

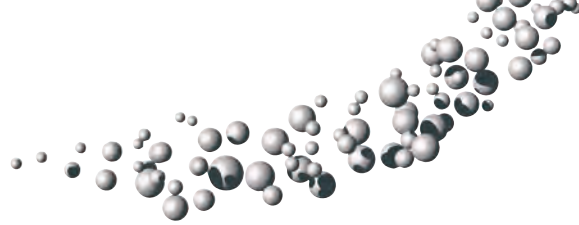
Dekati® Cyclone

- Removal of large particles according to EPA201A
- Combustion aerosol measurements
- Isokinetic sampling



Excellence in Particle Measurements

Dekati® Cyclone



The Dekati® Cyclone is an all stainless steel cyclone that is used for removing large particles from an aerosol sample stream. Typical applications of the Dekati® Cyclone include combustion process research, power plant emission measurements and other applications where large particles need to be removed from the sample. The cyclone can either be placed directly into the flue gas inside the stack or used in an out-stack configuration with a heating jacket around it. Other accessories for the cyclone include different sized inlet nozzles for isokinetic sampling. The Dekati® Cyclone is manufactured according to EPA standard 201A and provided with a calculation sheet to calculate the cyclone cut-point in different operating conditions.

Features

- Pre-separator cyclone with 10 µm cut point at 10 lpm
- Manufactured according to EPA 201A
- Isokinetic nozzles available in 11 different sizes
- Possibility of analysing collected particles
- All stainless steel construction allows use up to 600 °C
- Accessories available for both in-stack and out-stack sampling
- Provided with a calculation sheet used to easily calculate the cyclone cut-point in different operating conditions according to the EPA standard 201A

Accessories

- Dekati® Cyclone heater for heating the Cyclone up to 200 °C
- Temperature controller for the Dekati® Cyclone heater

- Dekati® PM10 Impactor for measuring PM10, PM2.5 and PM1.0. PM10 and PM2.5 measurement according to ISO23210:2009



Specifications

| | |
|-----------------------------|---------------------------------|
| Nominal flow rate | 10 lpm |
| Nominal D50 cutpoint | 10 µm |
| Operating temperature range | < 600 °C |
| Inlet | R 3/8" female |
| Outlet | R 1/2" female |
| Weight | 1.4 kg |
| Height | 127 mm without outlet connector |
| Width with inlet nozzle | Max 130 mm |
| Width without inlet nozzle | 79 mm |
| Material | Stainless steel |



- Stainless steel sampling nozzle set for isokinetic sampling. Isokinetic nozzle diameters (mm): 3.45, 3.81, 4.16, 4.57, 5.0, 5.46, 5.92, 6.71, 7.62, 8.69, 9.9



- Heated sampling probe for high temperature measurements, max sample temperature 600 °C



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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 thousands of customers. ●