



## VS23-SERIES

### Continuous Duty, Constant Flow Air Sampling Systems

- Automatic Flow Control Valve
- Continuous Duty/Constant Flow
- Longer Vane Life
- "Lubricated for Life" Bearings
- N.I.S.T. Traceable Flow Meter
- Flow Ranges of 0.1 - 9.0 CFM
- NRTL listed with TUV Rheinland\*



VS23-1023CV-EETXX  
(3/4 HP w/ optional elapsed timer)

The VS-Series Air Sampling Systems can be either incorporated as the primary vacuum source in air monitoring instrumentation or used in conjunction with filter holders and filter media for the collection of particulate and/or gaseous constituents. The systems are furnished complete with a shock mounted base motor/pump, carrying handle, heavy duty constant air flow control valve (MCV-260), venturi flow meter, exhaust muffler, hard mounted toggle



VS23-0523CV (1/4 HP)

switch, 8 foot 14/3 grounded power cord, fuse holder, fuse and a 3/8" female quick disconnect for easy filter holder and sample line replacement. All rotary vane motor/pumps have automatic overload cut off and are warranted for one year after purchase.



All 1/4 and 3/4 HP units include hard mounted toggle switch, 8 foot 14/3 grounded power cord, fuse holder and fuse.

### VS-Series Air Sampler Options & Spare Parts:

#### VS-TMM-11

Elapsed, Electronic, Resettable Hour Timer with Motor Mounting Bracket. 6-Digit, Hours & Tenths of Hours Display. Includes timer, toggle switch, 8 foot 14/3 grounded power cord, fuse holder and fuse.

#### VS-TMM-13

Elapsed, Electronic, Resettable Minute Timer with Motor Mounting Bracket. 6-Digit, Minutes & Tenths of Minutes Display. Includes timer, toggle switch, 8 foot 14/3 grounded power cord, fuse holder and fuse.

#### EET11-VAC-SWITCH

115 VAC Vacuum Activated Elapsed, Resettable Electronic Timer in Hours & Tenths of Hours with Mounting Bracket & 3/8" MNPT inlet/outlet.

#### VS-VACUUM-GAUGE

Hard Mounted 0"-30" Hg Vacuum Gauge.

#### VS-ON/OFF-SWITCH

In-Line ON/OFF Power Switch with fuse protection

#### EET10

Hours & Minutes

#### EET11

Hours & Tenths of Hours

#### EET13

Minutes & Tenths of Minutes

### Ordering Information

Model Number (Order)	Net Wt. Lbs.	Power (VAC)	Motor (HP)	Max. Vac.	Max LPM (open air)	Max CFM (open air)	On/Off Switch w/ Fuse	Elapsed Timer	NRTL* Listed
VS23-0523CV	35 lbs.	115/230	1/4 HP	26" Hg	127 LPM	4.5 CFM	Yes	No	Yes
VS23-0523CV-EETXX	35 lbs.	115/230	1/4 HP	26" Hg	127 LPM	4.5 CFM	Yes	Yes	Yes
VS23-1023CV	55 lbs.	115/230	3/4 HP	26" Hg	255 LPM	9.0 CFM	Yes	No	Yes
VS23-1023CV-EETXX	55 lbs.	115/230	3/4 HP	26" Hg	255 LPM	4.5 CFM	Yes	Yes	Yes

\* TUV Rheinland listed per NRTL standards IEC 61010-1:2001, UL 61010-1, CSA C22.1 No 1010-1, EN61010

<b>Air Mover:</b>	Oilless, Rotary Vane, Vacuum Pump with 1/4, or 3/4 HP, 115 or 230 VAC, Shock Mounted Motor.
<b>Control Valve: (MCV-260)</b>	Mechanical, Heavy Duty, Automatic Flow Control Valve. This valve controls the air flow rate to $\pm 5\%$ of the operator set flow rate.
<b>Control Valve: (MCV-22)</b>	Mechanical, Heavy Duty, Differential Type Automatic Flow Controller. Maintains operator pre-set flow rate within 5%.
<b>Timer Option:</b>	Replace "XX" with: 11 for Hrs & Tenths of Hrs / 13 for Min. & Tenths of Min. / 10 for Hrs & Min.
<b>Filter Holders:</b>	See Filter Holders For Air Sampling, "RV-Series"
<b>Filter Cartridges:</b>	See Analytical Cartridges
<b>Filter Paper:</b>	See Filter Paper For Air Sampling
<b>Air Flow Calibrator:</b>	See Air Flow Calibrators
<b>Replacement Pumps/Kits:</b>	See Replacement Rotary Vane Vacuum Pumps & Service Kits in the "Air Sampling Accessories" section of this catalog.