

RDC-164 Furnace BF12 with Tar Incinerator

The RDC-164 Furnace BF12 with Tar Incinerator can be used for calcination of green petroleum coke or the baking of green electrode samples.

The RDC-164 Furnace BF12 can be used for the calcinations of green coke as done in vertical shaft kiln operations. The configurable heat-up rate and the motionless calcining conditions provide relevant information on the tendency of high volatiles coke (VCM) to agglomerate during calcination. 8 L of material (~ 6 kg) of coke can be calcined per cycle.

The RDC-164 Furnace BF12 can be used for baking green bench scale electrodes and cores from green anodes production. These operations are important for maintaining superior raw material selection and good quality control of prebaked anodes.

A bench scale procedure is used for such diverse purposes as determining coke quality, binder requirement and sodium sensitivity.

Analysis of cores from production anodes allows the assessment of paste plant parameters while removing any influence of the anode baking by using a well-controlled and reproducible furnace.

The apparatus has a capacity of 10 samples per run, the samples being surrounded by coke packing material.

This compact equipment has an auxiliary furnace that allows to treat the volatile matter during the use as well as a hoist to facilitate the loading and unloading of the material.



Specifications	Function	Calcining
	Max continuous operating temp.	1100 °C
	Coke/test or Anode/test	~ 6 kg / 10 samples
	Process time	~ 50 hours
Configuration	Set up	Floor Standing
	Dimensions	145 x 80 x 200 cm (LxWxH)
	Weight	300-360 kg
Facilities	Electrical connection	400V 3/N/PE, 50/60Hz
	Power	6 kW – 8.50 kW
	Ventilation	Heated fume stack
	Air connection	Min. 4 bar

*Photos and illustrations are not contractual.