



Dust Sampling Cyclones



Respirable Dust Cyclone (BGI-4 & CAS-4)

Applications

- Personal Industrial Hygiene Sampling
- Powered by AFC-123 Personal Sampler

Features

- Meets the Requirements of NIOSH Method 0600

The BGI-4 and CAS-4 are intended for use with any sampling pump operating at 2.2 liters per minute. At this stipulated flow rate, these cyclones conform to new U.S., U.K. and European respirable dust sampling standards.

Specifications

Cutpoint (D ₅₀):	4 µm at 2.2 liters per minute
Filter Size:	37mm
Construction:	BGI-4L Nickel Plated Aluminum, Anodized Aluminum BGI-4CP Acetal Plastic, Nickel Plated Aluminum CAS-4 Acetal Plastic, Polypropylene



Triplex Cyclone - PM₁, PM_{2.5} & Respirable (SCC1.062)

Applications

- Personal Industrial Hygiene Sampling
- Powered by AFC-123 or AFC-400 Personal Sampler

Features

- Flow Dependant Cutpoint

Developed primarily for the investigation of PM₁, the Triplex Cyclone is also suitable for respirable dust and PM_{2.5} sampling.

Specifications

Cutpoint (D ₅₀):	1.0 µm at 3.5 liters per minute 2.5 µm at 1.5 liters per minute 4.0 µm at 1.05 liters per minute
Filter Size:	37mm
Construction:	Nickel Plated Aluminum



High Flow Respirable - Thoracic Cyclone (GK2.69)

Applications

- Personal Industrial Hygiene Sampling
- Powered by AFC-123RT Personal Sampler

Features

- Flow Dependant Cutpoint

There are instances when the standard respirable dust cyclone flow rate of 2.2 Lpm is inadequate to gather a sufficient sample for analysis. This dual function cyclone serves as a high flow respirable sampler or a normal flow thoracic sampler.

Specifications

Cutpoint (D ₅₀):	Respirable 4.0 µm at 4.2 liters per minute Thoracic 10 µm at 1.6 liters per minute
Filter Size:	37mm
Construction:	Nickel Plated Aluminum