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Filter Disk >

Sample Collection
Inlet >



Personal Beryllium Air Sampler

Model – MINI-AIR-Be

The **MINI-AIR-Be** is sensitive and versatile. Although designed as an industrial workplace and nuclear breathing air measurement system, it may also be used to monitor fume hoods and stack effluent.

Features

- Real-Time Air Flow Meter
- Sample Collection of Beryllium Particulates
- Flow Rate 3 LPM
- Rechargeable Batteries with 230 Vac Charger
- Integrated Exposure
- Can Draw Air From Room or Breathing Zone
- Quick Change Be Filter Disk
- Data Archive and Retrieval
- USB Data Port
- **Optional:** Belt Clip
- **IP65**

Application

The **MINI-AIR Be** air monitor assures safety against airborne Beryllium contamination by means of constant Beryllium collection. It provides integrated exposure Be sample.

Description

The **MINI-AIR-Be** uses Beryllium trapping glass fiber filter disks (47mm and 140 mm diameter) in TA's unique quick change no leak filter holder.

- » Air is drawn by a 3 lpm Be pump through the filter and exhausted to the room or through an optional hose. An Inlet hose may be attached to allow monitoring of hoods, glove boxes, stacks, etc.
- » Power is controlled by an **on / off** rocker switch.
- » The unit is completely self-contained and portable.
- » No-Leak Filter holders for 47 mm and 14 mm filters.
- » Complete with Be-fil-47 and Be-fil-140 (40) filter disks and filter holders of each size.
- » Data Storage includes: Last low flow rate, elapsed clock time, accumulated volume is saved into memory until cleared for next sampling.



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Personal Beryllium Air Sampler

Model – MINI-AIR-Be

Specifications

Air Flow Pump:	Miniature 3 Liter/min Pump and Filter holder
Flow Range:	0.8-5 LPM (800-5000 cc/min) with Universal Low Flow Holder
Flow Accuracy:	±5% of compensation range
Compensation Range:	800-5000 cc/min (10" to 15" Water Back Pressure)
Power:	Rechargeable Batteries with Charger
Air Flow Meter:	Displays flow rate 3.0 LPM
Filters:	47mm and 140 mm diameter filter disks (Befil-47 and Be-fil-140) Includes 40 filter disks of each size
Inlet Sniffer Hose:	3 Feet (Standard)
Optional Exhaust Hose:	3 Feet (Standard)
Case:	Air Pump and Filter and Filter Disk Holder housed in polished blue aluminum

Weight and Dimensions:

Air Sampler Dimensions:	2.25" Dia x 12.5" L 4.5" W x 4" H x 2" D. (11.4 cm x 10.2 cm x 5 cm) (Nominal)
Nominal Weight:	1 lbs.

Easy Use Filter Change Procedure

Flow rate has been preset (user can change those if desired).

1. Download data prior to replacing disk.
2. Remove filter disk with tweezers and place in sealed sample envelope.
3. Give filter disks to chemical lab for analysis.
4. Filter must be clean at start of each new air sample.
5. Put in clean filter disk.
6. Clip it to your belt (If using a belt clip).
7. Turn on Pump.

Options

- Other filter sizes per spec
- Shrouded probe inlet
- Exhaust hose 3' standard



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