



MELTING FURNACES

+ COPPER ALLOYS

+ ALUMINIUM

+ ZINC

STATIONARY OR TILTING MELTING FURNACES

PYRADIA has developed a wide range of melting furnaces either stationary or tilting that can be used for melting non ferrous metals. All our products are designed according to high quality standards.

HIGH QUALITY PRODUCTS

Our melting furnaces are manufactured with the best materials. Fe Al Cr elements of our aluminium melting furnaces are supported by ceramic tubes for a better heat distribution and a longer lifetime of the element. To melt copper alloys our furnaces are equipped with silicon carbide elements.

The excellent insulation of our furnaces is ensured by seven inches of insulated brick. This high quality insulation allows a better heat and energy distribution, which improves the crucible life expectancy.

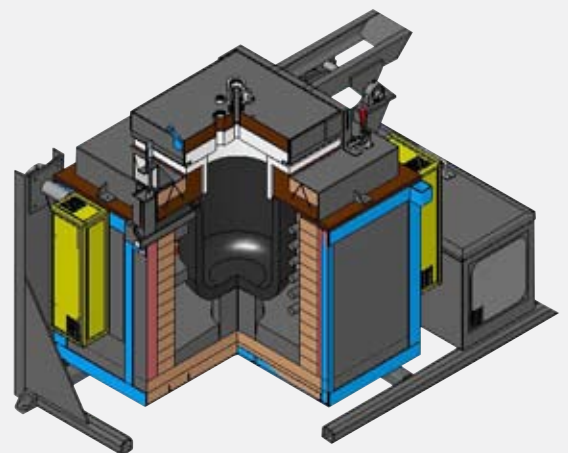
All our furnaces come with a digital indicating controller allowing to reach and maintain a precise temperature. Our electric furnaces are silent and make no combustion fumes.

Our melting furnaces are designed for an intensive and continuous use. They offer very good melting capacity and low operating costs.

EASE OF OPERATION

Whether you choose the stationary or tilting type, our melting furnaces are easy to install. At delivery, the control system is already in place. With no special foundation required, our furnaces are operational in a couple of hours. Furthermore, the crucible can be replaced easily. PYRADIA designs melting furnaces that can simply be integrated to your production.

UTILING TYPE



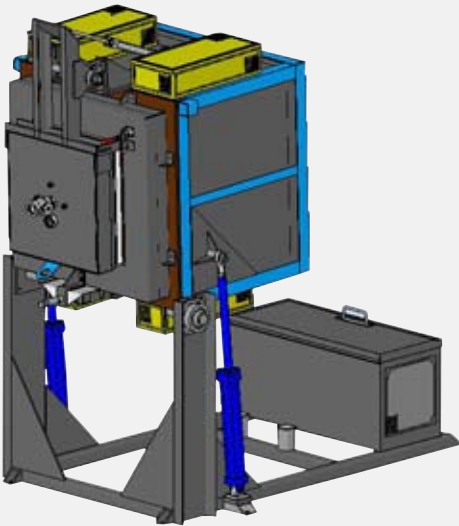


This furnace has a capacity of 2,000 lbs. Isolated with ceramic fiber, it is equipped with silicon carbide heating elements and an optional hydraulic activated cover. See the last page for more information on the FCBC 320 model.

- + Fe Al Cr heating elements for the melting of aluminium (maximum temperature of 2 300°F/1 260°C)
- + Silicon carbide elements for the melting of copper alloys (maximum temperature of 2 550°F/1 400°C)
- + Excellent brick insulation
- + Uniform heating for an extended life of the crucible
- + Digital indicating controller
- + Easy to install
- + Easy to manipulate
- + Easy replacement of the crucible
- + Swing top cover with lateral displacement

FEATURES

STATIONARY TYPE



SPECIFICATIONS

ALUMINIUM & ZINC // STATIONARY MODELS

MODELS	CAPACITY Aluminium (lbs/kgs)	MELTING RATE Aluminium (lbs/kgs/hr)	CAPACITY Zinc (lbs/kgs)	POWER (kw)	OVERALL DIMENSIONS		
					WIDTH (inches/cm)	DEPTH (inches/cm)	HEIGHT (inches/cm)
FCSF 25	150/68	100/45	380/172	26	42/106	42/106	43/109
FCSF 54	330/149	200/90	830/376	40	46/116	56/142	45/114
FCSF 100	600/272	300/136	1 520/689	60	51/129	51/129	53/134
FCSF 130	800/362	400/181	2 020/916	80	51/129	51/129	60/152
FCSF 190	1 150/521	500/226	2 900/1 315	110	55/139	55/139	63/160

ALUMINIUM & ZINC // TILTING MODELS

MODELS	CAPACITY Aluminium (lbs/kgs)	MELTING RATE Aluminium (lbs/kgs/hr)	CAPACITY Zinc (lbs/kgs)	POWER (kw)	OVERALL DIMENSIONS		
					WIDTH (inches/cm)	DEPTH (inches/cm)	HEIGHT (inches/cm)
FCBF 21	130/58	100/45	335/151	26	66/167	78/198	73/185
FCBF 48	295/133	200/90	750/340	40	70/177	82/208	79/200
FCBF 90	550/249	300/136	1 390/630	60	75/190	87/220	92/233
FCBF 120	750/340	400/181	1 900/861	80	75/190	87/220	99/251
FCBF 160	1 000/453	500/226	2 500/1 133	110	79/200	91/231	106/269
FCBF 320*	2 000/907	420/190	N/A	100	98/248	110/279	161/408

COPPER ALLOYS // STATIONARY MODELS

MODELS	CAPACITY Copper (lbs/kgs)	MELTING RATE Aluminium (lbs/kgs/hr)	POWER (kw)	OVERALL DIMENSIONS		
				WIDTH (inches/cm)	DEPTH (inches/cm)	HEIGHT (inches/cm)
FCSC 25	470/213	250/113	36	46/116	58/147	43/109
FCSC 54	1 050/476	400/181	52	50/127	62/157	45/114

COPPER ALLOYS // TILTING MODELS

MODELS	CAPACITY Copper (lbs/kgs)	MELTING RATE Aluminium (lbs/kgs/hr)	POWER (kw)	OVERALL DIMENSIONS		
				WIDTH (inches/cm)	DEPTH (inches/cm)	HEIGHT (inches/cm)
FCSC 21	415/188	250/113	36	70/177	94/238	89/226
FCSC 48	940/426	400/181	52	74/187	98/248	95/241

- + The hourly melting capacity depends on external factors that are independent to the furnace design such as the type of alloys to be melt and how the crucible will be filled up. Therefore, the melting capacities are just approximate.
- + This model is equipped with ceramic fiber insulation and silicon carbide heating elements.
- + PYRADIA improves its products continuously and may change the specifications without notice.



Drop quench oven

PYRADIA also designs and manufactures heat treating furnaces, drop bottom solution ovens, walk-in ovens, cabinet ovens and heavy duty 2300°F furnaces. ISO 9001 • 2000 certification guarantees the quality of our products. For more information on our products and services, do not hesitate to visit our WEB site at www.pyradia.com

GUARANTEE

All PYRADIA drop bottom oven carry a one year guarantee.

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