

Welch* General Purpose Vacuum Pumps



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Welch* General Purpose Direct Drive Rotary Vane Vacuum Pumps are designed to withstand exposure to a variety of aqueous laboratory mixtures and offer high performance and portability. In addition, these compact pumps fit easily into the cabinets of Labconco FreeZone console model freeze dry systems and CentriVap Mobile Systems.

Features/Specifications:

- Isolation valve seals the inlets to prevent oil and air contamination of the system in the event of power failure.
- Two-stage, rotary vane with infinitely-adjustable, leak-tight gas-ballast control and positive shut-off.
- Single phase, electric motor is totally enclosed, fan cooled with overload protection.

- Designed for use with aqueous samples
- Include Welch* DirecTORR* Gold Oil, the highest purity synthetic oil
- Compatible with Labconco FreeZone® Freeze Dry Systems, CentriVap® Centrifugal Concentrators and Protector® Controlled Atmosphere Glove Boxes

- Sound level of 50 dB.
- 1-20 Threaded exhaust connection.
- Include a 1 liter bottle of Welch* DirecTORR* Gold Oil.
- Include an oil mist exhaust filter that captures oil mist from the exhaust port and reduces pump noise.
- Include UNIBARB* fitting that accepts 1/2" or 3/4" ID vacuum hose (hose not included).
- Models 7438700 and 7439000 are CSA approved.
- Models 7438800, 7438600, 7439100 and 7439200 have CE mark.

Catalog Number	Volts	Hz	Amps	Motor HP	Ultimate Vacuum (Partial Pressure) mBar (0.1 micron)	Displacement at 60 Hz (50 Hz) liters/minute	Vacuum Inlet (UNIBARB*) OD	Dimensions w x d x h inches (cm)	Shipping Weight lbs. (kg)
7438700	115	50/60	5.8	1/2	1.3 x 10 ⁻⁴	108 (90)	1/2" and 3/4"	18.5 x 6.5 x 9.6 (47.0 x 16.5 x 24.3)	47 (21)
7438800**	230	50/60	2.9	1/2	1.3 x 10 ⁻⁴	108 (90)	1/2" and 3/4"	18.5 x 6.5 x 9.6 (47.0 x 16.5 x 24.3)	47 (21)
7438900†	230	50/60	2.9	1/2	1.3 x 10 ⁻⁴	108 (90)	1/2" and 3/4"	18.5 x 6.5 x 9.6 (47.0 x 16.5 x 24.3)	47 (21)
7439000	115	50/60	5.8	1/2	1.3 x 10 ⁻⁴	173 (144)	1/2" and 3/4"	18.5 x 6.5 x 9.6 (47.0 x 16.5 x 24.3)	53 (24)
7439100**	230	50/60	2.9	1/2	1.3 x 10 ⁻⁴	173 (144)	1/2" and 3/4"	18.5 x 6.5 x 9.6 (47.0 x 16.5 x 24.3)	53 (24)
7439200†	230	50/60	2.9	1/2	1.3 x 10 ⁻⁴	173 (144)	1/2" and 3/4"	18.5 x 6.5 x 9.6 (47.0 x 16.5 x 24.3)	53(24)

* Welch® and DirecTORR® are registered trademarks of Thomas Industries, Inc. and UNIBARB™ is a trademark of Thomas Industries, Inc.

** Has NEMA 6-15P Plug

† Has reverse IEC plug