

Has Proven Performers ...

To Fit Your Needs ...

To Fit Your Budget ...

STANDARD FEATURES



"THERMOS BOTTLE" MULTI-LAYERED LINING

Only Dynarad® furnaces use a *computer optimized, multi-layered lining system* to cut heat losses like a thermos bottle. Old fashioned monolithic refractories have been eliminated to boost furnace efficiency and save energy dollars.

LONG LIFE HEATING ELEMENTS

Dynarad® has produced more than *ten thousand* high temperature, low watt density heating elements since 1983, with *most still in service today!* The durability and performance of Dynarad® heating elements has never been equaled, an enviable record that enables Dynarad® to back its elements with the industry's best warranty.

DAMAGE RESISTANT ELEMENT WIRING SYSTEM

All heating elements in Dynarad® furnaces are *independently wired and fused* instead of series-connected like conventional arrays. If a Dynarad® element sustains damage, all others remain in operation! This common sense design gives Dynarad® furnaces the highest up-time reliability in the industry.

COMPACT

Dynarad® furnaces pack a lot of melting power per pound of capacity and require much less expensive floor space than reverberatory or similar type furnaces.

FLEXIBILITY

Crucibles in Dynarad® furnaces are easily emptied, alloys are quickly changed, and metal temperatures can be rapidly adjusted. The Power Level Selector instantly converts a melter to a superheater to a highly efficient holder and back again.

DYNARAD® FURNACES ARE THE MOST EFFICIENT MELTERS AVAILABLE TODAY!
PROVEN IN MELT TEST AFTER MELT TEST

MS SERIES FURNACES

MS SERIES FURNACES FOR MELTING ALUMINUM

MODEL	MELT RATE*	CAPACITY	WIDTH	HEIGHT
MS-175	175 lbs/hr	325 lbs	43"	41"
MS-260	260 lbs/hr	550 lbs	46"	41"
MS-260W	260 lbs/hr	625 lbs	46"	41"
MS-400	400 lbs/hr	700 lbs	53"	45"
MS-400W	400 lbs/hr	1,000 lbs	53"	45"
MS-500	500 lbs/hr	1,200 lbs	60"	45"
MS-500W	500 lbs/hr	1,700 lbs	60"	45"
MS-600	600 lbs/hr	2,600 lbs	67"	45"

**Rates are based on continuous melting at full power in a clean, hot crucible at 1300°F with cover closed. Ask about melt rates for magnesium, zinc, lead, and aluminum at other tapping temperatures.*



Dynarad® Model MS-600 with pneumatic "Butterfly" lid



Dynarad® Model MT-400 Tilting Furnace

MT SERIES FURNACES

RUGGED MT SERIES TILTING FURNACES

Dynarad's MT Series tilting furnaces feature a rugged support base with splatter guard, heavily reinforced furnace frame with full internal support for distortion free tilting to prevent crucible shifting and cracking, and double acting hydraulic cylinders with integral safety valves to prevent uncontrolled return if hydraulic lines or hoses are damaged. Unique "on-demand" hydraulic power package starts and stops automatically, eliminating endless running and oil overheating.

EASY INTERNAL ACCESS

The crucible and heating elements are easily accessible by removing just the furnace cover. The self supporting elements are installed vertically so side panel access is not required. Thus the furnace can be positioned close to casting equipment or other furnaces or pit mounted without sacrificing internal accessibility.

RELIABLE POWER CONTROL

Because Dynarad's unique heating element design requires no transformers or complicated power supplies, Dynarad's power control panel is compact yet rugged and reliable. It is easily installed and serviced by any plant electrician. The tight, dust-free integrity of the NEMA 12 enclosure is maintained since no fans or vents are needed to cool panel components.



Pneumatic dished head crucible cover can be closed on protruding charge material in this Model EC-950

EC SERIES FURNACES

EC SERIES FURNACES FOR MELTING ALUMINUM

MODEL	MELT RATE*	CAPACITY	WIDTH	HEIGHT
EC-600	250 lbs/hr	600 lbs	46"	42"
EC-700	325 lbs/hr	700 lbs	51"	42"
EC-950	380 lbs/hr	950 lbs	56"	42"
EC-1100	450 lbs/hr	1,100 lbs	63"	42"
EC-1500	475 lbs/hr	1,500 lbs	63"	42"
EC-2400	570 lbs/hr	2,400 lbs	72"	42"

**Rates are based on continuous melting at full power in a clean, hot crucible at 1300°F with cover closed.*



Dynarad® Model EC-700



MS/EC Series Control Panel

TRUE LOAD SHEDDING CAPABILITY

The optional four position Power Level Selector is a *true load shedding* demand control system which positively limits KW demand to the power level chosen. More than a simple current limiter, the Power Level Selector reduces utility demand charges, regardless of the type of demand meter used by the utility, and extends heating element life.