

Atmospheric Microplastic Collector

Innovation nilu's Atmospheric Microplastic Collector collects representative samples of dry and wet atmospheric particulate fallout for subsequent analysis. The collector is made from stainless steel to avoid contamination from the sampler.

Design and reference

The design and development of the Innovation nilu collectors are based on an evaluation of similar equipment in use in various countries. In addition to the given performance criteria, factors such as construction materials, ease of handling and

transportability determined the shape and dimensions of the collector. The Atmospheric Microplastic Collector is based on the design of Innovation nilu's Particulate Fallout Collector which has been considered by ISO (International Standardization Organization) for adoption as an international reference collector for particulate fallout.

Application

The mounting stand allows collectors to have the same position relative to the bird ring. The stand is adjustable in height so that the collectors can always be adjusted to the prescribed height above ground (for instance when the snow depth varies), and to facilitate the changing of collectors.



The stainless-steel collector is designed to minimize contamination of the sample and when preparing the sampler for field measurements are heated to more than 400° C to make sure the sampler is clean. The Atmospheric Microplastic Collector can be used in parallel with a precipitation sampler if the amount of precipitation is important.

Specifications

- The material used for the collector is stainless steel.
- The mounting stand is made of stainless steel.
- Diameter of collecting surface: 200 mm
- (ISO standard)
- Collector height (fallout collector): 400 mm (ISO standard)
- Height above ground, adjustable: 1.7 m to 2.6 m (include ISO standard)

P.no. 9735, Atmospheric Microplastic Collector Complete consisting of:

P.no. 9734, Atmospheric Microplastic Collector with lid

P.no. 9730, Basket

P.no. 9729, Telescope

P.no. 9728, Ground Spike

P.no. 9734, Atmospheric Microplastic Collector with lid.

