



<b>Number:</b>	UKCA/0558/22/054	<b>Replaces:</b>	17GR0193/00
<b>Issue Date:</b>	04-02-2022	<b>Contract Number:</b>	PS7133
<b>Due Date:</b>	04-02-2032	<b>Module:</b>	B (Type Testing)
<b>Report Number:</b>	121580	<b>Scope:</b>	Gas Appliances
<b>PIN:</b>	0063BO1580	<b>Page</b>	1 of 10

## UKCA TYPE EXAMINATION CERTIFICATE

Kiwa Ltd. hereby declares that the model type(s)

VAD,  
VAG,  
VAH,  
VAS,  
VAV

Manufactured by **Elster GmbH (Honeywell)**  
Lotte - Büren, Germany

Meet(s) the essential requirements as described in the:

**Gas Appliances Regulation (Regulation (EU) 2016/426 as brought into GB law and amended), and the Gas Appliances (Enforcement) and Miscellaneous Amendment Regulations 2018 No 389, and amendments to UK SI 2019/696 Product Safety and Metrology, and subsequent amendments, The Product Safety, Metrology and Mutual Recognition Agreement (Amendment) (EU Exit) Regulations 2019 No 1246, and subsequent amendments. This certificate is not valid in Northern Ireland – and is applicable to England, Scotland and Wales only.**

Reference standards: **BS EN 88-1:2011, BS EN 126:2012, and BS EN 161:2011+A3:2013**

Signed on behalf of Kiwa Ltd.  
(UK Approved Body Number 0558)

Mark Crowther  
Technical Director  
Kiwa Ltd.

39017601

# CERTIFICATE

**Kiwa Gastec**  
Kiwa House  
Malvern View Business Park  
Stella Way  
Bishops Cleeve  
Cheltenham  
GL52 7DQ  
United Kingdom  
T +44 (0)1242 677877  
F +44 (0)1242 676506  
[www.kiwa.co.uk](http://www.kiwa.co.uk)



0217



<b>Number:</b>	UKCA/0558/22/054	<b>Replaces:</b>	17GR0193/00
<b>Issue Date:</b>	04-02-2022	<b>Contract Number:</b>	PS7133
<b>Due Date:</b>	04-02-2032	<b>Module:</b>	B (Type Testing)
<b>Report Number:</b>	121580	<b>Scope:</b>	Gas Appliances
<b>PIN:</b>	0063BO1580	<b>Page</b>	2 of 10

## APPENDIX TO UKCA TYPE EXAMINATION CERTIFICATE

### Type break down (including specifications)

#### List of all available types:

VAS	Electro-magnetic automatic shut-off valve approved on EN161
VBY	Electro-magnetic automatic shut-off valve approved on EN161
VAG/V/D/H	Multi-functional controls approved according to EN126, EN88-1 and EN161
VRG/VRH	Pressure regulator approved according to EN 88-1
VCS	combination of VAS
VCD	combination of VAS and VAD
VCG	combination of VAS and VAG
VCV	combination of VAS and VAV
VCH	combination of VAS and VAH

Electrical supply:	230 VAC, 200 VAC, 120 VAC, 100 VAC and 24 VDC
Ambient temperature:	-20 °C to +60 °C , VBY 0 °C to +60 °C
IP protection degree	IP65 (VBY IP54)
Class:	A (shut off valve and governor)
Mechanical strength:	group 2, up to combination of 3 bodies in line
Working pressure:	500mbar
Connection size:	Body type 1 Rp 3/8, 1/2, 3/4, 1" (ISO 7) Body type 2 Rp 1, 1 1/4, 1 1/2, 2" (ISO 7), 1 1/2 (DIN2501) Body type 3 Rp 1 1/2 , 2, 2 1/2" (ISO 7), 2 (DIN2501)
Options:	Assembled as/with bypass, bypass valve, pressure switch(es), control valve or pressure sensing device.

