

## ANATHERM HT 8212 HEAT TREATMENT UNITS

The ANATHERM HT-8212 series heat treatment device is specially designed and used for workshop and field use for users who do not want to deal with complicated operations with robust structure, easy operation and service infrastructure.

On the system the most well-known and top quality companies in the market have used parts specially designed for such applications.

ANATHERM Heat Treatment Units are equipped with GLOBE P 159CF temperature programmer and CHINO AH 4712 temperature recorder, which are automatically programmed as 6 or 12 channels.

Each circuit has its own programmer, driver circuit and ammeter, which can control the current drawn. In addition, each channel has automatic / manual usage.

Since the heat treatment device is operating in the field, it is possible to cut off the energy in case of overheating by monitoring the transformer temperature, working cooling system depending on the transformer temperature, phase control, overcurrent, leakage current voltage protection, etc., all the circuits on the system are protected separately.



ANATHERM HT- 82/12



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**TECHNICAL SPECIFICATIONS:**

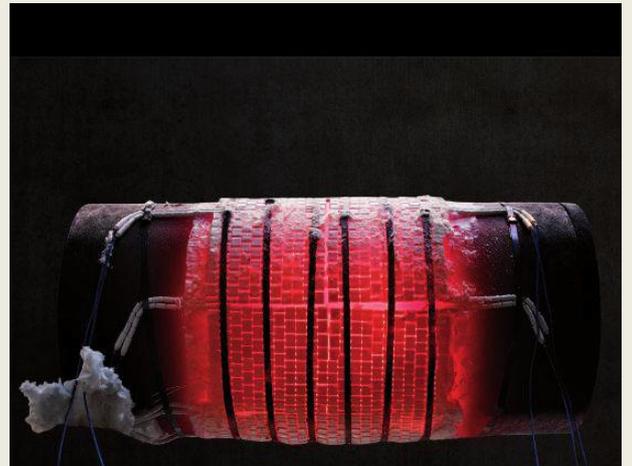
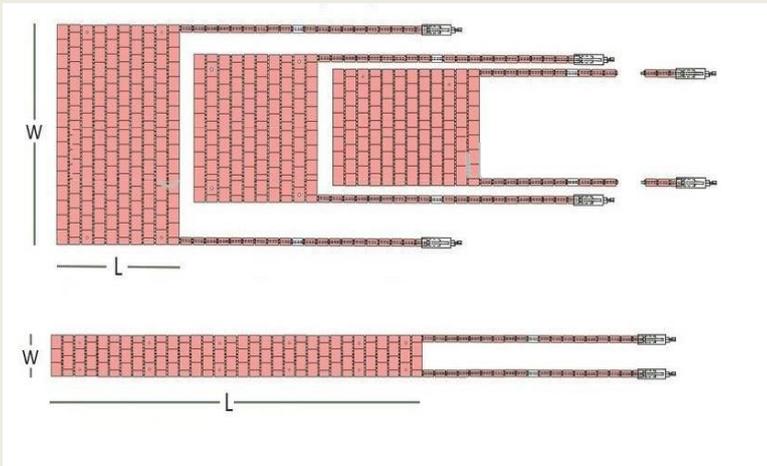
POWER AT %100 WORKİNG	82 kW
CHANNEL NUMBER	12
TEMPERATURE PROGRAMMER	12 PC. GLOBE P 159CF
TEMPERATURE RECORDER	1 PC. CHINO AH 4712 12 CHANNLE 6 COLOR GRAPHICS
WORKİNG TEMPERATURE	1200 °C
WORKİNG ENVIRONMENTAL TEMP.	-10 - +50 °C
POWER SUPPLY	380 V - AC 50Hz 90 kW
OUTPUT VOLTAGE	30-60 V / 2,7 kW
POWER CABLE	4 x 35 mm with 125 A SOCKET
PRECISION	0,5
CAPACITY	30 x 2.7kW 60V
BODY MATERIAL AND COLOR	STEEL, GREY
DIMENSIONS (WXHxD )	900 x 1400 x 800 mm
WEİGHt	660 KG

**HEATING ELEMENTS:**

The heating elements are extremely rugged and durable ceramic heaters and they are used in virtually every application area. The heater and energy cables are flexible, they can be easily used in very small pipes.

Circular welds of pipes and vessels, flange welding, longitudinal welds and surface heating etc. can be applied.

