

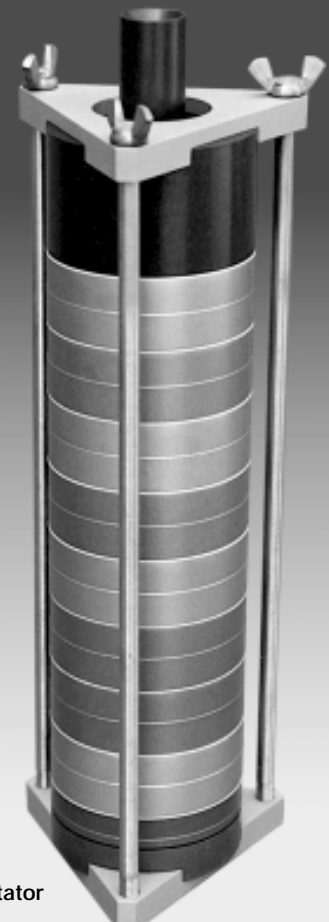


MOUDI™ – MICRO-ORIFICE, UNIFORM-DEPOSIT IMPACTOR Models 100 & 110

30 L/min, precision cascade impactor for collecting size-fractionated aerosol particle samples for gravimetric and chemical analysis

MOUDI™ Provides the Highest Quality Impactor Data

- Size-fractionate over wide size range, 0.056 – 18 μm
- Obtain uniform particle deposits for chemical analyses
- Collect milligram quantities if desired
- Replace collection surfaces in field in minutes
- Interpret data easily via constant geometrical size intervals



Model 100 without rotator



Model 100 with rotator

FEATURES

- 30 L/min sampling flow rate
- Impactor cut-point:
 - 0.18 to 18 μm in 8-stages (Model 100)
 - 0.056 to 18 μm in 10-stages (Model 110)
- Sharp cut-point characteristics
- low internal wall losses

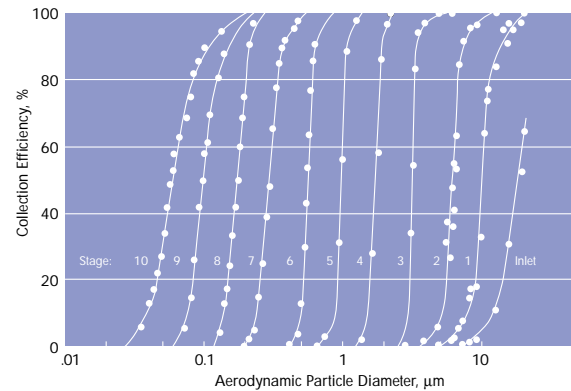
APPLICATIONS

- Aerosol size analysis for air pollution research
- Testing aerosol drug delivery devices
- Diesel blowby size analysis
- Engine emission testing
- Automotive air bag testing
- Industrial hygiene studies
- Work place aerosol analysis

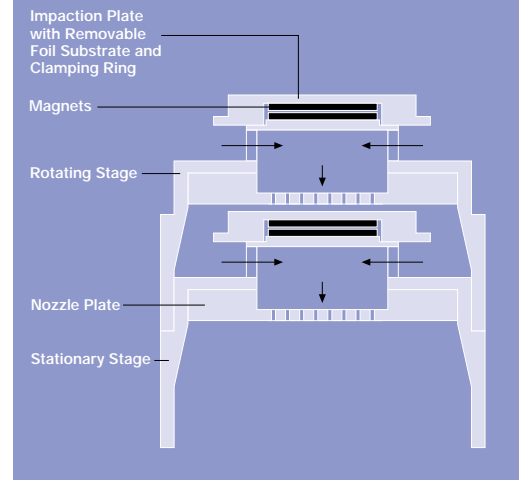
DESCRIPTION

These precision cascade impactors provide high sampling flow rate, sharp cut-point, and low-loss characteristics. In the rotating version, the nozzle plates are rotated relative to the impaction plates (see diagram at right) to obtain near uniform particle deposit on the collecting substrate over the 25 mm impaction area. The aerosol particles are size-fractionated by the MOUDI™ into four equal geometrical increments per decade of particle size, making data interpretation simple and easy.

Impactor cut-point characteristics



MOUDI™ Typical Stage



SPECIFICATIONS

(subject to change with out notice)

	Model 100 with rotator	Model 100 without rotator	Model 110 with rotator	Model 110 without rotator
Impactor stages	8	8	10	10
Flow rate, L/min	30	30	30	30
Cut-point diameter, μm	18, 10, 5.6, 3.2, 1.8, 1.0, 0.56, 0.32, 0.18		18, 10, 5.6, 3.2, 1.8, 1.0, 0.56, 0.32, 0.18, 0.10, 0.056	
Dimensions (DxH)	220 x 500 mm	80 x 360 mm	220 x 560 mm	80 x 420 mm
Weight	11 Kg (24 lb.)	2 Kg (4.4 lb.)	12 Kg (26 lb.)	2.3 Kg (5.1 lb.)
Power	115 VAC, 60Hz, 0.3A	none	115 VAC, 60Hz, 0.3A	none
Optional	230 VAC, 50Hz, 0.2A		230 VAC, 50Hz, 0.2A	

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An applied aerosol/particle technology company offering products and solving problems for the semiconductor, pharmaceutical, and air pollution control industries.

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