

# Dekati<sup>®</sup> SAC-65 Cyclone

Removal of large particles  
according to EPA 201A

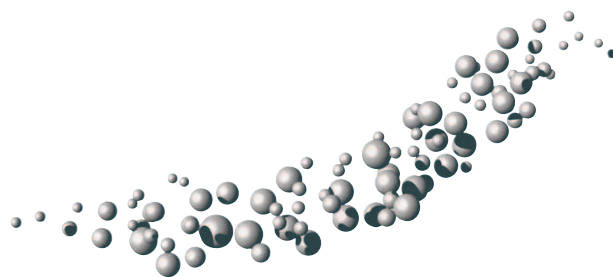
Combustion aerosol  
measurements

Isokinetic sampling



Excellence in Particle Measurements

# Dekati® SAC-65 Cyclone



Dekati® Cyclone is an EPA-standard cyclone for removal of large particles from a sample stream. The cyclone can be used in high temperatures due to its all-stainless steel construction.

Dekati® Cyclone is manufactured according to EPA standard 201A. With standard isokinetic nozzles available as accessories, the Dekati® Cyclone is a highly durable addition to any sampling line where removal of large particles is needed. The cyclone can also be used in an out-stack configuration with heaters, also available from Dekati as accessories.

The Dekati® Cyclone is provided with a calculation sheet which is used to easily calculate the exact cyclone cutpoint in different operating conditions. The calculation is made according to EPA standard 201A.

## Accessories

Using the Cyclone heating jacket the Dekati® Cyclone can be heated up to 200 °C.

230V SH-2223  
110V SH-2211

Temperature controller for the Cyclone heater

230V DR-1623  
110V DR-1611



Dekati® PM10 impactor for measuring PM10, PM2.5 and PM1. PM10 and PM2.5 measurement according to ISO 23210:2009.

## Specifications

Nominal flow rate	10 lpm
Nominal cutpoint D50	10 µm
Inlet	R 3/8"
Outlet	R 1/2"
Operation temperature range	< 600 °C
Weight	1.4 kg
Dimensions	
Height max diameter	127 mm + outlet connector
With inlet nozzle	130 mm
Without inlet nozzle	79 mm
Material	Stainless steel



Sampling probe set for isokinetic sampling (SAC-100).  
Material: stainless steel.

Isokinetic probe diameters mm  
3.45 3.81 4.16 4.57 5.0 5.46  
5.92 6.71 7.62 8.69 9.9

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Dekati Ltd. is specialized in the design and manufacture of innovative fine particle measuring and sampling devices. Since its founding in 1994, Dekati has become the technological market leader in producing fine particle measurement instrumentation for various applications and hundreds of customers. ●