### Type survey

VAS	: automatic shut-off valve
VAG	: gas/air ratio control with solenoid valve
VAD	: regulator with solenoid valve
VAV	: variable gas/air ratio control with solenoid valve
VAH	: flow control with solenoid valve
VRG	: gas/air ration control without solenoid valve
VRH	: flow control without solenoid valve
1	: body type 1
2	: body type 2
3	: body type 3
T*	: indication for products with NPT-thread
-0	: inlet connection blind flange (only applicable for VAS)
10	: inlet connection DN10
15	: inlet connection DN15
20	: inlet connection DN20
25	: inlet connection DN25

F045-A v.1



<b>Number:</b>	UKCA/0558/22/054	<b>Replaces:</b>	17GR0193/00
<b>Issue Date:</b>	04-02-2022	<b>Contract Number:</b>	PS7133
<b>Due Date:</b>	04-02-2032	<b>Module:</b>	B (Type Testing)
<b>Report Number:</b>	121580	<b>Scope:</b>	Gas Appliances
<b>PIN:</b>	0063BO1580	<b>Page</b>	3 of 10

## APPENDIX TO UKCA TYPE EXAMINATION CERTIFICATE

32	: inlet connection DN32	
40	: inlet connection DN40	
50	: inlet connection DN50	
65	: inlet connection DN65	
-	: inlet connection without flange	
/0*	: outlet connection blind flange	(only applicable for VAS)
/10*	: outlet connection DN10	(not applicable for VAG/D/V/H/RG/RH)
/15*	: outlet connection DN15	
/20*	: outlet connection DN20	
/25*	: outlet connection DN25	
/32*	: outlet connection DN32	
/40*	: outlet connection DN40	
/50*	: outlet connection DN50	
/65*	: outlet connection DN65	
/-*	: outlet connection without flange	
R	: connection Rp (ISO 7)	
N*	: connection NPT-threaded 1)	
F	: connection DIN- flange	
/	: none	
05	: pe max 500mbar	
N	: fast opening	(only applicable for VAS)
L	: slow opening	(only applicable for VAS)
W	: Main voltage 230 V AC, 50/60 Hz	
Y	: Main voltage 200 V AC, 50/60 Hz	
Q	: Main voltage 120 V AC, 50/60 Hz	
P	: Main voltage 100 V AC, 50/60 Hz	
K	: Main voltage 24 V DC	
SL*	: Position indicator and visual indicator, left side	
SR*	: Position indicator and visual indicator, right side	
GL*	: Position indicator and visual indicator for 24 V, left side	
GR*	: Position indicator and visual indicator for 24 V, right side	

1) NPT threads does not comply with section 6.4.3 (threads) of the EN 13611: 2007 + A2: 2011



**Number:** UKCA/0558/22/054      **Replaces:** 17GR0193/00  
**Issue Date:** 04-02-2022      **Contract Number:** PS7133  
**Due Date:** 04-02-2032      **Module:** B (Type Testing)  
**Report Number:** 121580      **Scope:** Gas Appliances  
**PIN:** 0063BO1580      **Page:** 4 of 10

## APPENDIX TO UKCA TYPE EXAMINATION CERTIFICATE

### Concerning only VAS

3 : Cable gland      Type of el. connection  
- : socket with plug  
- : socket

/P : Screw plug Accessories, right, inlet  
/M : Pressure test point  
/1 /1G : DG 17      DG 17 with gold contact  
/2 /2G : DG 40      DG 40 with gold contact  
/3 /3G : DG 110      DG 110 with gold contact  
/4 /4G : DG 300      DG 300 with gold contact  
/I : Bypass valve VBY, fitted  
/R : Pilot gas valve VBY, fitted  
/H : Main valve attachment side  
/Y : Prepared for bypass valve VAS 1  
/B : Bypass valve VAS 1, fitted  
/Z : Pilot gas valve VAS 1, fitted  
/- : None

P : Screw plug      Accessories, right, outlet  
M : Pressure test point  
1 1G : DG 17      DG 17 with gold contact  
2 2G : DG 40      DG 40 with gold contact  
3 3G : DG 110      DG 110 with gold contact  
4 4G : DG 300      DG 300 with gold contact  
- : None

