

Welch®

**OEM, Industrial & Refrigeration Catalog
2005-2006**

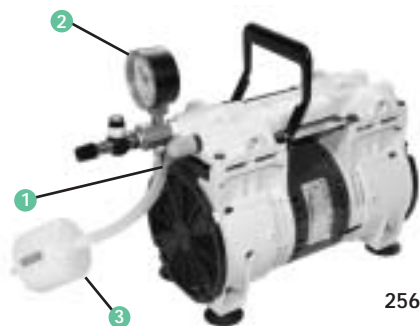
**LCMS Vacuum Pump
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ORDER ONLINE AT: www.cfpwarehouse.com or contact:

COMBINED FLUID PRODUCTS COMPANY
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Cell Harvesting & Aeration Pumps

High Flow for Cell Harvesting



2567B-70

- 1 Vacuum to 27.6" Hg(80 mbar)
- 2 Vacuum regulator for continuous vacuum level control and monitoring
- 3 PTFE hydrophobic filter inhibits ingestion of aerosol or fluids into pump

Standard Duty Dry Cell Harvesting System

Standard duty, oil-free pumps provide continuous high throughput flow for cell harvesters. Pump comes with a vacuum gauge to monitor vacuum level, bleed valve to regulate vacuum level, hydrophobic filter (cat. no. 1475K-23) with 0.2 m PTFE membrane to prevent accidental ingestion of liquids/aerosol, a 2.5 ft.(70 cm) of 1/4 in. (7 mm) ID silicon tubing. Recommended for aspirating aqueous solutions including buffers, but not for acidic, basic or organic vapors and gases.

Cat. No.	Description ¹
2567B-70	100 L/min, 27.6 in. Hg (60 Torr), 115V, 60Hz 1 Ph
2567C-70	83 L/min, 80 mbar, 230V, 50/60Hz 1 Ph supplied with CE mark.

Economical Source of Air for Aeration



2430B-01

- 1 Quiet, linear diaphragm mechanism
- 2 Continuous pressure to 4 PSI
- 3 Oil-less

Linear Diaphragm Compressor

Linear diaphragm compressors employ a linear/vibrating armature to move a diaphragm to generate compressed air for aeration in life science and environmental applications. The unit is low in vibration, generates little heat, low power consumption, and is low in noise. The mechanism is continuous duty.

Specifications

Welch Model	2420	2430	2460	2478
Free Air Displacement				
CFM(L/min) @ 60Hz	1.24(35)	2.0(56)	3.2(91)	3.6(102)
m ³ /hr(L/min) @ 50Hz	1.45(29)	2.4(47)	3.8(76)	4.4(85)
Max Pressure, PSIG (pascal)	3(3x10 ⁴)	3(3x10 ⁴)	4(4x10 ⁴)	3(3x10 ⁴)
Inlet thread NPT	1/8	3/8	3/8	3/16
Tubing, I.D. in.(mm)	3/8(10)	3/8(10)	3/8(10)	3/8(10)
Weight, pump only, lbs.(kg)	5.3	11	13.2	18.3
Dimensions of pump only LxWxH, in.	5.83x5.04x4.38	4.83x6.83x7.79	4.83x6.83x7.79	10.01x8.94x8.59
cm	14.81x12.80x11.13	12.27x17.35x19.79	12.27x17.35x19.79	25.43x22.71x21.82
Shipping weight, pump only lbs.(kg)	7(3.2)	13(5.9)	16(7.3)	21.3(9.5)

Ordering Information

Wired for 115V, 60Hz, 1 Ph with N. American 115V Plug	2420B-01	2430B-01	2460B-01	2478B-01
Wired for 230V, 50Hz, 1 Ph with cont. Euro.(Schuko) Plug ¹	2420C-02	2430C-02	2460C-02	2478C-02

Notes:

1. Supplied with CE marking