



Issue Date: 13-06-2022 Contract Number: PS7188

Due Date: 13-06-2032 Module: B (Type Testing)

Report Number: 120669 Scope: Gas Appliances

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## **UKCA TYPE EXAMINATION CERTIFICATE**

Kiwa Ltd. hereby declares that the multi-functional control, type(s)

84X Sigma

Manufacturer SIT S.P.A.

35129 Padova, Italy

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 126:2012

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

M 1 Contre

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## APPENDIX TO UKCA TYPE EXAMINATION CERTIFICATE

Manufacturer: SIT S.P.A.

Multi-functional control and associated safety devices for gas appliances Type 84X Sigma is intended for use on gas appliances and similar use.

List of all available types:

84x SIGMA Multi-functional control approved on EN 126.

connection size: Rp 1/2" according to ISO 7-1

G3/4" according to ISO 228 G1/2" according to ISO 228

Flange connection, with straight or side outlet

or quick fit straight or side outlet

Supply voltage: 230 V - 50 Hz

230 Vrac 220 V - 60 Hz 24 V - 50 Hz 24 Vdc 24 Vrac 22 Vdc 31 Vdc 21 Vdc

Maximum inlet pressure: 60 mbar

Ambient temperature range: -10 °C to 60 °C or

-10 °C to 70 °C or -10 °C to 80 °C or -15 °C to 70 °C

(-20 °C to 60 °C on request except for 848 SIGMA)

Suited for gas families I, II, III

Degree of protection IP 44 with SIT 504 NAC connector

Closing time less than 1 second Mechanical strength group 2

Flow capacity  $6 \text{ m}^3\text{/h}$  at dP=5 mbar (d=0,55) (B-J version)

4  $m^3/h$  at dP=5 mbar (d=0,55) (B-C version)

840 SIGMA Two electro-magnetic shut-off valves class B + J or B + C

With or without step opening

pressure regulator class B (pressure range 1 to 50 mbar)



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## APPENDIX TO UKCA TYPE EXAMINATION CERTIFICATE

843 SIGMA Two electro-magnetic shut-off valves class B + J or B + C

With High\Low pressure regulator class B (pressure range 1 to 50 mbar)

845 SIGMA Two electro-magnetic shut-off valves class B + J or B + C

Pressure regulator class B with modulation coil

Pressure ranges: 1 to 37 mbar (red setting screw/modulator axis in

horizontal position)

1 to 20 mbar (white setting screw/modulator axis in

horizontal position)

3 to 45 mbar (red setting screw/modulator axis in

horizontal position)

845 SIGMA PS Two electro-magnetic shut-off valves class B + J

Power supply 24 Vdc with dedicated power saving circuit (\*)

Pressure regulator class B with modulation coil

Pressure ranges: 1 to 37 mbar (red setting screw/modulator axis in

horizontal position)

1 to 20 mbar (white setting screw/modulator axis in

horizontal position)

3 to 45 mbar (red setting screw/modulator axis in

horizontal position)

(\*) the used electronics for the 845 Sigma PS must be safe at second fault (acc. to EN 13611 clause 6.6 class C)

848 SIGMA Two electro-magnetic shut-off valves class B + J or B + C

Servo controlled gas/air ratio controller

Amplification factor 1:1

Pressure governor performance class B

Pressure range 0.3 to 30 mbar Zero adjustment range -0.3/+0.3mbar

Zero adjustment of pre-set value with offset cap fitted: -/+ 0.11 mbar

848 SIGMA PS Two electro-magnetic shut-off valves class B + J or B + C

Power supply 24 Vdc with dedicated power saving circuit (\*)

Servo controlled gas/air ratio controller

Amplification factor 1:1

Pressure range 0.3 to 30 mbar

Zero adjustment range -0.3/+0.3 mbar

Zero adjustment of pre-set value with offset cap fitted: -/+ 0.11

mbar

(\*) the used electronics for the 848 Sigma PS must be safe at second fault (acc. to EN 13611 clause 6.6 class C)



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## APPENDIX TO UKCA TYPE EXAMINATION CERTIFICATE

849 SIGMA Two electro-magnetic shut-off valves class B + J or B + C or

One electro-magnetic shut-off valve class B

Pressure regulator class B with current controlled modulation device

Pressure ranges: 0.3 to 15 mbar

Ambient temperature range: 0 °C to 60 °C

-15 °C to 60 °C

849 SIGMA MOD-S Pressure regulator class B with current controlled modulation device

Pressure ranges: 0.3 to 15 mbar