### Accessories on left-hand side equivalent to those on right-hand side

/1 : 1 mm      Bypass diameter  
/2 : 2 mm  
/3 : 3 mm  
/4 : 4 mm  
/5 : 5 mm  
/6 : 6 mm  
/7 : 7 mm  
/8 : 8 mm  
/9 : 9 mm  
/10 : 10 mm

/1 : Attached to size 1      Bypass valve fitted  
/2 : Attached to size 2 or 3  
/4 : Attached to valVario XL



**Number:** UKCA/0558/22/054      **Replaces:** 17GR0193/00  
**Issue Date:** 04-02-2022      **Contract Number:** PS7133  
**Due Date:** 04-02-2032      **Module:** B (Type Testing)  
**Report Number:** 121580      **Scope:** Gas Appliances  
**PIN:** 0063BO1580      **Page:** 5 of 10

## APPENDIX TO UKCA TYPE EXAMINATION CERTIFICATE

### Concerning VAD, VAG, VAV, VAH, VRG, VRH

3		: Cable gland	Type of el. connection
-		: socket with plug	
-		: socket	
25		: outlet pressure 2,5...25mbar	only VAD
50		: outlet pressure 20...50mbar	only VAD
100		: outlet pressure 35...100mbar	only VAD
A		: working area A: standard valve seat	
B		: working area B: reduced valve seat	
E		: 3 compression fitting, 4 test nipples pd and psa	only VAH/VRH
E		: 1 compression fitting, 2 test nipples pd and psa	only VAG/VRG
K		: 1 plastic hose coupling, 2 test nipples pd and psa	only VAG/VRG
N		: Zero governor , 1 test point pd, 1 screw plug psa	only VAG/VRG
A		: 1 NPT 1/8 adapter, 2 test points pd and psa	only VAG/VRG
A		: 3 NPT 1/8 adapter, 4 test points pd and psa	only VAH/VRH
K		: 2 plastic hose coupling, 1 screw plug pG	only VAV
A		: 2 x NPT 1/8 adapter, 1 test nipple pd	only VAV
E		: 2 x compression fitting, 1 test nipple pd	only VAV
/P		: Screw plug	VAD/G/V/H accessories, right, inlet
/M		: Pressure test point	
/1	/1G	: DG 17            DG 17 with gold contact	
/2	/2G	: DG 40            DG 40 with gold contact	
/3	/3G	: DG 110           DG 110 with gold contact	
/4	/4G	: DG 300           DG 300 with gold contact	
/I		: Bypass valve VBY, fitted	
/R		: Pilot gas valve VBY, fitted	
/Y		: Prepared for bypass valve VAS 1	
/B		: Bypass valve VAS 1, fitted	
/Z		: Pilot gas valve VAS 1, fitted	
/-		: None	
P		: Screw plug	VAD/G/V/H accessories, right, outlet
M		: Pressure test point	
1	1G	: DG 17 DG 17 with gold contact	
2	2G	: DG 40 DG 40 with gold contact	
3	3G	: DG 110 DG 110 with gold contact	
4	4G	: DG 300 DG 300 with gold contact	
-		: None	

Accessories on left-hand side equivalent to those on right-hand side

F045-A v.1



<b>Number:</b>	UKCA/0558/22/054	<b>Replaces:</b>	17GR0193/00
<b>Issue Date:</b>	04-02-2022	<b>Contract Number:</b>	PS7133
<b>Due Date:</b>	04-02-2032	<b>Module:</b>	B (Type Testing)
<b>Report Number:</b>	121580	<b>Scope:</b>	Gas Appliances
<b>PIN:</b>	0063BO1580	<b>Page</b>	6 of 10

## APPENDIX TO UKCA TYPE EXAMINATION CERTIFICATE

### Concerning VBY

VBY	: Bypass valve
8	: DN 8
I	: Internal bypass
R	: Rp thread
W	: 230Vac 50/60Hz
Q	: 120Vac 50/60Hz
K	: 24Vdc
6L	: Electrical connection with plug and socket with LED
5	: Electrical connection with plug without socket
-R	: mounting position at main valve: right
-L	: mounting position at main valve: left
E	: assembled
B	: supplied separately (single part)
D	: flow rate adjustment
01	: orifice diameter 01 $\equiv$ 0.1 mm .... 40 $\equiv$ 4.0 mm



