

The NILU Particulate Fallout Collector / Precipitation Collector

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The design and development of the NILU collectors are based on an evaluation of similar equipment in use in various countries, including available wet precipitation collectors for meteorological purposes. In addition to the given performance criteria, factors such as construction materials, ease of handling and transportability determined the shape and dimensions of the collectors. The Fallout Collector has been considered by ISO (International Standardization Organization) for adoption as an international reference collector for particulate fallout. Its design is according to the recommendations of ISO as the present use of materials and procedures permit (ISO/DIS 4222.2).

The mounting stand can be used for both collector types. Its design allows both 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 Precipitation Collector is not designed to be used in freezing conditions. During freezing conditions, when the evaporation losses are low, the Fallout Collector can be used as precipitation collector as well. In addition the sampling capacity is greater.



Specifications:

- The material used for the collectors is high density polyethylene.
- 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. 9711, SF1, Particulate Fallout Collector

Complete consists of:

- 1 pc p.no. 9721, Fallout Collector
- 1 pc p.no. 9723, Lid
- 1 pc p.no. 9720, Foil Cap
- 1 pc p.no. 9724, Steel ring
- 1 pc p.no. 9729, Telescope
- 1 pc p.no. 9730, Basket
- 1 pc p.no. 9728, Ground Spike

P.no. 9712, Particulate Fallout Collector with lid, foil cap and steel ring.



The Particulate Fallout Collector

P.no. 9713, RS1, Precipitation Collector

Complete consists of:

- 1 pc p.no. 9722, Precipitation Collector
- 1 pc p.no. 9723, Lid
- 1 pc p.no. 9724, Steel ring
- 2 pc p.no. 9725, 2.5 litre bottle
- 2 pc p.no. 9726, Screw cap
- 1 pc p.no. 9732, Bugsieve
- 1 pc p.no. 9727, Funnel - Bottle Adapter
- 1 pc p.no. 9731, O-ring
- 1 pc p.no. 9729, Telescope
- 1 pc p.no. 9730, Basket
- 1 pc p.no. 9728, Ground Spike

P.no. 9714, Precipitation collector with lid, steel ring and one 2.5 litre bottle.

For mounting on rocky surfaces, expansion bolts instead of ground spikes can be ordered.

Please observe:

Both the collectors p.no. 9721 and 9722 are delivered with p.no. 9724, Steel ring.



The Precipitation Collector