

Non-Rotating MOUDI™

Models 100NR, 100S4, 110NR MOUDI™

Non-rotating MOUDI™ are classic, research cascade impactors with sharp cut-sizes and low internal losses. These impactors are used for collecting size-fractionated particle samples in the 0.056 to 10 µm aerodynamic diameter range with a 30 L/min sampling flow rate.

Particle deposits are collected on standard 47 mm substrates which can be analyzed for mass, chemical composition or by microscopy.



100NR shown

Model	Stages	Nominal Cut Points (µm)	Flow Rate (L/min)	Pressure Drop (kPa)
100S4	3	10, 2.5 and 1.0	30	1
100NR	8	10, 5.6, 3.2, 1.8, 1.0, 0.56, 0.32, and 0.18	30	10
110NR	10	10, 5.6, 3.2, 1.8, 1.0, 0.56, 0.32, 0.18, 0.10, and 0.056	30	40

Accessories (Available Separately)

Specify	Description
0100-01-1050	Vacuum Pump, 100/110, 110V
0100-01-1051	Vacuum Pump, 100/110, 220V, EU
0100-01-1052	Vacuum Pump, 100/110, 220V, UK
0100-01-0079	Vacuum Pump, 100S4, 110V
0100-47-AF	Al Foil Substrates, 47 mm, Pkg. 300
0001-01-9953	Glass Fiber Filters, 47 mm, Pkg. 100
0001-01-5024	Quartz Fiber Filters, 47 mm, Pkg. 100
0100-01-0100	Silicone Impactor Surface Spray
0100-96-0558	Silicone Lubricating Grease, 5.3 oz
0110-73-0496	Transformer, 240 to 120VAC

Model 135 Mini-MOUDI™

Mini-MOUDI™ 135 impactors are high-accuracy impactors with a low sampling flow rate and a small physical size. They are available with 6, 8, and 10 impaction stages to provide size-fractionated particle samples.

The Mini-MOUDI™ 135 are used for personal exposure sampling and for unique applications such as characterizing e-cigarette smoke. Particle deposits are collected on 37 mm semicircular substrates.



135-6 with cowl inlet shown

Model	Stages	Nominal Cut Points (µm)	Flow Rate (L/min)	Pressure Drop (kPa)
135-6	6	10, 5.6, 3.2, 1.8, 1.0, and 0.56	2	1
135-8	8	10, 5.6, 3.2, 1.8, 1.0, 0.56, 0.32, and 0.18	2	10
135-10	10	10, 5.6, 3.2, 1.8, 1.0, 0.56, 0.32, 0.18, 0.10, and 0.056	2	40

Accessories (available separately)

Specify	Description
0135-01-0100	Vacuum Pump, 135-10, 110V
0135-01-0101	Vacuum Pump, 135-10, 220V, EU
0135-01-0102	Vacuum Pump, 135-10, 220V, UK
0135-01-0014-AF	Al Foil Substrates, Pkg 300
0135-01-5203	Glass Fiber Filters, 37-mm, Pkg 100
0135-75-5007	Vacuum Pump, 135-6, 135-8, 110V charger
0135-75-5008	Vacuum Pump, 135-6, 135-8, 220V charger
0135-78-0060	Semicircular Substrate Punch