<b>Number:</b>	UKCA/0558/22/054	<b>Replaces:</b>	17GR0193/00
<b>Issue Date:</b>	04-02-2022	<b>Contract Number:</b>	PS7133
<b>Due Date:</b>	04-02-2032	<b>Module:</b>	B (Type Testing)
<b>Report Number:</b>	121580	<b>Scope:</b>	Gas Appliances
<b>PIN:</b>	0063BO1580	<b>Page</b>	7 of 10

## APPENDIX TO UKCA TYPE EXAMINATION CERTIFICATE

### Concerning multifunctional module

Ambient temperature:	-20°C to +60°C
Mechanical strength:	Group 2 up to four combinations in line
Working pressure:	500 mbar
Connection size:	Body type 1 = 3/8", 1/4", 1/2", 3/4 or 1" (ISO7) Body type 2 = 1", 1-1/4", 1-1/2", 2" (ISO7) Body type 2 = 1-1/2", 2" (ISO 7005) Body type 3 = 1-1/2", 2", 2-1/2" (ISO 7) Body type 3 = 2", 2-1/2" (ISO 7005)

VMF	Filter-module
VMV	Linear flow limiter-module
VMO	Orifice module
1	body type 1
2	body type 2
3	body type 3
10	inlet connection size 10*
15	inlet connection size 15*
20	inlet connection size 20*
25	inlet connection size 25*
32	inlet connection size 32*
40	inlet connection size 40*
50	inlet connection size 50*
65	inlet connection size 65*
-	inlet connection without flange*
/10	outlet connection size 10*
/15	outlet connection size 15*
/20	outlet connection size 20*
/25	outlet connection size 25*
/32	outlet connection size 32*
/40	outlet connection size 40*
/50	outlet connection size 50*
/65	outlet connection size 65*
-	outlet connection without flange
R	connection Rp (ISO7)*
N	connection NPT*
F	connection flanged (ISO7005)*
-05	working pressure up to 500mbar



<b>Number:</b>	UKCA/0558/22/054	<b>Replaces:</b>	17GR0193/00
<b>Issue Date:</b>	04-02-2022	<b>Contract Number:</b>	PS7133
<b>Due Date:</b>	04-02-2032	<b>Module:</b>	B (Type Testing)
<b>Report Number:</b>	121580	<b>Scope:</b>	Gas Appliances
<b>PIN:</b>	0063BO1580	<b>Page</b>	8 of 10

## APPENDIX TO UKCA TYPE EXAMINATION CERTIFICATE

M		with measuring plugs*
P		with plug screw*
1	1G	: DG 17 * DG 17 with gold contact
2	2G	: DG 40 * DG 40 with gold contact
3	3G	: DG 110 * DG 110 with gold contact
4	4G	: DG 300 * DG 300 with gold contact

xx Orifice size diameter in mm (only VMO-module)

### Concerning Valvario ECO

VCS	Double electro-magnetic automatic shut-off valve approved on EN161
VCD	Multi-functional controls approved according EN126, EN88 and EN161
VCG	Multi-functional controls approved according EN126, EN88 and EN161
VCV	Multi-functional controls approved according EN126, EN88 and EN161
VCH	Multi-functional controls approved according EN126, EN88 and EN161

1 Body type 1

T not applicable

- inlet connection without flange  
10 inlet connection blind flange DN10  
15 inlet connection blind flange DN15  
20 inlet connection blind flange DN20  
25 inlet connection blind flange DN25

- outlet connection without flange  
/10\* DN 10  
/15\* DN 15  
/20\* DN 20  
/25\* DN 25

R connection Rp (ISO 7)

