



EC Type Examination Certificate

This is to certify that:

Alcon
A Division of
Xylem Flow Control Ltd
Patrick Gregory Road
Wolverhampton
WV11 3DZ
United Kingdom

Holds Certificate Number:

CE 585560

In respect of:

GB Series shut-off valves as listed on page 2

Type samples representative of the product(s) detailed have been tested and examined according to the procedures specified in Annex II.1 (EC Type Examination) of the European Gas Appliance Directive (2009/142/EC) and found to comply with the Essential Requirements detailed in Annex I of the Directive.

For and on behalf of BSI,
a Notified Body for the above Directive
(Notified Body Number 0086):

Gary Fenton, Global Assurance Director

First Issued: 15/03/2013

Latest Issue: 15/03/2013

...making excellence a habit.™

Page 1 of 2

EC Type Examination Certificate

No. CE 585560

Product Identification Number: C86CO13
Type Test Report Number: TR/13/072
Project Number: 400002055 SMOs: 7817445 & 7906768

Model Designation	Gas Category & Pressure	For Installation In	Normative References
GB2C, GB3C, GB4C, GB6C, GB7C, GB8, GB9 & GB10	1 st , 2 nd & 3 rd Family Gases	All EU Countries	BS EN 161: 2011

Note: This certificate has been transferred from previous certificate ref: EC-87/97/20/M5 as a transition to new certificate numbers, please note the new PI Number, and for the following reasons:

- 1) A change of Company name from Alcon a division of ITT Flow Control to Alcon a division of Xylem Flow Control Ltd
- 2) To update the certification from BS EN 161: 2002 to BS EN 161: 2011.
- 3) To account for a change in pressure rating and valve classification for some models.

Application Warning: These devices may not be suitable for all applications and it is the responsibility of appliance designers to select the control devices that are appropriate for their specific product design.

First Issued: 15/03/2013

Latest Issue: 15/03/2013

Page 2 of 2

BSI
Charnwood Building
Holywell Park
Ashby Road
Loughborough
Leicestershire
LE11 3AQ

Telephone +44 (0)1509 331133
Facsimile +44 (0)1509 331111
E-mail: appliances@bsigroup.com

***NOTIFICATION OF THE ISSUE OF AN EC TYPE EXAMINATION CERTIFICATE
UNDER THE EUROPEAN GAS APPLIANCE DIRECTIVE (2009/142/EC)***

No. CE 585560

Issued to:

Alcon
A Division of Xylem Flow Control Ltd

Patrick Gregory Road
Wolverhampton
West Midlands
WV11 3DZ

In respect of:

GB Series Shut-off Valves as listed on pages 2 & 3

First Issued: **15 March 2013**

Date: **15 March 2013**

Name of Client Alcon (A division of Xylem Flow control)

Product GB Series shut-off valves

Certificate Number CE 585560

Product Identification number: C86C013
Type test report number: TR/13/072
Project Number: 400002055 SMOs: 7817445 & 7906768

Model Designation	Gas Category	For Installation In	Normative Reference
GB2C, GB3C, GB4C, GB6C, GB7C, GB8, GB9 & GB10 (see model ratings table on page 3 for a list of all model numbers covered by this certificate)	1 st , 2 nd & 3 rd Family Gases	All EU Countries	BS EN 161: 2011

Note: This certificate has been transferred from previous certificate ref: EC-87/97/20/M5 as a transition to new certificate numbers, please note the new PI Number, and for the following reasons:

- 1) A change of Company name from Alcon a division of ITT Flow Control to Alcon a division of Xylem Flow Control Ltd
- 2) To update the certification from BS EN 161: 2002 to BS EN 161: 2011.
- 3) To account for a change in pressure rating and valve classification for some models.

Application Warning: These devices may not be suitable for all applications and it is the responsibility of appliance designers to select the control devices that are appropriate for their specific product design.

Classification of Products Evaluated

4.1	Class of automatic shut-off valve.	Class A or B
4.2	Group 1 or Group 2 device.	Group 2

Product Ratings (Applicable to all Models)

Gas families	1 st , 2 nd & 3 rd
Permissible mounting attitude(s)	Coil to be horizontal/vertical above pipe work
Operating temperature range	0°C to 60°C
Opening time	<1sec
Closing time	<1sec
Duty Cycle	100%
Protection Class	IP65 with DIN 43650 plug
Coil Insulation	Class H (180°C)

Name of Client Alcon (A division of Xylem Flow control)

