Dekati® Cyclone

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

DEKATI

Excellence in Particle Measurements

Dekati® Cyclone

The **Dekati® Cyclone** is an all stainless-steel cyclone that is used as a part of a sampling system for removing large particles from an aerosol sample stream before the sample enters the measurement instrument. 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.

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. The Dekati® Cyclone is available with accessories for in-stack & out-stack measurements, and with inlet nozzles for isokinetic sampling.

Accessories

- 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
- Accessories for in-stack and out-stack sampling
- Dekati® Cyclone heater and temperature controller for heating the Cyclone up to 200 °C

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

Related products

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

Applications

- Removal of large particles according to EPA201A
- Removal of large particles in combustion aerosol sampling setups
- Suitable for use in both in-stack and out-stack configuration
- Removal of large particles in engine exhaust sampling setups

Features

- Pre-separator cyclone with 10 µm cut point at 10 lpm
- Manufactured according to EPA 201A
- All stainless-steel construction allows use up to 600 °C
- Possibility of analyzing collected particles
- Provided with a calculation sheet used to easily calculate the cyclone cut-point in different operating conditions according to the EPA standard 201A

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

For more information, please contact: sales@dekati.fi

Dekati Ltd. is a world leader in designing and manufacturing innovative fine particle measurement solutions. We have over 25 years of experience in providing measurement instruments and complete measurement solutions to a wide variety of environments and sample conditions. All Dekati® Products are developed and manufactured in Finland and are available with up to five-year warranty.

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