Product Specifications

Thermo Scientific Single Stage N6, Andersen Cascade Impactor

Microbial, viable particle sizing sampler

Key Features

- Developed in collaboration with NIOSH
- Referenced in EPA, OSHA and FDA particle sizing protocols
- Sharp cut point diameter
- High mass collection and verifiable flow rate
- Spring action retainer clamps for easy disassembly and cleaning

The Thermo Scientific Single Stage N6 Andersen Cascade Impactor (ACI) is a microbial, viable particle sizing sampler. This impactor was developed in collaboration with the National Institute for Occupational Safety and Health (NIOSH) for the sampling and assessment of bioaerosols in the workplace.

The N6 Impactor is also referenced in particle sizing protocols set forth by the Environmental Protection Agency (EPA), Occupational Safety and Health Association (OSHA), and the Food and Drug Administration (FDA).

This Single Stage Impactor consists of a single state with 400 precision machined jet orifices. When the air is drawn through the sampler, multiple jets of air direct any airborne particles onto the surface of the collection plate. The N6 Impactor requires an exact flow rate of 28.3 lpm to achieve the well documented sharp cut point diameter of 0.65 microns.

The N6 Impactor is comprised of an aluminum inlet cone, a jet stage and a base plate that is held together by three spring action retainer clamps and sealed with o-ring gaskets. The spring action retainer clamps allow for easy disassembly and cleaning. An optional carrying case is available and will accommodate the impactor and Petri dishes as well as the vacuum pump.

Applications Include:

- Indoor air quality studies
- Pharmaceutical production
- Animal care laboratories
- Wastewater treatment plants
- Cosmetic manufacturing
- Filter & clean room efficiency studies
- Brewery fermentation
- Food processing area
- Hospital environments
- Grain processing and transportation
- Agricultural emissions

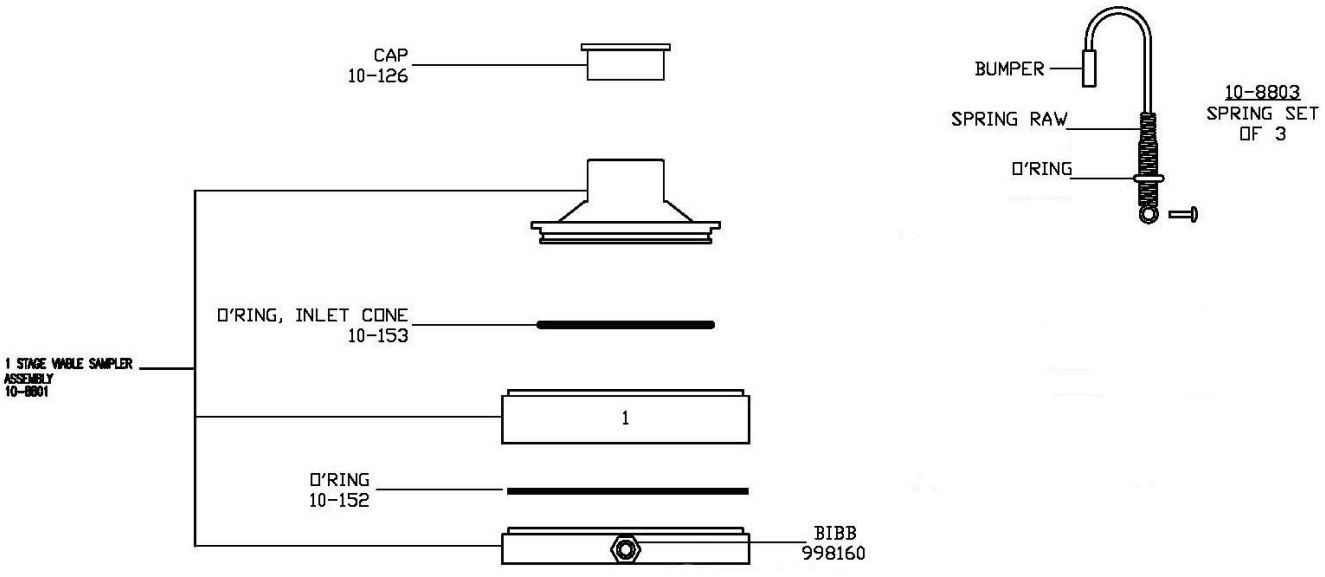
Product Specifications

To maintain optimal product performance, you need immediate access to experts worldwide, as well as priority status when your air quality equipment needs repair or replacement. We offer comprehensive, flexible support solutions for all phases of the product life cycle. Through predictable, fixed-cost pricing, our services help protect the return on investment and total cost of ownership of your Thermo Scientific air quality products.

Single Stage N6, Andersen Cascade Impactor

Flow Rate	28.3lpm
Sharp cut-off diameter	0.65 microns
Physical Dimensions	
Impactor	2.9" (7.4cm) Height x 4.13" (10.5cm) Diameter
Vacuum Pump	9.5" (24.1cm) W x 5.5" (14cm) H x 4.5" (11.4cm) D
Carrying Case	22" (55.9cm) W x 10" (22.4cm) H x 5" (12.7cm) D
Weight	
Impactor	1.25lbs (0.57kg)
Vacuum Pump	8.6lbs (3.9kg)
Carrying Case	8lbs (3.6kg)
Calibration	NIST traceable flow calibration (optional)

Assembly



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