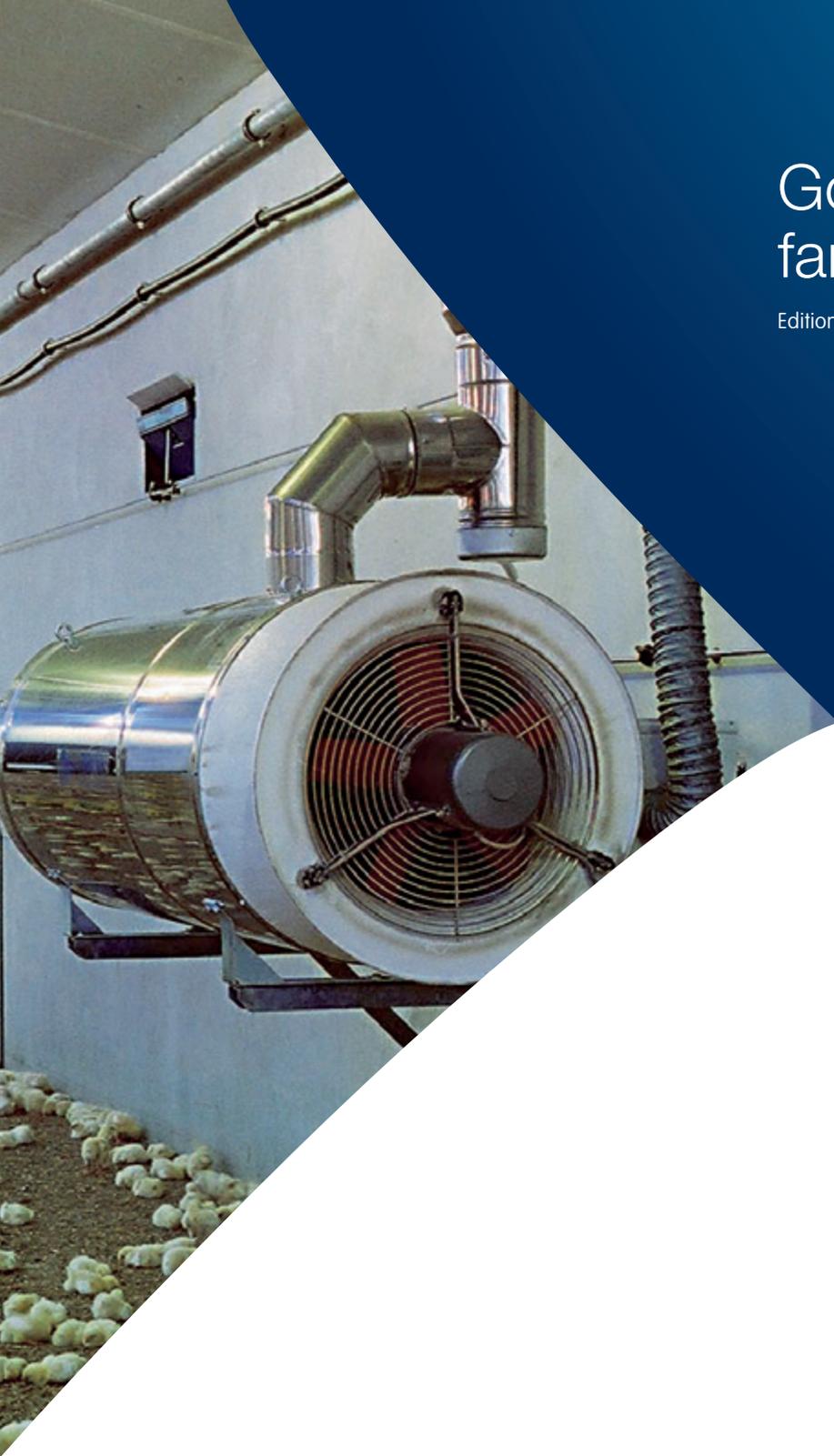
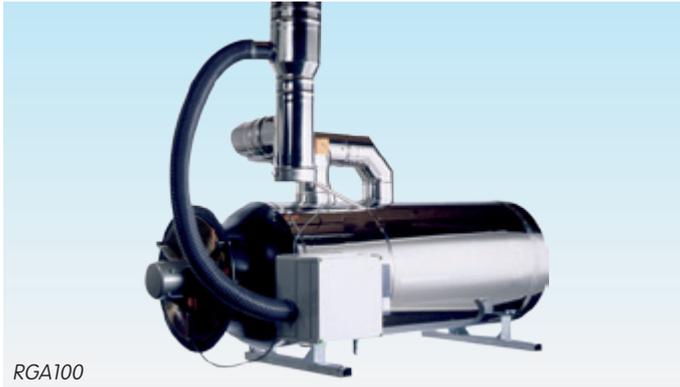


