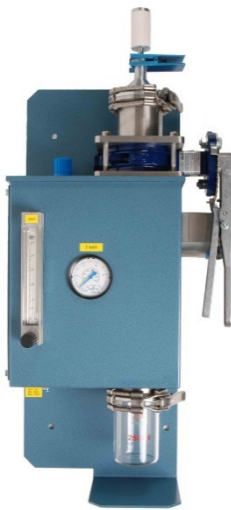


RDC-177: Dust Forming Factor

To optimize the spraying of the dust suppressant agent as well as to quantify the extent of the dust emission during coke handling, a method has been developed where a coke sample of 100g falls into a tube where a given air flow entrains the very fine particles. The percentage of the collected fines in the cylindrical filter is then calculated and this value represents the dustiness of coke. The maximum tolerance value was found to be 0.015 %; typical range for cokes appropriately sprayed lies between 0.004 - 0.1 %

Dust Forming Factor is the test method used to quantify the amount of dust in calcined coke and allows the user to optimize the quantity of oil or tar necessary for limiting dust emissions.



Specifications	Measurement	Dust Forming Factor [%]
	Sample	Coke < 4 mm
	Sample / test	1
	Process time	~ 5 minutes
Configuration	Set up	Fix on a wall
	Dimensions	26 x 36 x 81 cm (LxWxH)
	Weight	30 kg
Facilities	Air supply	300 l/h, min 3 bar, max 7 bar

*Photos and illustrations are not contractual.