



## EQUIPOS DE TRATAMIENTO TÉRMICO

### *PCE-230*

- DUAL-ZONE UNIT FULLY PROGRAMMABLE WITH RECORDER:
- (2) COMMUNICATING PROGRAMMABLE CONTROL
  - (1) 100MM SIMULTANEOUS DISPLAY 6 PT. RECORDER, CALIBRATED & CERTIFIED
  - (2) HEAVY DUTY 200AMP CONTACTOR
  - (1) 6 PT. THERMOCOUPLE JACK PANEL, TYPE K
  - (2) 25 FT. TRIPLE CABLESET
  - (4) 3-WAY SPLITTERS COLOR CODED
  - (1) INSTRUCTION MANUAL

\* Note: This unit requires a 300A welding machine as a power source.



\* Note: This Machine is Capable of Operating (6) 80V Ceramic Pad Heaters Simultaneously when Stress Relieving. Requires at least a 300A Welding Machine as a Power Source.

\*Options: Single-Stage Alarm  
Dual-Stage Alarms  
Ethernet  
Ceramic Pad Heater Package

### *PCE-330*

- 3-ZONE MACHINE "FULLY AUTOMATIC":
- (1) 35kVA NATURAL AIR TRANSFORMER
  - (1) HMI-USER FRIENDLY PROGRAMMER, INSTALLED WITH ASME HEAT TREATING & PWHT CYCLES
  - (3) COMMUNICATION PROGRAMMABLE CONTROLLERS
  - (1) 100MM SIMULTANEOUS DISPLAY 6 PT. RECORDER, CALIBRATED & CERTIFIED
  - (3) HEAVY DUTY 200AMP CONTACTORS
  - (4) HEAVY DUTY CASTORS, 2 FIXED, 2 SWIVEL
  - (1) 6 PT. THERMOCOUPLE JACK PANEL, TYPE K
  - (1) STROBE LIGHT W/ SIREN
  - (1) 25 FT. PRIMARY POWER CABLE
  - (1) POWDERCOATED CABINET "SAFETY YELLOW"
  - (1) CABLE RACK
  - (1) INSTRUCTION MANUAL



\* Note: This Machine is Capable of Operating (9) 80V Ceramic Pad Heaters Simultaneously when Stress Relieving.

\*Options: Single-Stage Alarm  
Dual-Stage Alarms  
Ethernet  
Ceramic Pad Heater Package



## EQUIPOS DE TRATAMIENTO TÉRMICO

### **PCE-630**

- 6-ZONE MACHINE "FULLY AUTOMATIC":
- (1) 75kVA NATURAL AIR TRANSFORMER
  - (1) HMI-USER FRIENDLY PROGRAMMER, INSTALLED WITH ASME HEAT TREATING & PWHT CYCLES
  - (6) COMMUNICATING PROGRAMMABLE CONTROLS
  - (1) 180MM SIMULTANEOUS DISPLAY 12 PT. RECORDER, CALIBRATED & CERTIFIED
  - (6) HEAVY DUTY 200AMP CONTACTORS
  - (4) HEAVY DUTY 6" CASTORS (2 FIXED, 2 SWIVEL)
  - (1) 12 PT. THERMOCOUPLE JACK PANEL, TYPE K
  - (1) STROBE LIGHT W/ SIREN
  - (1) AC OUTLET
  - (2) 10" FANS
  - (1) 25 FT. PRIMARY POWER CABLE
  - (1) POWDER-COATED CABINET "SAFETY YELLOW"
  - (1) CABLE RACK
  - (1) INSTRUCTION MANUAL

### **PCE-930**

- 9-ZONE MACHINE "FULLY AUTOMATIC":
- (1) 100kVA NATURAL AIR TRANSFORMER
  - (1) HMI-USER FRIENDLY PROGRAMMER, INSTALLED WITH ASME HEAT TREATING & PWHT CYCLES
  - (9) COMMUNICATING PROGRAMMABLE CONTROLS
  - (1) 180MM SIMULTANEOUS DISPLAY 24 PT. RECORDER, CALIBRATED & CERTIFIED
  - (9) HEAVY DUTY 200AMP CONTACTORS
  - (4) HEAVY DUTY 6" CASTORS (2 FIXED, 2 SWIVEL)
  - (1) 18 PT. THERMOCOUPLE JACK PANEL, TYPE K
  - (1) STROBE LIGHT W/ SIREN
  - (1) AC OUTLET
  - (2) 10" FANS
  - (25) FT. PRIMARY POWER CABLE
  - (1) POWDER-COATED CABINET "SAFETY YELLOW"
  - (1) CABLE RACK
  - (1) INSTRUCTION MANUAL



\* Note: This Machine is Capable of Operating (18) 80V Ceramic Pad Heaters Simultaneously when Stress Relieving.

\*Options: Single-Stage Alarm  
Dual-Stage Alarms  
Ethernet  
Ceramic Pad Heater Package



\* Note: This Machine is Capable of Operating (27) 80V Ceramic Pad Heaters Simultaneously when Stress Relieving.

