RDC-155 Dust Fineness Blaine

Coke dust consists of material less than 250 µm and includes the fines mill product along with the filter dust taken from various sections of the anode plant. This fraction contributes more than 90 % of the total aggregate surface area and largely dictates the optimum pitch requirement. In an anode plant, fluctuations in coke dust granulometry cannot be adjusted for by continually changing the binder content as it will lead to incorrectly pitched anodes and poorer performance.

The RDC-155 is an Automated Apparatus used for the determination of the fineness of a 70 g dust sample, including microprocessor with height measurement system. A standard capillary for the calibration of the equipment is included.

*Photos and illustrations are not contractual.

Standards	RDC	RDC-1155
Specifications	Measurement	Blaine Value [Blaine]
	Sample	Coke dust
	Sample / test	1
	Process time	1-5 minutes
Configuration	Set up	Workbench
	PLC	Beckhoff
	Operation System	Windows 10
	Dimensions	50 x 60 x 70 cm (LxWxH)
	Weight	50 kg
Facilities	Electrical connection	230V 1/N/PE, 50/60Hz
	Power	0.50 kW

New Generation Equipment's Features and Advantages:

- **Improved Design** (refined for lab operation optimizing accessibility and adaptability to existing infrastructure)
- **User-friendly Interface** (multi-touch control panel, ultra-compact industrial PC, improved monitoring of the equipment condition, integrated maintenance monitoring)
- **Up-to-date Operating System** (intuitive menus, extended user management, multi-language)
- **Connectivity** (integration into existing plant database, remote printing, export to USB mass storage, wireless network connection)
- **Data History** (analysis and calibration values recorded locally and in the database)