



Number	100591/01	Replaces	--
Issue date	21-12-2018		
Report number	180301177	Contract number	E 8090
PIN	0063CT3177	Scope	Art. 4 of No. 813/2013 (2-8-2013) and/or 92/42/EEC (21-05-1992)

## EC TYPE EXAMINATION CERTIFICATE (BED/R813)

Kiwa, notified body for council Directive 92/42/EC, hereby declares that the **Central Heating Boilers,**

Brand:	<b>Protherm</b>
types:	<b>Gepard 18/24 MOV-LC/1 (H-VE-EU) Gepard 18/24 MOV-LC/1 (H-SK)</b>
Manufacturer:	<b>Protherm Production s.r.o. Skalica, Slovak Republik</b>

meet the requirements regarding useful efficiencies according to **article 4 of commission regulation (EU) No. 813/2013** and/or as described in the **Directive 92/42/EEC on efficiency requirements.**

This is based upon the measured values as given in the table in the appendice.

# CERTIFICATE

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**GASTEC**



Luc Leroy, Kiwa

**CE**  
0063



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## APPENDIX TO EC TYPE EXAMINATION CERTIFICATE (BED/R813)

### Protherm

#### Specifications:

Model(s): Gepard 18/24 MOV-LC/1 (H-VE-EU)  
Gepard 18/24 MOV-LC/1 (H-SK)

Condensing boiler: no  
Range rated: yes  
Low-temperature (\*\*) boiler: yes  
B1 boiler: yes  
Combination heater: yes

	Symbol	Value	Unit
<b>Useful heat output</b>			
At rated heat output and high-temperature regime (*)	P <sub>4</sub>	18.1	kW
At 30 % of rated heat output and low-temperature regime (**)	P <sub>1</sub>	5.5	kW
<b>Useful efficiencies</b>			
At rated heat output and high-temperature regime (*)	$\eta_4$	79.9	%
At 30 % of rated heat output and low-temperature regime (**)	$\eta_1$	81.1	%

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

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

Calculated values are based on gross calorific value (reference conditions: 15 °C, 1013,25 mbar)