N not applicable

/ none

05 pe max 500 mbar

N fast opening 1 valve or regulator

D Pressure Reducing Regulator

G Air/Gas Ratio Control

V Variable Air/Gas Ratio Control

H Flow control

(-) none

F045-A v.1





<b>Number:</b>	UKCA/0558/22/054	<b>Replaces:</b>	17GR0193/00
<b>Issue Date:</b>	04-02-2022	<b>Contract Number:</b>	PS7133
<b>Due Date:</b>	04-02-2032	<b>Module:</b>	B (Type Testing)
<b>Report Number:</b>	121580	<b>Scope:</b>	Gas Appliances
<b>PIN:</b>	0063BO1580	<b>Page</b>	9 of 10

## APPENDIX TO UKCA TYPE EXAMINATION CERTIFICATE

N	fast opening	2 valve or regulator
D	Pressure Reducing Regulator	
G	Air/Gas Ratio Control	
V	Variable Air/Gas Ratio Control	
H	Flow control	
(-)	none	
E	Energy saving automatic shut-off valve approved on EN161	
F	Main voltage 100–120 V~, 50/60 Hz	
J	Main voltage 200–230 V~, 50/60 Hz	
(-)	Without position and visual indicator	
SL*	Position Indicator and visual indicator, left side	
GL*	Position Indicator and visual indicator for 24V, left side	
SR*	Position Indicator and visual indicator, right side	
GR*	Position Indicator and visual indicator for 24V, right side	
5	plug without socket	
6	plug with socket	
/25	Outlet pressure range 2,5-25 mbar	
/50	Outlet pressure range 20-50 mbar	
/100	Outlet pressure range 35-100 mbar	
A	working area A: standard valve seat	
B	working area B: reduced valve seat	
E	1 compression fitting, 2 test nipples pG and pL 3 compression fitting, 4 test nipples pG and pL	Only VCH
K	1 plastic hose coupling, 2 screw plugs	
N	Zero governor, 1 test point pG, 1 screw plug	
A	1 NPT 1/4 adapter, 2 test points pG and pL 3 NPT 1/4 adapter, 4 test points pG and pL	Only VCH
/P	Screw plug	(accessories, right, inlet)
/M	Pressure test point	
/1	DG 17                    /1G                    DG 17 with gold contact	
/2	DG 40                    /2G                    DG 40 with gold contact	
/3	DG 110                  /3G                    DG 110 with gold contact	
/4	DG 300                  /4G                    DG 300 with gold contact	
/I	Bypassvalve VBY, fitted	
/R	Pilot gas valve VBY, fitted	
/-	None	



**Number:** UKCA/0558/22/054      **Replaces:** 17GR0193/00  
**Issue Date:** 04-02-2022      **Contract Number:** PS7133  
**Due Date:** 04-02-2032      **Module:** B (Type Testing)  
**Report Number:** 121580      **Scope:** Gas Appliances  
**PIN:** 0063BO1580      **Page:** 10 of 10

## APPENDIX TO UKCA TYPE EXAMINATION CERTIFICATE

P Screw plug (accessories, right, interspace 1)  
M Pressure test point  
/1 DG 17 1G DG 17 with gold contact  
/2 DG 40 2G DG 40 with gold contact  
/3 DG 110 3G DG 110 with gold contact  
/4 DG 300 4G DG 300 with gold contact  
- none

P Screw plug (accessories, right, interspace 1)  
M Pressure test point  
/1 DG 17 1G DG 17 with gold contact  
/2 DG 40 2G DG 40 with gold contact  
/3 DG 110 3G DG 110 with gold contact  
/4 DG 300 4G DG 300 with gold contact  
I Bypassvalve VBY, fitted  
R Pilot gas valve VBY, fitted  
- None

P Screw plug (accessories, right, outlet)  
M Pressure test point  
/1 DG 17 1G DG 17 with gold contact  
/2 DG 40 2G DG 40 with gold contact  
/3 DG 110 3G DG 110 with gold contact  
/4 DG 300 4G DG 300 with gold contact  
- None

Accessories on left-hand side equivalent to those on right-hand side  
\*excluded if not applicable  
(Accessories model breakdown not shown on product label)