

## Melting Furnaces



Melting furnace K 4/10



Melting furnace KC 2/15

These compact melting furnaces for the melting of non-ferrous metals and alloys are one of a kind and have a number of technical advantages. Designed as tabletop models, they can be used for many laboratory applications. The practical counter balanced hinge with shock absorbers and the spout (not for KC) on the front of the furnace make exact dosing easy when pouring the melt. The melting furnaces are available for furnace chamber temperatures of 1000, 1300, or 1500 °C. This corresponds to melt temperatures of about 80 °C - 110 °C lower.

- Tmax 1000 °C, 1300 °C, or 1500 °C, with melt temperature about 80 °C - 110 °C lower
- Crucible sizes of 0,75, 1,5 or 3 liters
- Crucible with integrated pouring spout of iso-graphite included with delivery
- Additional spout (not for KC), mounted at the furnace for exact pouring
- Compact bench-top design, simple emptying of crucible by tilting system with gas damper
- Crucible for heating up of melting furnace insulated with a hinged lid, lid opened when pouring
- Defined application within the constraints of the operating instructions
- Controls description see page 72

### Additional equipment

- Other crucible types available, e.g. steel
- Design as bale-out furnace without tilting device, e.g. for lead melting
- Over-temperature limiter for the furnace chamber with automatic reset to protect against overtemperature. The limit controller switches off the heating when the pre-set limit temperature has been reached and does not switch it on again until the temperature falls below the setting again.
- Observation hole for melt



Melting furnace KC 2/15

Model	Tmax °C	Crucible	Volume in l	Outer dimensions <sup>4</sup> in mm			Connected load kW	Electrical connection*	Weight in kg
				W	D	H			
K 1/10	1000	A 6	0.75	520	680	660	3.0	1-phase	85
K 2/10	1000	A10	1.50	520	680	660	3.0	1-phase	90
K 4/10	1000	A25	3.00	570	755	705	3.6	1-phase	110
K 1/13 <sup>2</sup>	1300	A 6	0.75	520	680	660	3.0	1-phase	120
K 2/13 <sup>2</sup>	1300	A10	1.50	520	680	660	3.0	1-phase	125
K 4/13 <sup>2</sup>	1300	A25	3.00	570	755	705	5.5	3-phase <sup>1</sup>	170
KC 1/15 <sup>3</sup>	1500	A6	0.75	580	630	580	10.5	3-phase	170
KC 2/15 <sup>3</sup>	1500	A10	1.50	580	630	580	10.5	3-phase	170

<sup>1</sup>Heating only between two phases

\*Please see page 73 for more information about supply voltage

<sup>2</sup>Outer dimensions of furnace, transformer in separate housing (500 x 570 x 300 mm)

<sup>3</sup>Switchgear and controller mounted in a floor standing cabinet

<sup>4</sup>External dimensions vary when furnace is equipped with additional equipment. Dimensions on request.