

# 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 floor-standing condensing boiler

**Models:** HERCULES 25, HERCULES SOLAR 25, HERCULES MINI 35,  
HERCULES 35, HERCULES 35 ABT

**Certificate N°:** ITS-2575-GAR-2438199

**PIN:** 2575DP38199

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

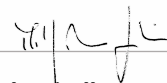
**Report Number:** 200038199UDI-GCE

**Certificate Issue date:**

02 October 2024

**Certificate Expiry date:**

01 October 2034



**Michael Albert Gandin**

Certification Manager  
Intertek Italia SpA (NB 2575)



PRD N° 277B

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## PRODUCT DESCRIPTION

<b>PRODUCT TYPE:</b>	Gas-fired floor-standing condensing boiler
<b>MODELS:</b>	HERCULES 25, HERCULES SOLAR 25, HERCULES MINI 35, HERCULES 35, HERCULES 35 ABT
<b>STANDARD(S):</b>	EN 15502-1:2021+A1:2023, EN 15502-2-1:2022+A1:2023, UNI/TS 11854
<b>SPECIAL REMARKS:</b>	-
<b>APPLIANCES TYPE:</b>	B <sub>23</sub> , B <sub>23P</sub> , B <sub>33</sub> , B <sub>53</sub> , B <sub>53P</sub> , C <sub>13</sub> , C <sub>33</sub> , C <sub>43</sub> , C <sub>53</sub> , C <sub>63</sub> , C <sub>83</sub> , C <sub>93</sub> , C <sub>(10)3</sub> *, C <sub>(12)3</sub> *, C <sub>(15)3</sub> *, C <sub>13X</sub> , C <sub>33X</sub> , C <sub>43X</sub> , C <sub>53X</sub> , C <sub>63X</sub> , C <sub>83X</sub> , C <sub>93X</sub> , C <sub>(10)3X</sub> *, C <sub>(12)3X</sub> *, C <sub>(15)3X</sub> *
<b>GAS CATEGORIES:</b>	* = these appliance typologies are NOT available for gas category 3P (G31)  I <sub>2H</sub> , I <sub>2HY20</sub> , I <sub>2HM</sub> , I <sub>2HY20M</sub> , I <sub>2E</sub> , I <sub>2EY20</sub> , I <sub>2E(S)</sub> , I <sub>2E(R)</sub> , I <sub>2ELwLs</sub> , I <sub>3P</sub> , II <sub>2H3P</sub> , II <sub>2HY203P</sub> , II <sub>2HM3P</sub> , II <sub>2HY20M3P</sub> , II <sub>2E3P</sub> , II <sub>2EY203P</sub> , II <sub>2E(S)3P</sub> , II <sub>2E(R)3P</sub> , II <sub>2ELwLs3P</sub>

### DETAILS FOR GAS GROUPS, REFERENCE GASES AND SUPPLY PRESSURES:

GROUP	REFERENCE GAS	GROUP	REFERENCE GAS	GROUP	REFERENCE GAS
2H	G20 – 20 mbar	2E(S)	G20 – 20 mbar	3P	G31 – 30 mbar
2H	G20 – 25 mbar	2E(R)	G20 – 20 mbar	3P	G31 – 37 mbar
2E	G20 – 20 mbar	2Ls	G2.350 – 13 mbar	3P	G31 – 50 mbar
2HY20	G20Y20 – 20 mbar #	2Lw	G27 – 20 mbar		
2EY20	G20Y20 – 20 mbar #	2M	G230 – 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 H<sub>2</sub> = 20%

## REVISION AND COMMENTS

DD/MM/YYYY	AMENDED BY	PROJECT NO.	REPORT NO.	REASON FOR REVISION
02/10/2024	M.A. Gandin	38199	200038199UDI-GCE	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 floor-standing condensing boiler

**Models:** HERCULES 25, HERCULES SOLAR 25, HERCULES MINI 35,  
HERCULES 35, HERCULES 35 ABT

**Certificate N°:** ITS-2575-BED-2438199

**PIN:** 2575DP38199

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

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

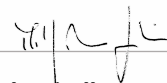
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## ANNEX 1

<b>Models:</b>			
	<b>HERCULES 25, HERCULES SOLAR 25</b>	<b>HERCULES MINI 35, HERCULES 35, HERCULES 35 ABT</b>	
$\eta_{100}$	97,4 %	97,3 %	
$\eta_{30}$	109,9 %	109,7 %	
$\eta_4$	87,7 %	87,6 %	
$\eta_1$	99 %	98,8 %	
$P_4$	20,2 kW	28,2 kW	
$P_1$	6,9 kW	9,5 kW	
C.Heater	Yes	Yes	
B <sub>1</sub> Boiler	No	No	
Type of boiler:	Condensing	Condensing	
Range rated	Yes	Yes	

Note:  $\eta_{100}$  = 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"

$\eta_{30}$  = 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"

$\eta_4$  = 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"

$\eta_1$  = 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)

B<sub>1</sub> Boiler = Type B<sub>1</sub> 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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