Certificate

kiwa
Partner for progress

Number	62905	Replaces	--
Issued	20-04-2011	Scope	2009/142/EC
Report number	120562	Contract Number	E 0626
PIN	0063AQ0626		

EC TYPE EXAMINATION CERTIFICATE

Kiwa hereby declares that the **automatic shut-off valve**, series

E8/..., E6G..., EG12..., EG15..., EG25..., EG30..., EG40..., GVC...

manufactured by **Brahma S.p.A.**
Legnago, Italy

meet the essential requirements as described in the
Directive on appliances burning gaseous fuels 2009/142/EC (ex 90/396/EEC).

The compliance is based on examination to: EN 161: 2007

The products have been approved for all EU and EFTA countries.

A description of the specific types and possible special conditions are given in the appendice to this certificate.

Kiwa Nederland B.V.

B. Meekma

Bouke Meekma
Director

kiwa Approved
EC Directive
EC TYPE EXAMINATION
2009/142/EC
GASTEC

CE 0063

Kiwa Nederland B.V.
Wilmersdorf 50
P.O. Box 137
7300 AC APELDOORN
The Netherlands
www.1kiwa.com
GASTEC

RvA PRODUCTS RvA C 002

EC TYPE-EXAMINATION CERTIFICATE: 62905

Appendix no.: 1
Dated: 08 September 2011
P.I.N.: 0063AQ0626
Examination report(s):
120562/3 dated 08-09-2011

This appendix replaces appendices no. 1 dated April 2011.

List of all available types

E8/....	Automatic shut-off valve approved on EN161	
	Class	Class A
	Supply Voltage	110Vac/50-60HZ
		230Vac/50-60Hz
	Degree of protection	....CFP or DFP IP00 or IP40
		....GMO IP40
		....D3C - C3C -CFD or DFD IP65
	Max. ambient temperature	-10°C - +60°C
	Mechanical strength	Group 2
	Details about type numbers:	
	E8/...	= gas valve
	. . . B... or ....SB4..	= connection compression 6mm
	. . . L...	= connection Rp1/8
	. . . S...	= connection Rp1/4
	. . . . R...	= flow adjuster
	. . . . . P...	= pressure test point
	. . . . . C....	= continuous current
	. . . . . D....	= half-wave rectified current
	. . . . . G....	= double half-wave rectifier
	. . . . . 3C...	= with three core cable
	. . . . . FP...	= with flat fast-on terminals
	. . . . . FD...	= with terminals for DIN43650 plug
	. . . . . MO...	= with terminal board
	. . . . . MOE...	= terminal board with capacitor
-	. . . . . .110/50-60	= supply voltage
	. . . . . .230/50-60	= supply voltage

E8/B*(D)(C)3C E8/B*(D)(C)FP E8/B*(D)(C)FD+MPM182	compression fitting 6mm max. operating pressure 2000mbar
E8/L*(D)(C)3C E8/L*(D)(C)FP E8/L*(D)(C)FD+MPM182	connection Rp1/8 max. operating pressure 2000mbar

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E8/S*GMO E8/S*C3C E8/S*CFP E8/S*CFD+MPM182 E8/S*CFD+MPM532 E8/SRP* GMOE	connection Rp1/4 max. operating pressure 100mbar
E8/S*D3C E8/S*DFD	connection Rp1/4 max. operating pressure 50 mbar
E8/SB4*C3C E8/SB4*CFD+MPM182	compression fitting 6mm max. operating pressure200mbar

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E6G....	Automatic shut-off valve approved on EN161	
	Gas type	1st family, 2nd family and 3rd family
	Class	Class A
		Class B (for model E6G*PC*)
	Supply Voltage	110Vac/50-60Hz
		230Vac/50-60Hz
		24 Vdc (for model E6G*PC*)
	Degree of protection	....AFP IP00 or IP40
		....GMO IP54 or GFD IP40
		....A3C or...CFD IP65
	Max. ambient temperature	-10°C - +60°C
		-10°C - +125°C (for model E6G*PC*)
	Mechanical strength	Group 2
	Details about type numbers:	
	E6G...	= gas valve
	. . . A...	= valve supplied in AC
	. . . S...	= valve supplied in DC or rectified AC
	. . . L...	= slow opened with flow adjuster
	. . . . R...	= flow adjuster
	. . . . . P...	= pressure test point
	. . . . . .8*1/4	= connection Rp1/4
	. . . . . .8*3/8	= connection Rp3/8
	. . . . . .8*1/2	= connection Rp1/2
	. . . . . .10*3/8	= connection Rp3/8
	. . . . . .10*1/2	= connection Rp1/2
	. . . . . C....	= continuous current
	. . . . . G....	= double half-wave rectifier
	. . . . . 3C...	= with three core cable
	. . . . . FP...	= with flat fast-on terminals
	. . . . . FD...	= with terminals for DIN43650 plug
	. . . . . MO...	= with terminal board
	. . . . . MOC...	= terminal board with short conveyors
	. . . . . 5..	= test pressure point outlet left
	. . . . . 6..	= test pressure point outlet right
	. . . . . 7..	= test pressure point inlet left
	. . . . . 8..	= test pressure point inlet right
	. . . . . .110/50-60	= supply voltage
	. . . . . .230/50-60	= supply voltage
E6G*S10*.*GMO E6G*S10*.*CFD	connection Rp3/8 or Rp1/2 max. operating pressure 500mbar	
E6G*SR10*.*GMO E6G*SR10*.*CFD	connection Rp3/8 or Rp1/2 max. operating pressure 500mbar	
E6G*50*S10*GMO E6G*50*S10*CFD	connection Rp 3/8 or Rp 1/2 max. operating pressure 50 mbar	

