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

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