\*Options: Single-Stage Alarm  
Dual-Stage Alarms  
Ethernet  
Ceramic Pad Heater Package





## EQUIPOS DE TRATAMIENTO TÉRMICO

### *PCE-1230*

- 12 ZONE MACHINE "FULLY AUTOMATIC"
- (1) 135 kVA NATURAL AIR TRANSFORMER
- (1) G3 HMI-USER FRIENDLY PROGRAMMER, INSTALLED WITH ASME HEAT TREATING & PWHT RECIPES
- (12) COMMUNICATING PROGRAMMABLE CONTROLS
- (1) 24 PT. CHINO RECORDER 180MM SIMULTANEOUS DISPLAY, Certified
- (12) TRIPLE CABLESETS 50 FT., COLOR CODED & WIRED DIRECT
- (12) 200AMP ALBRIGHT CONTACTORS
- (24) 3-WAY SPLITTERS, COLOR CODED
- (1) POWDER-COATED CABINET "SAFETY YELLOW"
- (4) HEAVY DUTY 6" CASTORS (2 FIXED, 2 SWIVEL)
- (1) 24 PT. THERMOCOUPLE JACK PANEL T/K
- (1) CABLE RACK
- (1) INSTRUCTION MANUAL



*\* Note: This Machine is Capable of Operating (36) 80V Ceramic Pad Heaters Simultaneously when Stress Relieving.*

*\*Options: Single-Stage Alarm  
Dual-Stage Alarms  
Ethernet  
Ceramic Pad Heater Package*

### *PCE-2430*

- 24 ZONE MACHINE "FULLY AUTOMATIC":
- (1) 135kVA 480v / PH DELTA PRIMARY 80 VAC SECONDARY
- (1) G3 HMI-USER FRIENDLY PROGRAMMER, INSTALLED WITH ASME HEAT TREATING RECIPES
- (24) COMMUNICATING PROGRAMMABLE CONTROLS
- (1) 24 PT. CHINO RECORDER 180 MM SIMULTANEOUS DISPLAY, CERTIFIED
- (24) TRIPLE CABLE SETS 50 FT, COLOR CODED & WIRED DIRECT
- (24) 200AMP ALBRIGHT CONTACTORS
- (48) 3-WAY SPLITTERS, COLOR CODED
- (1) POWDER COATED CABINET AND PLATFORM
- (1) 24 PT. THERMOCOUPLE JACK PANEL TYPE K
- (1) CABLE RACK
- (1) INSTRUCTION MANUAL



*\* Note: This Machine is Capable of Operating (72) 80V Ceramic Pad Heaters Simultaneously when Stress Relieving.*

*\*Options: Single-Stage Alarm  
Dual-Stage Alarms  
Ethernet  
Ceramic Pad Heater Package*



## EQUIPOS DE TRATAMIENTO TÉRMICO

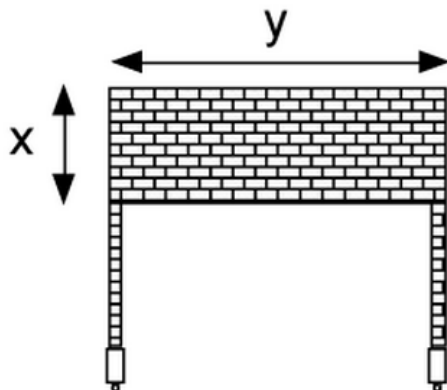
### CALENTADORES CERÁMICOS 80V - 45 Amp - 3.6Kw

Ofrecemos calentadores cerámicos de diferentes dimensiones y formas. Ver cantidades necesarias dependiendo del diametro de la tubería en la tabla siguiente.



Especificaciones:

**80 VOLT CERAMIC PAD HEATERS  
@ 45 AMPS - 3.6 kW**



#### MEDIDAS EN PULGADAS

REF.	'y'	'x'
HE-380	3	39
HE-480	4	29
HE-680	6	19.5
HE-880	8	14.5
HE-1080	10	12.5
HE-1280	12	9.75
HE-1580	15	8
HE-1880	18	6.5
HE-2180	21	5.75
HE-2480	24	5
HE-2980	29	4
HE-3680	36	3.25
HE-S80	1	132



## EQUIPOS DE TRATAMIENTO TÉRMICO

CALENTADORES CERÁMICOS REQUERIDOS DE ACUERDO A LA TUBERÍA				
INFORMACIÓN DE LA TUBERÍA			CALENTADORES REQUERIDOS	
Tubería	O.D. (Pulg)	Perimetro (Pulg)	Calentador único	Multiples calentadores
2"	2.375	7.462	(1) HE-680	
2-1/2"	2.875	9.033	(1) HE-880	
3"	3.50	10.997	(1) HE-1080	
4"	4.50	14.139	(1) HE-1580 o	(2) HE-880
5"	5.563	17.478	(1) HE-1880 o	(1) HE-1080 & (1) HE-880
6"	6.625	20.815	(1) HE-2180 o	(2) HE-1080 o (1) HE-1280 & (1) HE-880
8"	8.625	27.099		(1) HE-1280 & (1) HE-1580 o (2) HE-880 & (1) HE-1080 o (2) HE-1080 & (1) HE-880
10"	10.75	33.776		(3) HE-1080 o (2) HE-1080 & (1) HE-1280
12"	12.75	40.060		(1) HE-1080 & (2) HE-1580 o (2) HE-1280 & (1) HE-1580