

Furnace for Water Content Coke

RDC - 204

Granular

Lab

General Description

Due to the cutting operation when removing the material from the delayed coker drums, green cokes usually show a high water content. This excess water would be removed during the calcination step, which would increase the fuel consumption or reduce the calcination degree of the coke. Depending on the storage and shipment conditions, calcined cokes could also potentially contain some moisture. In addition, from a commercial point of view, the presence of water in the green or calcined coke would mean buying water at a very high price. Last but not least, any moisture must be removed before performing any material analysis.

For this purpose, the water content in granular carbon can be measured and moisture can be removed by using the RDC-204 apparatus. A given quantity of granular carbon sample is weighted and heated in a furnace at a specific temperature for a given period of time. The weight loss is measured and expressed as a percentage of the initial sample weight for the calculation of the water content.



Technical Information

Standard Method	ISO 11412
Property	Water Content [%]
Sample	Max. 5 kg of granular carbon
Process Time	~ 14 hours
Installation	Workbench
Dimensions (LxWxH)	57 x 64 x 82 cm
Weight	55 kg
Electrical Property	230 V 1/N/PE, 50 Hz 3 kW, 13 A
Database Connection	No

Additional Recommended Equipment

Weighing scale with an accuracy of 0.1 g