

# RESPIRABLE DUST SAMPLER VBI-141



Respirable Dust Sampler RDS-141 is latest Dust sampler for monitoring of Respirable Dust (PM10) using the sharp cut-off cyclone and collected on the glass Microfibre filter paper. It can also be used for simultaneously monitoring of gaseous pollutants like SO<sub>2</sub>, NO<sub>x</sub> etc. using the Gaseous attachment. Total Suspended Particulate matter can also be analyzed using the Dust collected in Dust-Cup. Our offered product is precision-designed, in order to meet up the international standard. It can be useful for cement plants, food processing industry, construction sites and mining sites. This product is obtainable in technical specifications as per the wide-ranging desires of our precious clients. Our offered Respirable Dust Sampler is rigorously tested on diverse parameters to guarantee its superior performance.

## Silent Features

- ✓ **Rugged Design, Long operational life with smooth functioning.**
- ✓ **Low Power Consumption.**
- ✓ **Particle Collection :** The sampler serves as particle collector that collects the particles less than 10 microns on filter paper and bigger than 10 microns in a sampling cup with the help of a cyclone separator.
- ✓ **Blower Motor :** The sampler features brushless and high speed blower.
- ✓ **Programmable Timer & Relay :** The sampler possess programmable relay that helps in setting ON time and protects the motor in case of high or low voltage conditions.

## VBI 141 Technical Specifications

- **Flow Rate:** 0.9 – 1.4 m<sup>3</sup> /min free flow
- **Particle Size:** Particles of 10 microns & below collected on Filter Paper holder. PM bigger than 10 microns collected in a separate sampling bottle under the cyclone.
- **Sampling Time:** 28 hours (maximum)
- **Sampling Time Record:** 0 to 9999.99 hrs on Time Totalizer
- **Power Supply:** Single Phase 220V, 50 Hz AC power supply.
- **Dimensions:** 430 x 320 x 930mm, 45 Kg
- **Automatic Sampling:** 24hrs programmable Timer for Automatic Sampling Interval.
- **Warranty:** One Year Manufacturer Warranty.

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