Product name:	Product code:
Rolling Thin Film Oven for Bitumen Ageing	CMI-IND-0027

Description

Rotating carousel oven that simulates short-term ageing of bitumen during mixing and laying by heating thin films in glass bottles at 163 deg C with air jets. Used in refinery and PMB labs.

Technical specification

- 8 glass sample bottles
- Air flow meter
- Bottle cooling rack

Eight bitumen-filled glass bottles rotate in a carousel while heated air blows into each bottle opening for 75 minutes. Mass loss and property change after ageing indicate binder durability. The oven meets specified air flow and temperature uniformity needs.

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Features

- Rotating vertical carousel at 15 rpm
- Heated air jet with calibrated flow meter
- Double wall stainless steel chamber
- Digital controller with timer
- Viewing window for loading

Technical Specifications

Bottle capacity	8 bottles (35 g sample each)
Operating temperature	Up to 200 deg C
Set point	163 deg C +/- 0.5 deg C
Carousel speed	15 +/- 0.2 rpm
Air flow	4000 +/- 200 ml/min
Standards	ASTM D2872, AASHTO T240, IS 1202
Power supply	230 V AC, 50 Hz, 2.5 kW

Standard Accessories