# Good news for poultry farmers!

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RGA100

## Good news for poultry farmers!

Reducing levels of CO<sub>2</sub> in broiler chicken houses lowers operating costs and increases output as well as operating profits. With the RGA100, Elster-Instromet is launching the low-CO<sub>2</sub> system solution for budget-conscious poultry farmers.

### What can it do for you?

Successful farmers know that the lower the CO<sub>2</sub> levels in the broiler house, the more meat is produced and the better the quality of the meat. However, if you want to improve the atmospheric environment in the broiler house by ventilating, energy is lost. Elster-Instromet is offering a solution which allows you to leave the windows shut and therefore save energy. The RGA100 is a self-contained air heater with a chimney, which is optionally available with modulating control from 60 to 95 kW. Energy efficiency is more than 92%. You can therefore save energy with this heating device, if you want to reduce the CO<sub>2</sub> levels in the broiler house. In addition, thanks to the RGA100's self-contained system, there is no open combustion with the corresponding nuisance of smoke.

### Why should you invest in this technology now?

In June 2010, new European regulations on meat production will come into force. Subsequently, in the case of poultry farming, poultry stocking density must not exceed 33 kg/m<sup>2</sup>. There may be exemptions, provided that the CO<sub>2</sub>, ammonia and humidity values are complied with. Stocking densities may then be increased considerably. Alternatively, you would, of course, also have the possibility of enlarging the surface area of the houses accordingly.

This solution is, however, only recommended for holdings that delight in asking for planning permissions and that must not keep a tight rein on their budget.



RGA95

## Which real advantages does the RGA100 offer compared with conventional heating systems?

We have looked into the results that can be achieved by installing the RGA100. Our sample calculation refers to an increase in the number of animals from 33 kg/m<sup>2</sup> to 39 kg/m<sup>2</sup> (= 18.18%). The University of Bonn notes an annual reduction in process costs of 2,000 euros for 40,000 broilers. An experimental farm in Belgium put the increase in income at 10,700 euros per year (based on 50,000 animals). Furthermore, the reduction of 600 euros per year in the insurance premium per 1,000 m<sup>2</sup> is not to be ignored (source: Groupama France).

### Hot air device with chimney, operated with diesel or kerosene

Type	Output	Air flow	Range	Consumption
RGA60 230 V	60 kW	5,600 m <sup>3</sup> /h	35 m	6 l/h
RGA95 tuin 230/400 V	95 kW	8,000 m <sup>3</sup> /h	40 m	10 l/h
RGA95 stal 230 V	95 kW	8,000 m <sup>3</sup> /h	40 m	10 l/h

### Hot air device with chimney, operated with natural gas or propane

Type	Output	Air flow	Range	Consumption	
				Natural gas H	Propane
RGA100 230 V	95 kW	8,000 m <sup>3</sup> /h	40 m	8 m <sup>3</sup> /h	6.9 kg/h

Elster-Instromet is the leading supplier of energy-efficient system solutions and components for agriculture and horticulture.

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