- 1.Constitute: 1.95% Alumina ceramics
- 2.Heating wire:Cr20Ni80 37\*0.4mm
- 3.Joint location : Pure copper, high temperature resistant joints
- 4.Cold tail wire : Pure nickel wire



### TEMPERATURE RECORDER AND PROGRAMMER:

The Chino AH4712-EOA 12 Point digital recorder is a hybrid recording device that offers the option of printing graphics and then recording to an SD card that can be processed from a .CSV file. The recorder is bright and clear, and can easily display the LCD screen. The measurement value indicator is configured as a sequential single channel display, a multi-point simultaneous display or a digital display + bar graph display. Various measurement and recording settings can be easily configured by the front control panel without PC connection.

#### Features:

- Standard model 12 channel
- Temperature range 0-1200 °C
- K polarized sockets attached to the back of the unit
- SD Card for transferring data to PC
- Ethernet connection
- Graphical End Detection Function
- 6 graphic speed (12,5, 25, 50, 75, 100, 150 mm/s)
- Chart and scale illumination for viewing in low light
- CE approved

#### Technical details:

- Chart Width : 180mm
- Chart type : EH5035 ( 0-1200 C )
- Thermocouple : NiCr / NiAl, Type K
- Mains supply : 110v / 240v ( 50 / 60 Hz )



### P159CF TEMPERATURE PROGRAMMER

#### Termocouple Input:

- According to BS4937-30:1993 K Type (NiCr / NiAl)
- Range : 0 ~ 1200 °C
- Measurement Accuracy : 0,3 °C
- Linearity : Better than 0,5 °C

#### The following values can be programmed:

- Start temperature
- Rate of rise
- Soak temperature
- Soak time
- Rate of fall
- Off temperature

#### Environmental/Safety:

- Operating temperature: 0 to 55 °C (Storage: 20 to 80 °C)
- Ambient humidity : % 10 to 90 rel. hum.
- CE compliant (EMC: EN 61326: 1998, LVD: EN 610101: 2001)

### ACCESSORIES:



#### TRIPLE CABLE SETS CONNECTED TO HEATERS:

Triple cable set, double-insulated copper cable with two ends with heat and oil resistance and flame retardant (HOFR), two 300 amperes female CamLock connectors on one end and two 300 Amperes male CamLock connectors on the other end.

The compensation cable is a cable with one thermocouple plug at one end and a thermocouple socket at the opposite end.

25 mm<sup>2</sup> 185A welding cable 300A Camlock, Type K balancing cable, STD thermocouple connectors

Leng: 15m, 25m, 30m or according to customer needs.

#### PARALLEL CONNECTION WIRE:

Splitter cables, 16 mm / 10 mm copper wire (3 way 10mm), 300-amp male connector on one end to attach to the power supply, and the other is made from three 60 amp female lock connectors.

Stocked in 2,3 and 4 way variants as standard, it is also available in black or orange cases.

1. 2 WAY SPLITTER BLACK 16mm<sup>2</sup> (or 10 mm<sup>2</sup>) / 1m
2. 2 WAY SPLITTER ORANGE 16mm<sup>2</sup> (or 10 mm<sup>2</sup>) / 1m
3. 3 WAY SPLITTER BLACK 16mm<sup>2</sup> (or 10 mm<sup>2</sup>) / 1m
4. 3 WAY SPLITTER ORANGE 16mm<sup>2</sup> (or 10mm<sup>2</sup>) / 1m
5. 4 WAY SPLITTER BLACK 16mm<sup>2</sup> (or 10mm<sup>2</sup>) / 1m
6. 4 WAY SPLITTER ORANGE 16mm<sup>2</sup> (or 10mm<sup>2</sup>) / 1m



Type K thermocouple wire  
Double winding,  
0.711mm  
100m.  
NiCr/NiSi  
Can be welded with spot welding

## ACCESSORIES

### THERMOCOUPLE WELDING MACHINE:



Dimensions	: 180Hx289Wx95mm
Weight	: 1kg
Maximum operating voltage	: 90V
Charge Voltage	: 110V-240V
Discharge energy	: 20-40Joules
T / double type	: K Type,
Standard wire size	: 0.1—2.0mm tapping tool

### STRAPPING DISPENSER:

The strap band is easy to carry by dispenser and can be used up to the end.  
The tape will be protected and not knotted.  
(Color and model may vary.)



### MANUEL STRAPPING TOOLS:

Used to stretch 16 mm 19 mm Steel Strappings

