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Казахстан +7(7172)727-132

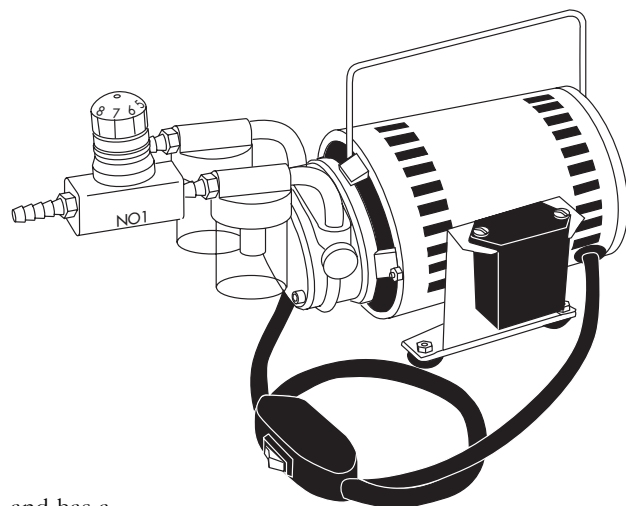
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High-Volume Vacuum/Pressure Pump

XX56 000 01 (115V/60 Hz)

XX56 000 02 (220V/50 Hz)



Introduction

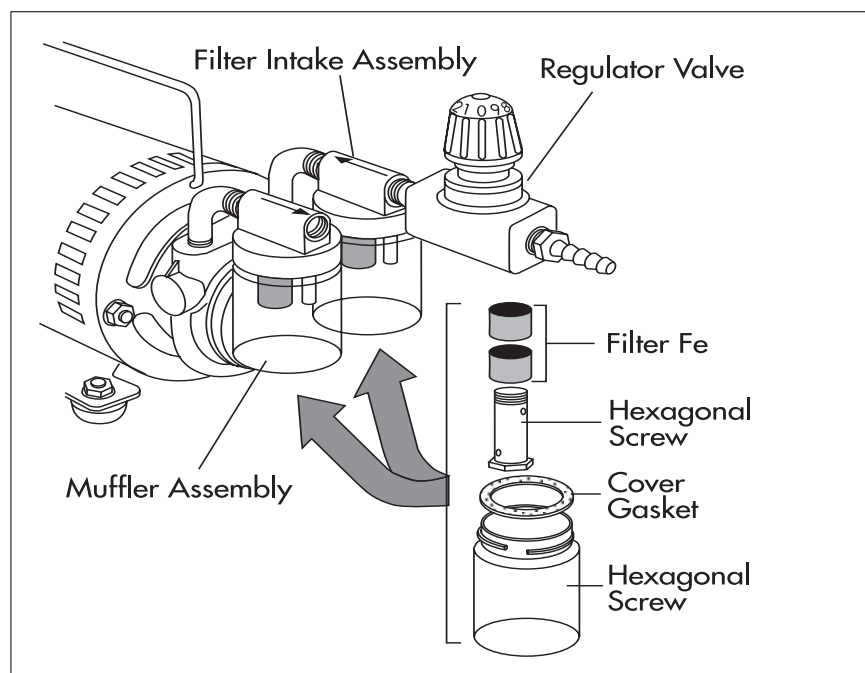
The Millipore High-Volume Vacuum/Pressure Pump is oil-less, portable, and has a rotary-vane (carbon-type). This pump is designed to sample up to 16 liters per minute. It also produces a vacuum up to 20 mercury (Hg), or a maximum pressure of 10 pounds per square inch gage (psig). You can use it as a vacuum or pressure source for filtration of liquids or gases, among other applications.

The pump is available with a 115 (volts) V/60 hertz (Hz) or 220 V/50 Hz motor. Use an appropriate AC power source designed for a three-pronged plug for the 115 V/60 Hz model. Or, use a source designed for a two pronged plug for the 220 V/50 Hz model. The pump meets the United States Environmental Protection Agency-Asbestos Hazard Emergency Response Act (U.S. EPA-AHERA) and United States Occupational Safety and Health Administration (U.S. OSHA) standards.

This document defines the parts and functions of the pump. It also describes how to use and maintain it.

▲ WARNING: Do not use the pump near combustible or liquid vapors since the vacuum/pressure pump is not explosion proof. Follow the instructions listed in this document to ensure proper use.

Diagram of the Pump



Maintaining the Pump

This section describes how to clean the pump filters and flush the pump. Flush the pump after each use to remove dirt, moisture, or oil vapors that enter the pump chambers. These substances can cause the vanes to stick in a rotor slot, resulting in a noisy, inefficient pump.

CAUTION: Do not lubricate any of the parts with oil, grease, or petroleum products, or clean the pump with acids, caustics, or chlorinated solvents. If you do, you could damage the pump.

Specifications

Pump	Rotary, oil-less, carbon vane; includes in-line filters and muffler, feet, handle, and power cord with switch
Regulator	1/18" needle valve with lock-in flow feature; sampling range (3 liters per minute [LPM]–20 LPM)
Power	115 V/60 Hz; 220 V/50 Hz
Power output	0.1 Horsepower (0.075 kw)
Connections	115 V/60 Hz: three-conductor, 115 V power cord, including power switch, with three-prong plug (inlet/outlet connectors to 3/8" hose) 220 V/50 Hz: three-conductor, 220 V cord with two-prong plug (inlet/outlet connectors to 1/8" hose)
Vacuum	Up to 20 Hg (660 mm)
Pressure	Up to 10 psig (1.05 kg/cm ²)
Maximum flow rate	14 LPM with 25 mm cassette, 20 LPM with 37 mm cassette
Weight	3.18 kg (7 lb)
Humidity	8% to 100% noncondensing
Sound level	less than 70 dba
Operating temperature	1°C to 40°C
Safety compliance	115 V CSA approved 220 V CE compliant - 89/356/EEC 89/392/EEC 91/368/EEC

Ordering Information

Description	Catalogue Number
Vacuum/pressure pump, high volume, 115 V/60 Hz	XX56 000 01
Vacuum/pressure pump, high volume, 220 V/50 Hz	XX56 000 02



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