

# CAREL



**gaSteam**



Powered by

**Ecoflam**

## Humidify and save!

CAREL's experience in the humidification sector, combined with Ecoflam gas heating technology, has led to the development of **gaSteam**, a range of gas-fired humidifiers, available in 45, 90 and 180 kg/h models.

**gaSteam** burns natural gas or LPG and is fitted with a sophisticated built-in electronic controller.

The price gap between gas and electricity makes **gaSteam** the ideal choice for more extreme applications, where steam is required many hours a day, producing savings of thousands of Euro per annum.

The exclusive design of the heat exchanger, removable and made from light alloy with a non-stick lining, ensures very high energy efficiency and highly simplified maintenance.

**gaSteam** can operate on drinkable water, either demineralised or mains water.

Easy to install, it is fitted with multiple safety devices and features CE, ETL and TÜV-DVGW certification, as well as certification by various national safety organisations.

humidification for life



## Technical characteristics

Models		UG045HD001	UG090HD001	UG180HD001
steam production	kg/h	45	90	180
modulation of steam production		25 to 100%	25 to 100%	25 to 100%
heat input	kW	34.76	65	130
heat output	kW	33.02	62.5	125
power supply	V	230 V/1	230 V/1	230 V/1
power input	W	250	285	201
steam pressure	Pa	0 to 2000	0 to 2000	0 to 2000
steam connection	mm	2x40	2x40	4x40
gas connection		1" G	1" G	1" 1/4 G
types of gas		natural gas (G20 and G25), propane (G31), butane (G30)		
natural gas (G20) flow-rate/pressure	m <sup>3</sup> St/h / Pa	3.68/2000	7.21/2000	13.4/2000
natural gas (G25) flow-rate/pressure	m <sup>3</sup> St/h / Pa	4.2/2000	8.7/2000	17.5/2000
propane (G31) flow-rate/pressure	m <sup>3</sup> St/h / Pa	1.43/3000	2.68/3000	5.36/3000
butane (G30) flow-rate/pressure	m <sup>3</sup> St/h / Pa	1.10/3000	2.06/3000	4.12/ 3000
NOx emissions	classe	5 (<70 mg/kWh)	5 (<70 mg/kWh)	4 (<100 mg/kWh)
flue diameter	mm	80	80	2x80
intake pipe diameter	mm	80	80	2x80
supply water connection		3/4" G male	3/4" G male	3/4" G male
total hardness max. (*)	°fH	50	50	50
conductivity limit max. (*)	(µS/cm)	1500	1500	1500
drain connection	mm	40	40	40
instant flow	l/min	22.5	22.5	22.5
dimensions	mm (LxWxH)	1020x570x1200	1020x570x1200	1020x930x1200
weight (empty)	kg	150	150	240
built-in controller		•	•	•
external ON/OFF or proportional cont.		•	•	•
preheating		•	•	•
LCD display with text and graphics		•	•	•
remote ON/OFF; alarm relay		•	•	•
supports limit probe		•	•	•

(\*) **gaSteam** can be supplied with completely demineralised water (0 °fH). Instead, in case it is supplied with softened water, CAREL recommend to respect the total hardness minimum value specified in the table above and the instructions given in the manual.