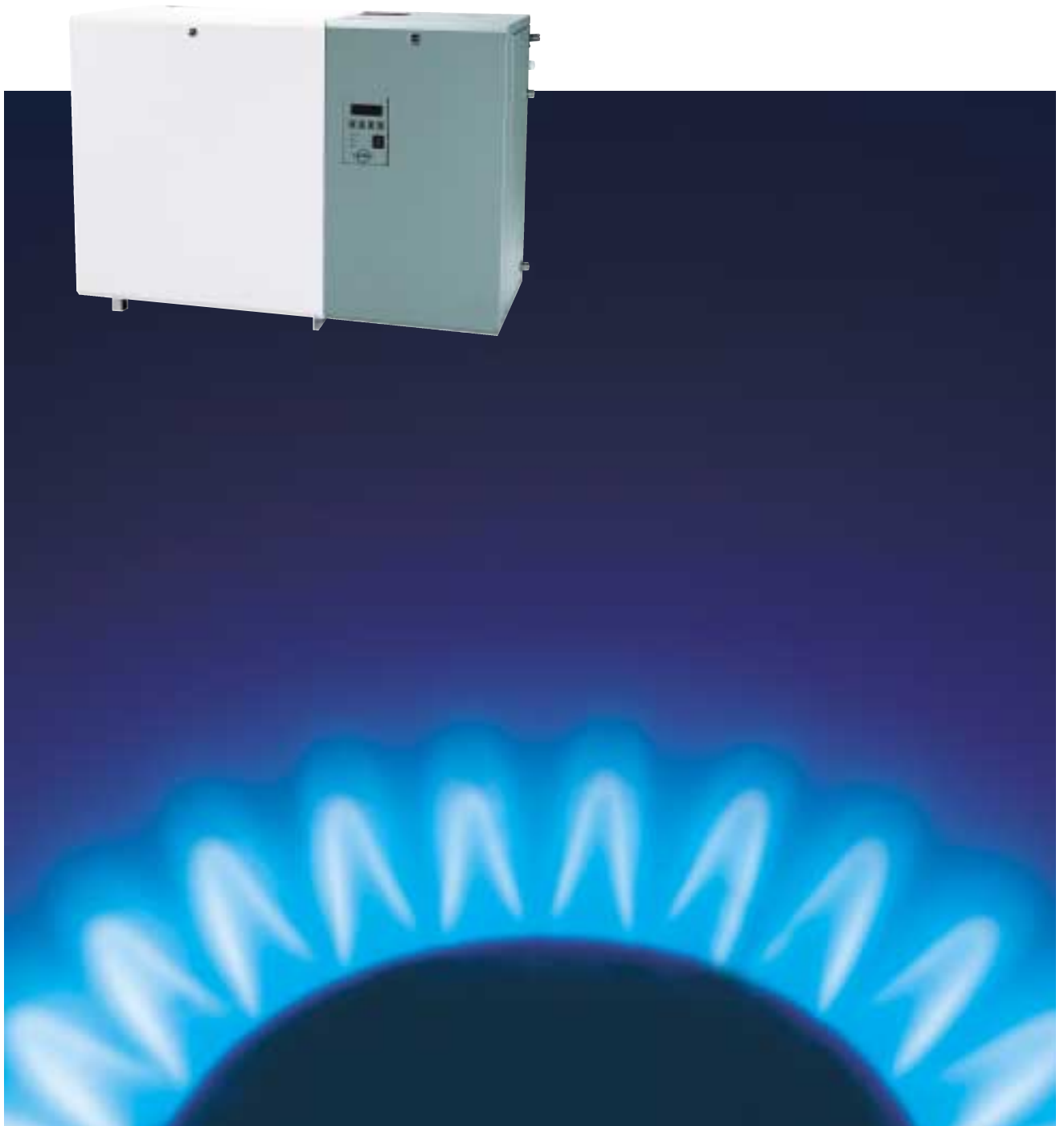


Condair GS

# High efficient gas-driven steam generators



## Maximum benefit from ecological energy

# Steam generation employing the most efficient technology

**Regardless of which energy is used to generate steam, the quantity required remains the same. It is therefore necessary to utilise the most efficient energy if cost-effective humidification is to be achieved. Gas not only offers a unique cost-benefit ratio, but is also the best energy source from an environmental point of view. Worldwide use of natural and ecological gas is growing at a rapid rate.**

