

R6 EVO

High tension heat treatment machine - resistance method

DIMENSIONS:

Depth: 550 mm

Length: 810 mm

Height 420mm

WEIGHT:

45 kg

POWER:

120 KVA total

CHANNEL No:

n. 6 independent outputs

MAIN TECHNICAL CHARACTERISTICS:

- Maximum current for each output 50A
- Three phase power supply 400V 50
- Power control by static switch SCR
- Single output power 20KVA
- continuous temperature regulation 0 to 1000°C
- automatic regulation of heat treatment cycle temperature
- manual/automatic mode regulation
- automatic tension
- regulation of each output variable from 45 to 400V
- Over and under temperature security
- n.6 magneto-thermic switches for the protection against possible short-circuits
- n.6 300Ma differential switches for the protection against possible ground leakage
- Thermocouple type K, N, J (to be specified at time of PO)
- CE marking
- IP 65 security protection
- N. 1 microprocessor temperature electronic board suitable to control 6 outputs with the following characteristics:
 - PID regulation
 - mode selection: manual/automatic
 - adjustable band alarm
 - Linear interpolation of thermocouple
 - automatic room temperature compensation
 - reading and control of heating elements current
 - automatic regulation of the voltage according to heating elements dimensions



R6 EVO is assembled in a shock-proof and water-proof IP65 box, equipped with wheels and handle suitable for transport.

“Power control by static switch SCR allows a more accurate and appropriate power managing”

VIDEOGRAPHIC TOUCHSCREEN 7" PROGRAMMER / RECORDER

- TFT 7" touch screen display, 800x480 pixel with backlighting
- Functioning temperature -20 +65 °C
- Degrees °C o °F
- Thermocouple type K, N, J
- Accuracy class 0,3
- Set points, hold times, heating and cooling gradients, absorbed current and alarms setup
- Programming memory with 10 pre-set heating cycles.
- 8GB recorded cycles memory (equivalent to thousands of heating cycles)
- Recorded cycles download on USB key
- Status alarm (High and low temperature, interrupted thermocouple)
- Multilanguage (Italian, English, French and Spanish)
- Integrated instruction manual
- Protection Degree IP65



PAPER AUXILIARY RECORDER ASSEMBLED ON THE MACHINE (OPTIONAL TO BE REQUESTED)

Microprocessor temperature recorder, range 0 ÷ 1000°C,
Ni/Cr-Ni/Al "K" type thermocouples, flowing of diagram paper 20 mm/h, n. 6 plotting points, width of scale 100 mm.

- Inputs, paper speed and scale range programmable
- precision $\pm 0,3\%$ of the scale range ± 1 digit
- dimensions 144 x 144 mm




CONNECTING CABLE SET


POWER CABLES

	<p><i>N. 6 Bi-polar cables connecting the power unit to the heating element cables</i></p>	<ul style="list-style-type: none"> ▪ Length= 15m ▪ Sect. 2x16mmq ▪ PVC insulation ▪ Bi-polar connectors (MIL)
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HEATING ELEMENTS CONNECTING CABLES

	<p><i>Nr. 6 Two-ways cables for the connection of the power cables with heating elements.</i></p>	<ul style="list-style-type: none"> ▪ Length= 3m ▪ Sect. 10 mmq ▪ n. 1 MIL connector e n. 2 Camlock 60 A connectors with epoxu sleeves suitable for high temperature.

THERMOCOUPLE CONNECTING CABLES

	<p><i>N. 6 Compensating cables type "KX" for the thermocouple connection</i></p>	<ul style="list-style-type: none"> ▪ Length 15 Mt ▪ Insulation PVC+PVC 105° ▪ Polarized connectors type "K"
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