

EU TYPE-EXAMINATION CERTIFICATE (MODULE B) REGULATION (EU) 2016/426

This is to certify that the appliances listed have been examined and found to comply with the essential requirements listed in the **Regulation (EU) 2016/426** of the European Parliament and of the council of 9 March 2016 on appliances burning gaseous fuels (Annex I).

To demonstrate full compliance with the Regulation (EU) 2016/426, a "Conformity to Type" Module C2 or D or E or F is required.

Manufacturer: Immergas S.p.A.

Via Cisa Ligure, 95
42041 Brescello (RE)
Italy

Trademark: IMMERGAS

Product Type: Gas-fired central heating boilers - Type B1 appliances

Models: AVIO ECO 24, NIKE ECO 24

Certificate N°: ITS-2575-GAR-2437501

PIN: 2575DP37501

Certificate Issue date:

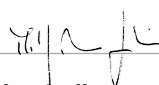
16 September 2024

Certificate Expiry date:

15 September 2034

This certificate only relates to those products detailed in the following Test Reports:

Report Number: 200037501UDI-GCE-RCE



Michael Albert Gandin

Certification Manager
Intertek Italia SpA (NB 2575)



PRD N° 277B

Membro degli Accordi di Mutuo
Riconoscimento EA, IAF e ILAC

Signatory of EA, IAF and ILAC
Mutual Recognition Agreements



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PRODUCT DESCRIPTION

PRODUCT TYPE: Gas-fired central heating boilers

MODELS: AVIO ECO 24

STANDARD(S): EN 15502-1:2021+A1:2023, EN 15502-2-2:2024

SPECIAL REMARKS: -

APPLIANCES TYPE: B_{11BS}

GAS CATEGORIES: I_{2H}

GAS GROUP, REFERENCE GAS AND SUPPLY PRESSURES:

GROUP	REFERENCE GAS	GROUP	REFERENCE GAS
2H	G20 – 20 mbar	2H	G20 – 25 mbar

PRODUCT DESCRIPTION

PRODUCT TYPE:	Gas-fired central heating boilers
MODELS:	NIKE ECO 24
STANDARD(S):	EN 15502-1:2021+A1:2023, EN 15502-2-2:2024
SPECIAL REMARKS:	-
APPLIANCES TYPE:	B _{11BS}
GAS CATEGORIES:	I _{2H} , I _{2E}

GAS GROUP, REFERENCE GAS AND SUPPLY PRESSURES:

GROUP	REFERENCE GAS	GROUP	REFERENCE GAS	GROUP	REFERENCE GAS
2H	G20 – 20 mbar	2H	G20 – 25 mbar	2E	G20 – 20 mbar

REVISION AND COMMENTS

DD/MM/YYYY	AMENDED BY	PROJECT NO.	REPORT NO.	REASON FOR REVISION
16/09/2024	M.A. Gandin	37501	200037501UDI-GCE-RCE	R0: First issue

EC TYPE-EXAMINATION CERTIFICATE (MODULE B)

DIRECTIVE 92/42/EEC

This is to certify that, with reference to the Council **Directive 92/42/EEC** of 21 May 1992 on efficiency requirements for new hot-water boilers fired with liquid or gaseous fuels and according to article 4 of commission regulation (EU) No. 813/2013, the appliances listed have achieved the full and part load efficiencies written on Annex 1.

To demonstrate full compliance with the Directive 92/42/EEC, a "Conformity to type" Module C or D or E is required.

Manufacturer: Immergas S.p.A.
Via Cisa Ligure, 95
42041 Brescello (RE)
Italy

Trademark: IMMERGAS

Product Type: Gas-fired central heating boilers - Type B1 appliances

Models: AVIO ECO 24, NIKE ECO 24

Certificate N°: ITS-2575-BED-2437501

PIN: 2575DP37501

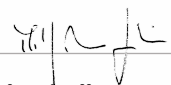
Standard(s): EN 15502-1:2021+A1:2023, FprEN 15502-2-2:2024

Certificate Issue date:

16 September 2024

Certificate Expiry date:

15 September 2034



Michael Albert Gandin

Certification Manager
Intertek Italia SpA (NB 2575)

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ANNEX 1

Models:		
	AVIO ECO 24	NIKE ECO 24
η_{100}	89,7 %	89,9 %
η_{30}	89,4 %	88,9 %
η_4	80,8 %	81,0 %
η_1	80,5 %	80,1 %
P_4	24,0 kW	24,0 kW
P_1	7,1 kW	7,1 kW
C.Heater	Yes	Yes
B ₁ Boiler	Yes	Yes
Type of boiler:	Other	Other

Note: η_{100} = At rated heat output and high-temperature regime - NCV (*) - EN 15502-1:2021+A1:2023, clause 9.4.3: "the useful efficiency in % at nominal heat input Q_n or for range rated boilers at the arithmetic mean of the maximum and minimum heat input"

η_{30} = At 30 % of rated heat output and low-temperature regime - NCV (**) - EN 15052-1:2021+A1:2023, clause 9.4.4: "the useful efficiency in % at 30 % of the nominal heat input Q_n or for range rated boilers at 30 % of the arithmetic mean of the maximum and minimum heat input"

η_4 = At rated heat output and high-temperature regime - GCV (*) - EN 15502-1:2021+A1:2023, clause 9.4.3: "the useful efficiency (GCV) at rated heat output"

η_1 = At 30 % of rated heat output and low-temperature regime - GCV (**) - EN 15052-1:2021+A1:2023, clause 9.4.4: "the useful efficiency at 30 % heat output"

P_4 = At rated heat output and high-temperature regime (*)

P_1 = At 30 % of rated heat output and low-temperature regime (**)

C.Heater = Combination Heater (Yes = with domestic hot water production / No = Heating system only)

B₁ Boiler = Type B₁ according to CEN/TR 1749:2020

Type of boiler: "Condensig Boiler" or "Low Temperature Boiler" or Other Boiler"

(*) High-temperature regime means 60 °C return temperature at heater inlet and 80 °C feed temperature at heater outlet.

(**) Low temp. means for condensing boilers 30 °C, for low-temp. boilers 37 °C and for other heaters 50 °C return temperature (at heater inlet).

(n.t. = not tested; n.a. = not applicable)

REVISION AND COMMENTS

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16/09/2024	M.A. Gandin	37501	200037501UDI-GCE-RCE	R0: First issue