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E6G*50*SR10*GMO
E6G*50*SR10*CFD

E6G*L *GMO	connection Rp3/8 or Rp1/2 max. operating pressure 200mbar
E6G*PC*C2C E6G*PC*C3C E6G*PC*CFD	connection Rp 3/8 or Rp 1/2 max. operating pressure 30 mbar
E6G*S8*.*GMOC	connection Rp1/4 max. operating pressure 1000mbar connection Rp3/8 or Rp1/2 max. operating pressure 500mbar
E6G*S8*.*GMO E6G*S8*.*CFD	connection Rp1/4, Rp3/8 or Rp1/2 max. operating pressure 1000mbar
E6G*SR8*.*GMOC	connection Rp1/4, max. operating pressure 1000mbar connection Rp3/8 or Rp1/2 max. operating pressure 500mbar
E6G*SR8*.*GMO E6G*SR8*.*CFD	connection Rp1/4, Rp3/8 or Rp1/2 max. operating pressure 1000mbar
E6G*A10*.*A3C E6G*A10*.*AFD	connection Rp3/8 or Rp1/2 max. operating pressure 950mbar

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EG12...	Automatic shut-off valve approved on EN161	
	Class	Class A
	Supply Voltage	110Vac/50-60Hz
		230Vac/50-60Hz
	Degree of protection	....GMO IP54 or GFD IP40
		....AFP IP00 or IP40
		....A3C, C3C, CFD IP65
	Max. ambient temperature	-10°C - +60°C
	Mechanical strength	Group 2
	With or without test pressure nipples	
	Details about type numbers:	
	EG12*.....	= gas valve
	. . . A...	= valve supplied in AC
	. . . S...	= valve supplied in DC or rectified AC
	. . . L...	= slow opened with flow adjuster
	. . . R...	= flow adjuster
	. . . . . P...	= pressure test point
	. . . . . C....	= continuous current
	. . . . . G....	= double half-wave rectifier
	. . . . . 3C...	= with three core cable
	. . . . . FP...	= with flat fast-on terminals
	. . . . . FD...	= with terminals for DIN43650 plug
	. . . . . MO...	= with terminal board
	. . . . . 7...	= test pressure point inlet left
	. . . . . 8...	= test pressure point inlet right
	. . . . . .110/50-60	= supply voltage
	. . . . . .230/50-60	= supply voltage

EG12*A (A3C)(AFP)(AFD)	connection Rp1/2 max. operating pressure 500mbar
EG12*AR (A3C)(AFP)(AFD)	connection Rp1/2 max. operating pressure 500mbar
EG12*S (CFD)(CFP)(C3C) EG12*S GMO EG12*SR(CFD)(CFP)(C3C) EG12*SR GMO EG12*L GMO EG12*L(CFD)(CFP)(C3C)	connection Rp1/2 max. operating pressure 500mbar connection Rp1/2 max. operating pressure 500mbar connection Rp1/2 max. operating pressure 250mbar

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EG15...

