

## MRV SERIES

MOBILE CART CONTINUOUS DUTY  
CONSTANT FLOW AIR SAMPLING SYSTEMS

This Portable, Maintenance-Free, Variable Speed, High Volume, Brushless Blower Air Sampling System is ideal for continuous or intermittent sampling.

This "Golf Cart" type unit can be used for the assay of both particulates and gaseous radioiodine. Its telescoping "Goose Neck" allows for industry standard breathing zone air sampling. There is a 3/8" female Quick Disconnect fitting at the sampling inlet which accepts all "RV" series filter holders.

Two vacuum gauges for measuring pressure differential across the filter media are conveniently mounted in a control box on the units handle along with a power toggle switch, fuse protection, and a resettable electronic elapsed timer.

HI-Q's MCV-260 maintains a constant flow of  $\pm 5\%$  of the operator pre-set flow rate (up to the maximum capacity of the pump). The flow rate can be viewed by incorporating one of HI-Q's optional "V-FLO-XX" venturi flow measurement units.

## FEATURES

- Telescoping "Goose Neck" for Breathing-Zone Air Sampling
- Automatic Flow Control Valve
- Electronic, Resettable, Elapsed Timer
- Continuous Duty, Rotary Vane Vacuum Pump
- Dual Vacuum Gauges for measuring DP across filter media
- Sturdy Cast Aluminum Base Plate
- Flow Ranges of 0 - 7.0 CFM

## ACCESSORIES

**PLEASE NOTE:** Various sizes of filter paper and cartridge holders are available, as well as kinetic impactor heads, hoses, tripods and calibrators.



## SPECIFICATIONS

<b>Air Mover</b>	Oil-less Rotary vane Vacuum pump with $\frac{1}{4}$ , $\frac{1}{3}$ or $\frac{3}{4}$ HP 15 or 230 V AC Shock mounted motor
<b>Control Valve</b>	(MCV-260) Mechanical, heavy duty, automatic flow control valve. This valve controls the air flow rate to $\pm 5\%$ of the operator set flow rate
<b>Timer</b>	Electronic, elapsed, resettable timer in hours and tenths of hours
<b>Optional Flow Meter</b>	Add "HMF" to model number for hard mounted flowmeter option

## MODELS

Model No.	Net Ship Weight (lbs)	Power V AC	Motor (HP)	RPM 50/60 Hz	Max Vac.	Max. CFM (open air)	Hard Mounted Flowmeter (HMF)
<b>MRV-0523CV</b>	68 lbs 2 boxes	115/230	1/4	1425/ 1725	26" Hg	4.0 CFM	No
<b>MRV-0523CV-HMF</b>	68 lbs 2 boxes	230	1/4	1425/ 1725	26" Hg	4.0 CFM	Yes
<b>MRV-1023CV</b>	89 lbs 2 boxes	115/230	3/4	1425/ 1725	26" Hg	7.0 CFM	No
<b>MRV-1023CV-HMF</b>	89 lbs 2 boxes	115/230	3/4	1425/ 1725	26" Hg	7.0 CFM	Yes



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