TIME	1
506	AIR OUTPUT	N (ALWAYS OFF) P (FOLLOWS PILOT) M (FOLLOWS MAIN) V (FOLLOWS PILOT & MAIN) Y (ALWAYS ON) I (FROM P INPUT) B (FROM BUS)
507	AIR LOSS	L (LOCKOUT) C (RECYCLE)
601	AIR OUTPUT	N (ALWAYS OFF) Y (ALWAYS ON)
602	POSTPURGE (WAITING) TIME	0...250"

Specifications:

Applied technology:	Complex electronics
Electrical supply:	115/230 Vac 50/60 Hz
Gas valve output:	250 Vac / max. 2 A / cos φ=0.7
Ambient temperature:	-20 °C to +60 °C
IP protection degree:	IP 64
Flame detection:	Ionisation or UV

Approved safety relevant functions:

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

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

Special conditions:

None.