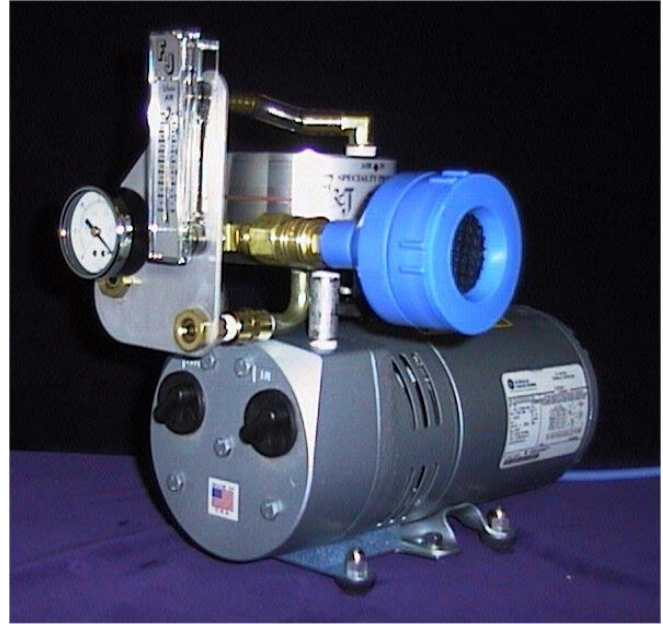


F&J SPECIALTY PRODUCTS, INC.
The Nucleus of Quality Air Monitoring Programs

LOW VOLUME AIR SAMPLER F&J MODEL LV-1

NOTABLE FEATURES:

- Constant air flow regulator adjustable by user
- Chassis mounted ON-OFF switch with fuse protection
- Durable oil-less carbon vane pump designed for continuous use
- Internal intake and exhaust mufflers
- Rotometer and Vacuum gauge
- 100 – 120VAC, 50/60Hz; single phase



Shown with Quick-disconnect and Filter Holder

GENERAL DESCRIPTION:

Model LV-1 is a low volume air sampler consisting of a ¼ HP oil-less, carbon vane vacuum pump with a flow meter, vacuum gauge and a constant airflow regulator for use where a nearly constant airflow is desirable. The regulator holds a constant pressure drop across an in-line orifice by varying the flow through a bypass valve in to the pump. This system allows the pump to work at a minimum pressure drop at all times permitting it to run cooler; thus extending its service life. The oil-less pump requires no lubrication to maintain optimal efficiency during its service life. The pump is mounted on a base with four rubber feet. A handle is provided on the chassis to facilitate its transportation.

The LV-1 Air Sampling System is designed for continuous indoor use. Please consult the product specifications for the design temperature and the installation category.

The typical operating flow range is 1 to 3 CFM (10 – 100 LPM).

REV: 22 Feb. 2016

Low Volume LV-1 Air Sampler Specifications

PUMP TYPE:	Oil-less, carbon vane ¼ HP, 1725 RPM @ 60 Hz
MAXIMUM CAPACITY:	4 CFM (113 LPM) @ 0" Hg Pressure drop
ULTIMATE VACUUM:	25" (635 mm) Hg @ sea level
POWER REQUIREMENTS:	100-120VAC, 50/60Hz @ 6 amperes; single phase
FUSE PROTECTION:	6 ¼ amperes, slow blow
ELECTRICAL CORD:	All temperature, 3 wire, 14 gauge
THERMAL OVERLOAD PROTECTION:	Furnished as an integral part of the motor
CONSTANT AIRFLOW REGULATOR:	Aluminum construction with silicone diaphragm, adjustable from 1 to 3 CFM (10-100 LPM)
DIMENSIONS:	18"L × 7"W × 13"H (45,7L × 17,8A × 33 cm Alt)
AVERAGE dB:	70.5
WEIGHT:	37 lbs. (16,8 kg)
INSTALLATION CATEGORY:	Pollution Degree 2
ENCLOSURE RATING:	IPX2
HANDLE:	Black Painted Steel

AVAILABLE ROTOMETER SCALES:

MODEL	RANGE
R10100	10-100 LPM
R13	1-3 CFM

OPTIONS

Elapsed Time Indicator	- 9999.9 hours or minutes
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COMBINATION FILTER HOLDER:

Durable plastic combination filter holders for F&J Model B, C or M charcoal cartridges and 47 mm, 2" or 50 mm diameter particulate filter paper are available. All models have quick-disconnect function.

STANDARD COMBINATION FILTER HOLDERS AVAILABLE:

FILTER HOLDER	CHARCOAL CARTRIDGE	PARTICULATE PAPER
MODEL	DIMENSIONS	DIAMETER
FJ-05P	F&J Model B	2" or 50 mm
FJ-21P	F&J Model C	2" or 50 mm
FJ-35P	F&J Model B	47 mm
FJ-46P	F&J Model C	47 mm
FJ-51P	F&J Model M	2" or 50 mm
FJ-53P	F&J Model M	47 mm