



PRO-MELT SERIES ELECTRIC MELTER MODELS WITH CAPACITIES UP TO 1600 Lbs AL

Electric heated, non ferrous melting and holding crucible furnaces feature low energy consumption, combined with high melting rates. Shell temperatures are low contributing to greater worker comfort and improved productivity.

All *Pro-Melt* Furnaces are designed and built using the highest quality materials and workmanship to insure dependable operation and long service life. Dual set-point temperature controls allow programmed selection of operating temperature or energy saving idle temperature on a weekly basis.



STANDARD FEATURES

- Rugged construction structural steel framework and heavy gauge steel panels.
- Low heat loss and easy to operate 'lift-swing' lid increases comfort and efficiency.
- Free radiating, heavy duty, coiled wire, Ferro-Chrome-Al heating elements supported on ceramic refractory rods, provide fast, uniform, heat transfer to the crucible.
- Independently wired heating elements, failure of a single element has no effect on the remaining elements allowing production to continue uninterrupted until a convenient time for repairs to be carried out.
- Power to the elements is regulated using long life electro-mechanical contactors.
- A duplex type 'R' (PtRh-Pt) thermocouple is provided for operation control and over-temperature limit safety shut-down.
- Electrical control components are mounted and wired in a wall hung enclosure. The entire system meets applicable NFPA, NEC and CE directives and is completely wired ready for operation after connection to the required electrical service. An installation and operation manual is supplied.



Optional Features

- Silicon carbide heating elements for melting brass or bronze.
- Bath temperature control utilizes a thermocouple located in the molten bath.
- Cascade control for precise bath temperature regulation.
- SCR power regulation in place of standard electro-mechanical contactors.
- Crucible break detector and alarm.
- Reduced power setting for overnight operation.
- Easy to see furnace status indication light tower.

Specifications

HED Part No.	Model No.	UNIQUE/PERENY		Overall Size W x D x H	PM Series Melter
		Capacity Lbs of Al	Melting rate* Lbs/Hr Al		Electrical Rating kW
50-20-0121-0007	PM-50	50	65	45" x 41" x 30"	16
50-20-0121-0095	PM-100	100	85	48" x 44" x 34"	20
50-20-0121-0088	PM-200	200	120	51" x 46" x 37"	26
50-20-0121-0097	PM-350	350	265	54" x 49" x 40"	50
50-20-0121-0011	PM-550	550	310	58" x 52" x 44"	60
50-20-0121-0012	PM-750	750	440	58" x 52" x 48"	90
50-20-0121-0013	PM-1100	1100	660	64" x 58" x 52"	120
50-20-0121-0098	PM-1600	1600	725	69" x 62" x 56"	150

Specifications are approximate and subject to change without notice.
*Melting rates are based on 60 minutes continuous melting



Removable Heater Panels



Easy to operate 'Lift-Swing' lid



Easy to use Standalone Control System