

ISO EN 15323

SCOPE

This test method is intended to measure the ageing affect of heat and air on a moving film of semi solid asphaltic material in the environment conditions.

ROTATING CYLINDER AGEING TEST FOR BITUMEN (RCAT METHOD)

- **MODEL NRC 210** -
- **REF 941878** -

MAIN CHARACTERISTICS

- ✓ The standard test conditions adopted are : 500 g of binder, oven heated up to 85 °C, oxygen flow rate of 4.5 L per h, and a rotation speed of 1 rev./min. At predetermined intervals, 25 to 30g of binder is sampled for characterization tests.
- ✓ The control board includes electronic temperature controller with digital display and setting at 85 °C ± 0.1° for RCAT or 163 °C± 0.5 °C for RTFOT, two factory calibrated flow meters for adjusting oxygen flow at 4500 ml/min ± 500 ml for RCAT and 4000 ml/min ± 200 ml air flow for RTFOT. An electronic safety valve prevent from blowing oxygen into the cylinder while operating above 100 °C. The oven has built in horizontal carriage to hold one stainless steel sample cylinder rotating at 1 rpm for RCAT or 5 rpm for RTFOT. It is equipped with air and oxygen jets for blowing into the cylinder. A stainless steel roller is inserted in the sampling cylinder through the front opening to distribute the binder into an even film on the inner wall during rotation.

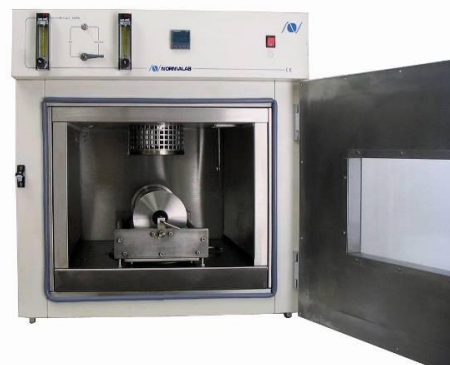
SCOPE OF DELIVERY

NRC 210 delivered ready for use with :

- REF 9417444** On pair of gloves
REF 4887830 Cylinder
REF 4887831 Roll

NECESSARY ACCESSORIES - At choice

- REF 941885** Conical stopper
REF 941886 Straight stopper



Kit of accessories delivered with NRC 210

ORDERING INFORMATION

REF 941878

NRC 210 For use on AC 230 V - 50/60 Hz – 10 A

(W) 250x (D) 300x (H) 600 mm (±19kg)

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