Product GB Series shut-off valves

Certificate Number CE 585560

Product Ratings by Model Number

Model No	Connections	Voltage	Coil Part No	Power	Operating Pressure	Valve Class	Body Material
GB2C	¼" Rp	230V/50HZ	H501E5	19VA	0-140mbar	A	ALUM LM2/A356T6
GB2C	¼" Rp	110V/50HZ	H502E5	19VA	0-140mbar	A	ALUM LM2/A356T6
GB2C	¼" Rp	24V/50HZ	H503E5	19VA	0-140mbar	A	ALUM LM2/A356T6
GB2CDC	¼" Rp	12VDC	H603E5	14W	0-50mbar	B	ALUM LM2/A356T6
GB2CDC	¼" Rp	24VDC	H602E5	14W	0-50mbar	B	ALUM LM2/A356T6
GB2CDC	¼" Rp	110VDC	H605E5	14W	0-50mbar	B	ALUM LM2/A356T6
GB3C	⅜" Rp	230V/50HZ	H501E5	19VA	0-140mbar	A	ALUM LM2/A356T6
GB3C	⅜" Rp	110V/50HZ	H502E5	19VA	0-140mbar	A	ALUM LM2/A356T6
GB3C	⅜" Rp	24V/50HZ	H503E5	19VA	0-140mbar	A	ALUM LM2/A356T6
GB3CDC	⅜" Rp	12VDC	H603E5	14W	0-50mbar	B	ALUM LM2/A356T6
GB3CDC	⅜" Rp	24VDC	H602E5	14W	0-50mbar	B	ALUM LM2/A356T6
GB3CDC	⅜" Rp	110VDC	H605E5	14W	0-50mbar	B	ALUM LM2/A356T6
GB4C	½" Rp	230V/50HZ	H501E5	19VA	0-140mbar	A	ALUM LM2/A356T6
GB4C	½" Rp	110V/50HZ	H502E5	19VA	0-140mbar	A	ALUM LM2/A356T6
GB4C	½" Rp	24V/50HZ	H503E5	19VA	0-140mbar	A	ALUM LM2/A356T6
GB4CDC	½" Rp	12VDC	H603E5	14W	0-50mbar	B	ALUM LM2/A356T6
GB4CDC	½" Rp	24VDC	H602E5	14W	0-50mbar	B	ALUM LM2/A356T6
GB4CDC	½" Rp	110VDC	H605E5	14W	0-50mbar	B	ALUM LM2/A356T6
GB6C	¾" Rp	230V/50HZ	H508E5	32VA	0-100mbar	A	ALUM LM2/A356T6
GB6C	¾" Rp	110V/50HZ	H509E5	32VA	0-100mbar	A	ALUM LM2/A356T6
GB6CDC	¾" Rp	12VDC	H603E5	14W	0-50mbar	B	ALUM LM2/A356T6
GB6CDC	¾" Rp	24VDC	H601E5	14W	0-50mbar	B	ALUM LM2/A356T6
GB6CDC	¾" Rp	110VDC	H605E5	14W	0-50mbar	B	ALUM LM2/A356T6
GB7C	1" Rp	230V/50HZ	H508E5	32VA	0-100mbar	A	ALUM LM2/A356T6
GB7C	1" Rp	110V/50HZ	H509E5	32VA	0-100mbar	A	ALUM LM2/A356T6
GB7CDC	1" Rp	12VDC	H603E5	14W	0-50mbar	B	ALUM LM2/A356T6
GB7CDC	1" Rp	24VDC	H601E5	14W	0-50mbar	B	ALUM LM2/A356T6
GB7CDC	1" Rp	110VDC	H605E5	14W	0-50mbar	B	ALUM LM2/A356T6
GB8	1¼" Rp	230V/50HZ	1N13	34VA	0-50mbar	B	ALUM LM4
GB8	1¼" Rp	110V/50HZ	1N23	34VA	0-50mbar	B	ALUM LM4
GB8	1¼" Rp	24VDC	1N13	34VA	0-50mbar	B	ALUM LM4
GB9	1½" Rp	230V/50HZ	1N13	34VA	0-50mbar	B	ALUM LM4
GB9	1½" Rp	110V/50HZ	1N23	34VA	0-50mbar	B	ALUM LM4
GB9	1½" Rp	24VDC	1N13	34VA	0-50mbar	B	ALUM LM4
GB10	2" Rp	230V/50HZ	1N13	34VA	0-50mbar	B	ALUM LM4
GB10	2" Rp	110V/50HZ	1N23	34VA	0-50mbar	B	ALUM LM4
GB10	2" Rp	24VDC	1N13	34VA	0-50mbar	B	ALUM LM4