Automatic shut-off valve approved on	EN161
Class	Class A
Supply Voltage	220-240V/50-60Hz 110V/50-60Hz
Degree of protection	....GMO IP54 or GFD IP40 ....AFP IP00 or IP40 ....A3C, C3C, CFD IP65
Max. ambient temperature	-10°C - +60°C
Max. operating pressure:	without Bypass 500 mbar (fast opening versions) without Bypass 250 mbar (slow opening versions) with Bypass 100 mbar
Mechanical strength	Group 2

With or without test pressure nipples
With or without Bypass EB7 S(R) GMO(E)
Details about type numbers:

EG15* . . . * . . . *	= gas valve
. . . . *A . . * . . . *	= fast opening valve
. . . . *S. . * . . . *	= fast silent opening valve
. . . . *L . . * . . . *	= slow opened with flow adjuster
. . . . *. R . * . . . *	= flow adjuster
. . . . * . . P * . . . *	= pressure test point
. . . . * . . . * S . . *	= bypass valve
. . . . * . . . * SR . *	= bypass valve with flow adjuster
. . . . * . . . * . . D*	= bypass valve right
. . . . * . . . * . . S*	= bypass valve left
. . . . * . . . * . . . * A . . .	= alternate current
. . . . * . . . * . . . * C . . .	= continuous current
. . . . * . . . * . . . * G . . .	= double half-wave rectifier
. . . . * . . . * . . . * . 3C .	= with three core cable
. . . . * . . . * . . . * . FD .	= with terminals for DIN43650 plug
. . . . * . . . * . . . * . MO .	= with terminal board
. . . . * . . . * . . . * . . . 5 .	= test pressure point outlet left
. . . . * . . . * . . . * . . . 6 .	= test pressure point outlet right
. . . . * . . . * . . . * . . . 7 .	= test pressure point inlet left
. . . . * . . . * . . . * . . . 8 .	= test pressure point inlet right
. . . . * . . . * . . . * 220/240-50/60	= supply voltage

EG15*A (A3C)(AFP)(AFD)	connection Rp1/2
EG15*S (C3C)(CFP)(CFD)(GMO)	connection Rp1/2
EG15*SR (C3C)(CFP)(CFD)(GMO)	connection Rp1/2
EG15*L (GMO)	connection Rp1/2
EG15*L(CFD)(CFP)(C3C)	

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EG25...
EG30...

Automatic shut-off valve approved on EN161
With or without by-pass valve *S-SR-L.*
Class A

Supply Voltage	110Vac/50-60Hz 230Vac/50-60Hz
Degree of protection	IP54
Max. ambient temperature	-10°C - +60°C
Mechanical strength	Group 2
Details about type numbers:	
EG25*....*.....*....*....	= gas valve connection Rp3/4
EG30*....*.....*....*....	= gas valve connection Rp1
....*S...*.....*...*....	= valve supplied in rectified AC fast
....*L...*.....*...*....	= slow opened with flow adjuster
....*.R..*.....*...*....	= flow adjuster
....*M..*.....*....*...	.= power driven modulation and adjustment for flame levels
....*...(1)(2)(3)(5)* .....*...*....	= code of pressure range
....*....*S...*...*....	= by-pass fast
....*....*SR..*...*....	= by-pass with flow adjuster
....*....*L... *...*....	= by-pass slow opened with flow adj.
....*....*...D*...*....	= by-pass right
....*....*...S*...*....	= by-pass left
....*....*I*...*....	= by-pass standard (no letter)
....*....*....15*...*....	= by-pass made up EG15 valve (only EG30 version)
....*....*.....*G...*....	= double half-wave rectifier
....*....*.....*.MO.*....	= with terminal board
....*....*.....*.FD.*....	= connection with fast-on DIN
....*....*.....*...5*....	= test pressure point outlet left
....*....*.....*...6*....	= test pressure point outlet right
....*....*.....*...7*....	= test pressure point inlet left
....*....*.....*...8*....	= test pressure point inlet right
....*....*.....*....*110/50-60	= supply voltage
....*....*.....*....*230/50-60	= supply voltage

EG25*S1 *GMO EG25*SR1 *GMO	connection Rp3/4 max. operating pressure 100mbar
EG25*S3 *GMO EG25*SR3 *GMO	connection Rp3/4 max. operating pressure 500mbar
EG25*L1 *GMO	connection Rp3/4 max. operating pressure 50mbar

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EG25*L3 *GMO	connection Rp3/4 max. operating pressure 350mbar
EG25*M 3	connection Rp3/4 max. operating pressure 500mbar
EG30*S2 *GMO EG30*SR2 *GMO	connection Rp1 max. operating pressure 350mbar
EG30*S5 *GMO EG30*SR5 *GMO	connection Rp1 max. operating pressure 500mbar
EG30*L2 *GMO	connection Rp1 max. operating pressure 200mbar
EG30*M 2	connection Rp1 max. operating pressure 350mbar
EG30*L5 *GMO	connection Rp1 max. operating pressure 350mbar
EG30*M 5	connection Rp1 max. operating pressure 500mbar

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EG40...

