

New
Digital
Display
Option



CMP-SERIES

Cabinet Mounted, Continuous Duty,
Constant Flow Air Sampling Systems

- Adjustable, Heavy Duty, Automatic Flow Control Valve
- N.I.S.T. Traceable, Instantaneous Flow Reading
- Continuous Duty Rotary Vane Vacuum Pump
- Portable, Bench-Type, Fan Cooled, Weather Resistant Cabinet
- Elapsed, Resettable, Electronic Timer
- Dual Vacuum Gauges for Evaluating Sample/Pump Performance
- Custom Flow Ranges & Pump Packages Available

HI-Q's CMP-Series air sampling systems allow for continuous duty/constant flow rate air samples at operator pre-set flow rates. These continuous duty, constant flow, self contained sampling systems are commonly used as the primary air mover for gas/particulate collection and/or real time air monitoring. Two face mounted vacuum gauges allow the user to observe pump performance and filter loading. An internal filtration system hinders premature carbon vane wear and flow meter clogging. The Cabinet Mounted Pump System has two side mounted handles to simplify transporting the unit to specific sampling locations.

Ordering Information

CMP-0523CV

Adjustable Flow Range: **0.5 - 4.0 CFM**. Motor: 1/4 hp, 115 VAC, 50/60Hz., 5.5 Amp. Unit Weight: 45.5 lbs. Shipping Dim's: 50 lbs. 1 box, 26" x 15.5" x 14".

CMP-1023CV

Adjustable Flow Range: **0.5 - 6.5 CFM**. Motor: 3/4 hp, 115 VAC, 50/60Hz., 11.5 Amp. Unit Weight: 64.5 lbs. Shipping Dim's: 69 lbs. 1 box, 25" x 15.5" x 14".

CMP-0523CV/230

Same description as above except with a 1/4 hp, 230 volt 60HZ motor, 3.0 Amp draw.

CMP-1023CV/230

Same description as above except with a 3/4 hp, 230 volt 50/60HZ motor, 6.0 Amp draw.

Customizing Options:

CMP-EXHSTRTVL

This hard mounted exhaust retrieval kit is built into the CMP cabinet to allow the user to route exhaust gases back out of the cabinet through a face mounted and labeled 3/8" male quick disconnect coupling.

Digital Display Options:

CMP-DIGITAL-4.0

The CMP-DIGITAL-4.0 air sampling system is the digital equivalent to HI-Q's CMP-0523CV. An operator is able to toggle through the panel mounted LED to display instantaneous Flow Rate, instantaneous Total Volume of air sampled, and Minimum & Maximum flow over the sample period. The smart LED also allows for communication & alarm cards for further electronic customization of the sampler.

CMP-DIGITAL-6.5

The CMP-DIGITAL-6.5 air sampling system is the digital equivalent to HI-Q's CMP-1023CV. An operator is able to toggle through the panel mounted LED to display instantaneous Flow Rate, instantaneous Total Volume of air sampled, and Minimum & Maximum flow over the sample period. The smart LED also allows for communication & alarm cards for further electronic customization of the sampler.

Motor/Pump:	Shock Mounted Oilless, Rotary Vane, Vacuum Pump with 1/4 or 3/4 HP and 115 or 230 Volt AC motor.
Control Valve:	Mechanical, Heavy Duty, Automatic Flow Control Valve. This valve controls the air flow rate to $\pm 5\%$ of the operator set flow rate.
(MCV-260)	
Housing:	24" W x 12 1/2" D x 11" H, aluminum cabinet painted with two component, chemically resistant, polyurethane paint. Rubber support feet.
Elapsed Timer:	Electronic, Resettable Hours & Tenths of Hours, LCD read out, 5 year internal battery.
Filter Holders:	See Filter Holders For Air Sampling, "RV-Series"
Filter Cartridges:	See Analytical Cartridges
Filter Paper:	See Filter Paper For Air Sampling
Air Flow Calibrator:	See Air Flow Calibrators
Replacement Motors/Kits:	See "Replacement Rotary Vane Vacuum Pumps & Service Kits" in the Air Sampling Accessories section of this catalog.