

# HD-29A

*The Industry Standard "Goose Neck"  
For Breathing-Zone Air Sampling*

## Features:

- Constant airflow maintained with a  $\Delta p$  across the filter of up to 17" of mercury (flow rate dependent).
- Telescoping sampling gooseneck permits easy adjustment to breathing zone levels.
- Elapsed time meter and constant air flow rate permits calculation of accurate sample volume.
- Unit mounted on wheels for easy movement.
- Mounted air flow indicator.
- All units individually calibrated and traceable to NIST.

The Model HD-29A is a mobile "K-Flow" lightweight, constant flow air sampler designed for use in facilities where the collection of precise air samples is required on a continuous or semi-continuous basis. Its vacuum pump and constant air flow regulator combination permits the collection of an air particulate sample at a constant flow rate until the  $\Delta P$  across the filter paper exceeds the capability of the pump at that flow rate.



The controlled flow rate is observed on the handle-mounted rotometer and is adjustable from 0.5 to 3.5 CFM. The Model HD-29A can be used with various diameter filters and charcoal cartridges used for the collection of airborne contaminants. An internal air filtering system has been installed between the regulator valve and the pump to prevent particulates from reaching the self-adjusting carbon vanes and causing excess wear.

A re-settable elapsed time meter is provided on the instrument panel. By setting this timer to zero at the start of each sample period, an accurate sample volume may be readily calculated.

## Specifications:

- Air Flow Rate: Adjustable from 0.5 to 3.5 CFM (15 to 100 LPM)
- Dimensions/Weight: 14" Long x 11" Wide x 4-7" High (36.6 cm x 27.9 cm x 1.2-2.1m) 56 lbs (25.4kg)
- Power Requirement/Cable: 115V, 60Hz, 4.6 Amps, 230V 50Hz 2.3 Amps, three wire cord' six feet; 10 Amp rating. British and European models available.
- Air Flow Indicator: Venturi mounted rotometer.
- Air Mover/Motor: Self-adjusting carbon vane type. Pump is designed for continuous operation at 26" Hg vacuum. 1/4" horsepower; thermal overload protection.
- Vacuum Gages: 0-30" Hg for reading filter  $\Delta P$ , 0-30" Hg for reading pump head.
- Input Connection: 3/8" Female Quick Disconnect .
- Wheels: Steel axle with 8" Rubber Tires .
- Re-settable Elapsed Time Meter: 9999 9 hours and 59 minutes, pushbutton re-settable



### Sample Holders Available

Model No.	Description
2500-04	2" diameter filter, open face
2500-42	47 mm diameter filter, open face
2500-21	2" diameter filter/RADēCO cartridge, open face
2500-46	47 mm diameter filter/RADēCO cartridge, open face
2500-45	2" diameter filter/RADēCO cartridge
2500-44	47 mm diameter filter/RADēCO cartridge, in-line

