



Respirable Dust Sampler

Model: NPM – HVS/R



Key Features

- ♣ Modular design for easy portability
- ♣ Sturdy aluminum construction.
- ♣ FRP filter holder
- ♣ Fine Flow Control for Sampling of Particulate

Optional

- ♣ External Brush less Blower



This advanced unit is designed as per specifications recommended by the Central Board for Prevention & Control of Water Pollution, New Delhi. Emission regulations (December 1985) Part III, Also recommended by Central & State Pollution Control Boards. It meets with EPA Regulations as well.

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Technical Specifications

Description

Netel's model NPM-HVS/R is designed to measure Respirable suspended particulate matter in ambient air. It is used for collection of PM10 suspended particulate matter up to small as 0.1 micron size. It also has provision to collect samples of gaseous pollutants such as SO₂, NO_x, H₂S, F₂, CL₂, etc. in impinger tubes for further analysis to determine their individual concentrations.

The High Volume Sampler consists of control module, housing all the functional parts required for sampling. An optional stand can be attached to raise the height of the control module to 1.5 meters to meet the Pollution Control Boards specification.

Model NPM- HVS is housed in a sturdy aluminum cabinet and consists of a blower, filter holder assembly, voltage stabilizer, time totalizer, timer, flow controller, flow measurement device, needle valves, flow meter and set 4 impingers.

Filter Holder Plate	: SS 304 with rubber gasket
Filter paper size	: Overall 25 x 20cms
Heavy duty blower	: 1.5 m ³ /min (without resistance)
Blower Duty Cycle	: Continuous
Voltage Stabilizer	: Input 145-275 VAC output 205-250 VAC
Flow Controller	: Solid state, continuously variable
Time totalizer	: 0-999999 min.
Flow measurement	: Glass U-tube manometer with calibration curve
Particulate sampling	: 10 micron down to 0.1 micron (depending upon type of filter used)
Gaseous Sampling	
Impinger tubes	: 4 nos. 35ml capacity
Needle Valves	: 4 nos. for fine control
Rotameter	: Acrylic 3 lpm capacity
Impinger box	: Insulated ice box for cooling with drain
Dimensions	
Control Module	: 85 x 46.5 x30 cms (Hx Wx D)
Stand (optional)	: Folding tripod 83(H) cms

The company's policy is one of continuous development of its products, Therefore the right reserved to supply products, which may be modified from those illustrated and described in this literature.



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