



Bespoke air duct heaters



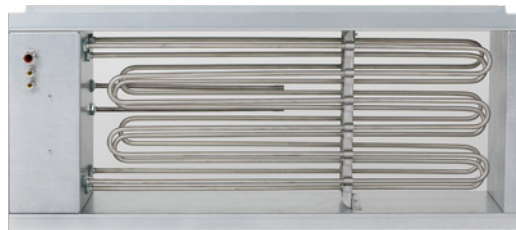
Application

Air duct heaters are being used in several industries to heat up air and gasses. Typical applications are drying, pre-heating, anti-condensation and climate control. They are built in ventilation ducts, ovens and drying installations. Heating Group International builds bespoke air duct heaters to meet the requirements of the customer. The design depends on the process of the project.

Construction

Air duct heaters from Heating Group International are built with a duct available in several materials, depending on the application. The ducting is completely welded around and has spot welded flanges to connect the heater to the existing ducting on site. The heater can also be supplied as a flanged duct heater. In this case no ducting is supplied. The heater can be immersed. The heating elements are standard AISI304 when used for air application.

We can also produce it with other elements if the product that has to be heated requires it. The elements can be casted to avoid moisture to penetrate and have leak current. The elements will have a watt density of 2,5w/cm² with a minimum flow of 2m/sec. The heater is provided with a safety limiter to protect it from overheating. To control the process, Heating Group International can build standard thermostats and control panels according to project specifications. When the temperature is higher than 100°C the connection box will be mounted on a distance. Upon request we can divide the heating element into multiple groups.



Technical specifications

Duct material	Zinc plated steel and stainless steel
Element material	AISI304 – AISI321 – AISI316 – Incoloy 800 – Incoloy 825
Element diameter	Ø8,5 – Ø10 – Ø12,5 – Ø16
Power	Up to 5MW
Voltage	Up to 3x 690V
Insulation resistance	Up to 2G ohm

Control

Every duct heater is being built with a safety thermostat with automatic reset and a safety thermostat with a manual reset to keep the elements from overheating. To control the process Heating Group International can build thermostats and control panels according to project specifications. Options in the control panels include: on/off control, PLC controller, PID controller and thyristors.

Other heaters

Heating Group International is a leading supplier in the area of Industrial electrical heating systems and is strong in the following sectors: construction, industry, ship-building and Oil & Gas. Our product portfolio includes flange heaters, duct heaters, fan heaters, heat tracing, silicone heating mats, tubular elements, band- en plate heating, cartridge heaters, brake resistors and boron nitrate (high flux) heaters. For more products and more information you can take a look at our website www.heatinggroup.eu.

Marketleader

Heating Group International is market leader in delivering and installation of ramp heating systems in the Netherlands. Our product portfolio includes the full width of products in the field of bespoke (ATEX) industrial electric heaters, including control panels from our own production. With our subsidiary in Aberdeenshire in Scotland, Ex Heating Ltd. also there we are a local contract partner for the Oil & Gas professionals.

Are you searching for supplier with the right expertise

Heating Group International is an international player with a unique approach. On one hand we offer you the finest of the finest products for electric heating systems. We're doing it fast, complete and mostly out of stock. On the other hand we are a solution-oriented systems supplier realizing turnkey solutions. For clients and their installers we are easy to approach and willing to share our knowledge. A partner with the right answer to any big and small question on heating. Almost all our products are available both in ATEX as non-ATEX execution and both in a broad range of standard products as well as off course as bespoke products. Our engineers are happy to think together with you to find the perfect solution for your heat related problem.