Automatic shut-off valve approved on EN161
With or without by-pass valve
Class A

Supply Voltage	110Vac/50-60Hz 230Vac/50-60Hz
Degree of protection	IP54
Max. ambient temperature	-10°C - +60°C
Mechanical strength	Group 2

Details about type numbers:

EG40*....*.....*....*....	= gas valve connection Rp1 1/2
....*S..*.....*...*....	= fast opened
....*L..*.....*...*....	= slow opened
....*.R.*.....*...*....	= flow adjuster
....*..P* .....*...*....	= with pressure plug
....*...*S...*...*....	= by-pass fast
....*...*SR..*...*....	= by-pass with flow adjuster
....*...*L... *...*....	= by-pass slow opened with flow adj.
....*...*...D*...*....	= by-pass right
....*...*...S*...*....	= by-pass left
....*...*!*...*.....	= by-pass standard (no letter)
....*...*....25*...*....	= by-pass made up EG25 valve
....*...*.....*G...*....	= double half-wave rectifier
....*...*.....*.MO.*....	= with terminal board
....*...*.....*.FD.*....	= connection with fast-on DIN
....*...*.....*...5*....	= test pressure point outlet left
....*...*.....*...6*....	= test pressure point outlet right
....*...*.....*...7*....	= test pressure point inlet left
....*...*.....*...8*....	= test pressure point inlet right
....*...*.....*....*110/50-60	= supply voltage
....*...*.....*....*230/50-60	= supply voltage

EG40*S...

connection Rp 1/12
max. operating pressure 200mbar

EG40*SR...

connection Rp11/2
max. operating pressure 200mbar

EG40*L...

connection Rp11/2
max. operating pressure 200mbar

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GVC..... Automatic shut-off valve combination approved on EN161 which consists of
- 2 shut-off valves
Class A
Supply Voltage:

type GVC15	110V/50-60HZ 220-240Vac/50-60Hz
types GVC25, GVC30, GVC40	110V/50-60HZ 230V/50-60Hz
Degree of protection	IP40
Max. ambient temperature	-10°C - +60°C
Mechanical strength	Group 2

- with or without By-pass ventile
- with or without inlet gas pressure switch

Details about type numbers:

GVC-..*....*....*...*..*....	= multibloc system with connection
... -15*....*....*...*..*....	= valve type connection Rp1/2
... -25*....*....*...*..*....	= valve type connection Rp3/4
... -30*....*....*...*..*....	= valve type connection Rp1
... -40*....*....*...*..*....	= valve type connection Rp11/2
...-..*S*....*...*..*....	= first valve fast opening
...-..*SR*....*...*..*....	= first valve fast opening with flow adjuster
...-..*L*....*...*..*.....	= first valve slow opening with flow adjuster
...-..*....*S*...*..*....	= second valve fast opening
...-..*....*SR.*...*..*....	= second valve fast opening with flow adjuster
...-..*....*L*...*..*.....	= second valve slow opening with flow adjuster
...-..*....*....*S.*..*.....	= by-pass valve fast opening
...-..*....*....*SR.*..*.....	= by-pass valve fast opening with flow adjuster
...-..*....*....*L.*..*.....	= by-pass valve slow opening with flow adjuster
...-..*....*....*..D*..*.....	= by-pass valve position right
...-..*....*....*!*..*.....	= by-pass standard (no letter)
...-..*....*....*..15*..*.....	= by-pass made up EG15 valve (GVC30 only version)
...-..*....*....*..25*..*.....	= by-pass made up EG25 valve (GVC40 only version)
...-..*....*....*...*!*.....	= gas pressure switch (no letter, no switch)
...-..*....*....*...*P*.....	= gas pressure switch fixed setting
...-..*....*....*...*PR*.....	= gas pressure switch adjustable setting
...-..*....*....*...*..*XX/XX	= supply voltage of all solenoid gas valves without the final zero

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GVC15*S*S(R)	Max. working pressure: 500mbar
GVC15*S*L	Max. working pressure: 250mbar
GVC15*S*L*SRD	Max. working pressure: 100mbar
GVC25*S3*S(R)3	Max. working pressure: 500mbar
GVC25*S3*L3	Max. working pressure: 350mbar
GVC30*S2*S(R)2	Max. working pressure: 350mbar
GVC30*S2*L2	Max. working pressure: 200mbar
GVC30*S5*S(R)5	Max. working pressure: 500mbar
GVC30*S5*L5	Max. working pressure: 350mbar
GVC40*S*S(R)	Max. working pressure: 200mbar
GVC40*S*L	Max. working pressure: 200mbar