

RAPIDHEAT RESISTANCE

TRANSFORMERS

Rapid Heat Systems' transformer type heating units are designed especially for on-site use. The heating units are compact and light for easy transportation. Models with a controller enable fast and easy documentation of the work. Transformers are dimensioned for primary connection of 63 A, with a common power supply on site. Output power of standard models are thyristor controlled but by the order can be delivered with contactors.



MODELS

RES403 Semi-automatic

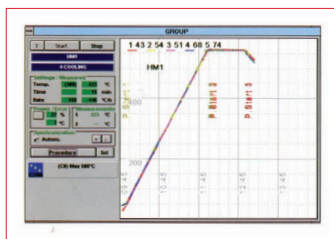
- three-channel heat treatment unit with processor controls

RES403 Fully-automatic

- three-channel heat treatment unit with computerised control system

RES406 Fully-automatic

- six-channel heat treatment unit with computerised control system



CONTROL SYSTEM

Easy management of heat treatment process is on RapidHeat Controllers and Windows based software. The control system and equipment are developed in team work with users. Using RapidHeat equipment we can offer reliable and accurate results and clear documentation.

LONG DISTANCE CONTROL

Rapid Heat control system offers possibility for alarms by gsm-phone and long distance monitoring. The system enables continuous control of the heat treatment process. You can select units with radio modems to enable wireless contact.

HEATING RESISTORS

The resistance wire used in heating mats is NiCr 80/20, which is the most suitable for the job. The wire material used in the tails is nickel which does not heat up during the heating process. The tail wire and the resistance wire are welded together to form a reliable joint. Beads in heating elements are high-quality aluminium oxide (Al₂O₃ ; 95 %) ceramic. The material is according to IEC 672 group C-700.

Heating elements in which there is a risk of tail breakage are equipped with tail supports. This construction ensures a longer product life.

QUICK SPECS

APPLICATIONS

Pipe Fabrication Shops
 Power Piping – Construction/Repair
 Transmission Pipeline – Construction/Repair
 Petrochemical – Construction/Repair
 Shipbuilding
 Mining Equipment Maintenance
 Drill Pipe Manufacturing

PROCESS

Resistance Heating

CONTROL SYSTEM

Semi Auto: 3 Processor Controllers
 Fully Auto: Controller with PC Software

TEMPERATURE RANGE

RES403: 20°C - 1050°C
 RES406: 20°C - 1200°C

MEASURING POINTS

RES403: 6 Points
 RES406: 12 Points

HEATING POWER

40kW

CONNECTION VOLTAGE

400 V; 3 Phase

DIMENSIONS

H: 1020 mm
 W: 600 mm
 L: 600 mm

WEIGHT

150kg



BASIC COLOURS ARE: WHITE AND PINK

RESISTANCE ACCESSORIES



Ceramic Pad Heating Elements



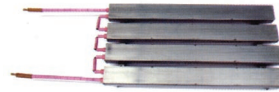
Flexible Pre-insulated Preheating Elements



Insulation Materials



Insulation Meshed Mats



4-Bank Channel Heater



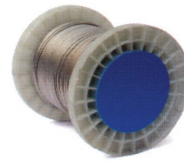
Magnetic Preheat Fixing



Insulation Mesh



Heater Core Wire



Cold Tail Wire



Ceramic Beads



Power Splitter Cables



Power Cables



Camlok Connector



Power Connector



Thermocouple Plug



Thermocouple Wire



Thermocouple Attachment Unit



Temperature Controller