

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: Riello S.p.A.
Via Ing. Pilade Riello, 7
37045 Legnago (VR)
Italy

Trademark: RIELLO

Product Type: Central heating combi condensing boiler

Models: RESIDENCE AQUA 25 BIS

Certificate N°: ITS-2575-GAR-244129301-R1

PIN: 2575DM28897

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

Report Number: 200028897UDI-GCE-RCE-R12

Certificate Issue date:

19 May 2025

Certificate Expiry date:

17 October 2034

Michael Albert Gandin

Certification Manager
Intertek Italia SpA (NB 2575)



PRD N° 277B

Membro degli Accordi di Mutuo
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Signatory of EA, IAF and ILAC
Mutual Recognition Agreements



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PRODUCT DESCRIPTION

PRODUCT TYPE:	Central heating combi condensing boiler
MODELS:	RESIDENCE AQUA 25 BIS
STANDARD(S):	EN 15502-1:2021+A1:2023, EN 15502-2-1:2022+A1:2023 /AC:2024, CEN/TS 15502-3-1:2024, UNI-TS 11854
SPECIAL REMARKS:	Minimum ambient temperature > 0°C (-15°C with frost protection kit) Values declared by the Manufacturer
APPLIANCES TYPE:	B _{23P} , B _{53P} , C ₁₃ , C ₃₃ , C ₄₃ , C ₅₃ , C ₆₃ , C ₈₃ , C ₉₃ , C _{13x} , C _{33x} , C _{43x} , C _{53x} , C _{63x} , C _{83x} , C _{93x} , C ₍₁₀₎₃
COUNTRIES:	According to EN 437:2021
GAS CATEGORIES:	I _{2H} , I _{2HY20} , I _{2HY20M} , I _{2E} , I _{2EY20} , I _{2ELL} , I _{2E(S)} , I _{2E(R)} , I _{2Esi} , I _{2Er} , I _{2ELWLS} , I _{2EY20LWLS} , I _{3P} , II _{2H3P} , II _{2HY203P} , II _{2HY20M3P} , II _{2E3P} , II _{2EY203P} , II _{2E(S)3P} , II _{2E(R)3P} , II _{2Esi3P} , II _{2Er3P} , II _{2ELL3P} , II _{2ELWLS3P} , II _{2EY20LWLS3P}

DETAILS FOR GAS GROUPS, REFERENCE GASES AND SUPPLY PRESSURES:

GROUP	REFERENCE GAS	GROUP	REFERENCE GAS	GROUP	REFERENCE GAS
2H	G20 – 20 mbar	2LL	G25 – 20 mbar	3P	G31 – 30 mbar
2H	G20 – 25 mbar	2Lw	G27 – 20 mbar	3P	G31 – 37 mbar
2E	G20 – 20 mbar	2Ls	G2.350 – 13 mbar	3P	G31 – 50 mbar
2Esi	G20/G25 – 20/25 mbar	2M	G230 – 20 mbar		
2Er	G20/G25 – 20/25 mbar	2HY20	G20Y20 – 20 mbar #		
2E(S)	G20 – 20 mbar	2EY20	G20Y20 – 20 mbar #		
2E(R)	G20 – 20 mbar				

Suffix Y20 indicates gas group(s) not yet introduced in EN 437 and based on a gas blend of Methan/Hydrogen with max amount of H₂ = 20mol%.

REVISION AND COMMENTS

DD/MM/YYYY	AMENDED BY	PRJ NO.	REPORT NO.	REASON FOR REVISION
18/10/2024	M.A. Gandin	41293	200028897UDI-GCE-RCE-R11	R0: First issue
19/05/2025	M.A. Gandin	44236	200028897UDI-GCE-RCE-R12	R1: Introduction of an alternative component and standards updating

EU 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: Riello S.p.A.
Via Ing. Pilade Riello, 7
37045 Legnago (VR)
Italy

Trademark: RIELLO

Product Type: Central heating combi condensing boiler

Models: RESIDENCE AQUA 25 BIS

Certificate N°: ITS-2575-BED-244129301-R1

PIN: 2575DM28897

Standard(s): EN 15502-1:2021+A1:2023,
EN 15502-2-1:2022+A1:2023/AC:2024

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

Report Number: 200028897UDI-GCE-RCE-R12

Certificate Issue date:

19 May 2025

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17 October 2034

Michael Albert Gandin

Certification Manager
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ANNEX 1

Models:			
	RESIDENCE AQUA 25 BIS		
η_{100}	97,0 %		
η_{30}	109,3 %		
η_4	87,3 %		
η_1	98,5 %		
P_4	19,4 kW		
P_1	6,5 kW		
C.Heater	Yes ⁽¹⁾		
B ₁ Boiler	No		
Type of boiler:	Condensing		
Range Rated?	Yes		
⁽¹⁾ models designed for heating only but with the possibility of combining a remote storage tank (the boiler does not have the sanitary circuit but keeps the three-way valve and the connections for the remote storage tank).			

Note: η_{100} = At rated heat output and high-temperature regime - NCV (*) - EN 15502-1:2021, 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 Q_a "
 η_{30} = At 30 % of rated heat output and low-temperature regime - NCV (**) - EN 15052-1:2021, clause 9.4.3: "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 Q_a "
 η_4 = At rated heat output and high-temperature regime (*)
 η_1 = At 30 % of rated heat output and low-temperature regime (**)
 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 = B1 according CEN/TR 1749:2014
 Type of boiler: "Condensing 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).

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18/10/2024	M.A. Gandin	41293	200028897UDI-GCE-RCE-R11	R0: First issue
19/05/2025	M.A. Gandin	44236	200028897UDI-GCE-RCE-R12	R1: Typo correction