**The efficiency of the latest generation of gas-fired steam generators from Condair has once more been considerably increased in this respect.**

### **Innovative**

The newly-developed 360° full circle technology employed in the combustion system ensures low emissions and enables continuous performance control from as low as 10 kg/h steam output. The thoroughly new design of the chambered heat exchanger achieves a thermal efficiency of over 90%.



### **Maintenance-friendly**

A generously-proportioned front aperture enables comfortable servicing and cleaning of the heat exchanger.



### **Continuously adjustable**

The GS can be supplied in versions with six different output capacities. In the case of the GS-240, to give an example, continuous control of steam output is possible from 10 kg/h up to a maximum output of 240 kg/h. The unit control system is controlled by microprocessor and can be actuated with all common control signals.

Condair GS has been tested to confirm all European standards



# cient and environmentally-friendly method

## User-friendly

The GS has a user-friendly, integrated help function. The control can be linked to a building services master control system via an open transmission protocol (e.g. LON). Up to 10 humidifiers can be linked to form an integrated system.



## Safe

An automatic operation control with integrated ionisation monitoring and a fault detection system with safety shutdown ensure that operation of the Condair GS is completely safe. Operational reliability is guaranteed, thanks to an intelligent water management system consisting of an external float unit, filling valve, drain pump and a drain waste water cooler.

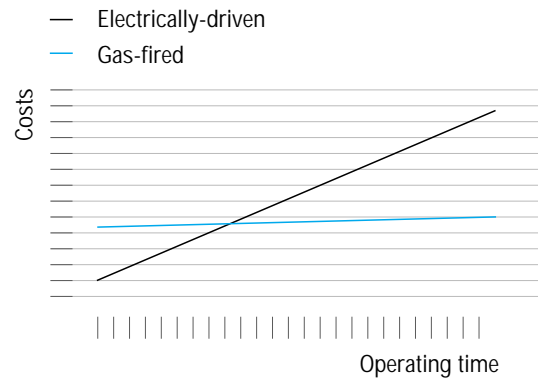
## Variability

Numerous suitable steam distribution tubes are available for steam distribution which can be integrated in a monoblock system or a duct.



## Effective

Gas is one of the cheapest sources of energy and enables average amortisation of a gas humidifying unit within less than 2 years. This means a considerably increased ROI when compared with conventional steam generation methods. Your sales partner will be more than willing to calculate the specific amortisation duration and the savings involved.



ds and has been certified by Advantica (British Gas)



# And these are your advantages:

- Maximum cost-effectiveness during operation
- Short amortisation duration
- Rapid, simple humidifier assembly and installation, thanks to an integrated frame
- Steam distribution systems for all common applications, special systems realised on request
- 360° full circle burner technology for minimum emissions and maximum-accuracy continuous control
- Robust stainless steel water tank and heat exchanger
- Suitable for both untreated and treated water
- Integrated water management system for increased operational safety

## The most important technical data for the humidifier:

Condair GS	Type	40	80	120	160	200	240
Humidifying output	kg/h	10...40	10...80	10...120	10...160	10...200	10...240
Mains power connection		230V, 50...60Hz					
Maximal thermal output	kW	36.5	73.0	109.5	146.0	182.5	219.0
All conventional control signals		0...5VDC/1...5VDC/0...10VDC/0...20mA/4...20mA					
Control accuracy		+/- 5% r.F.					
Gas types		G20, G25					
Air duct pressure	Pa	-800...+1700					
Height	cm	81.5 all Types					
Width	cm	118 all Types					
Depth	cm	50.8	67.3	103.5	103.5	146.4	146.4



Consulting, sales and service

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