

RDC-204

Name

FURNACE FOR WATER CONTENT COKE

Material type
**GRANULAR
PITCH
ELECTRODES
LINING**

Utilization
**R&D
IN-PLANT
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.

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

Additional Recommended Equipment:

Weighing scale with an accuracy of 0.1 g

