

DRYFAST® & DRYFAST ULTRA® Welch® Improves Dry Vacuum Pump Technology

New

- **Advanced Vapor Management (AVM)**
- **Vacuum to 2-torr (2.6 mbar, 266 Pa)**
- **Strips DMF fast***
- **Chemically resistant**
- **Oil-free operation**

Welch® improves dry vacuum pump technology with the new DRYFAST® and DRYFAST ULTRA® having built-in Advanced Vapor Management (AVM). AVM means precise control capability for the distillation of organic solvents and applications handling aggressive vapors and gases.

Constructed with solid PTFE heads, PTFE diaphragms, Kalrez® valves and utilizing fluorinated plastics on all wetted surfaces, these dry vacuum pumps are designed to meet your ever-challenging chemical duty laboratory needs.

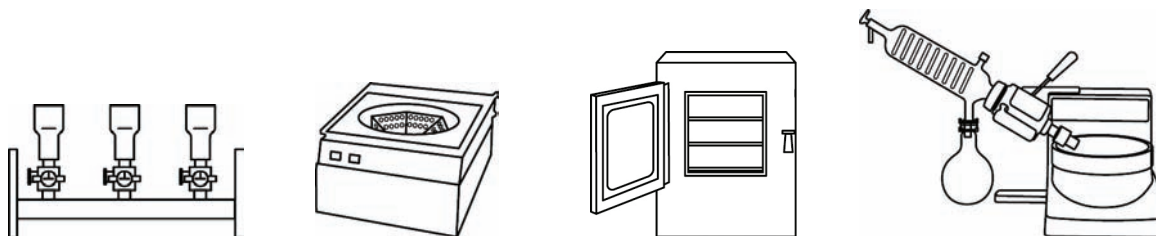
The six new models feature flows to 70 l/min and ultimate vacuum levels down to 2-Torr. No cold traps are needed to operate. These stand-alone vacuum pumps need very little maintenance leading to low cost of ownership and improved productivity.

Welch® application certifies DRYFAST® and DRYFAST ULTRA® for rotary evaporation, concentrators, evaporators, vacuum ovens, filtration, degassing, and other chemical applications. See back page for the complete model specifications and information.

*Strip 2-4 ml/min of DMF at 35°C when using a dry ice condenser.

Evaporation • Filtration • Vacuum Ovens

Rotary Evaporators • Concentrators • Gel Dryers



Model	Pump Specifications*					
	DRYFAST ULTRA®		DRYFAST®			
	2032	2042	2034	2044	2037	2047
Free Air Displacement						
CFM (L/min) @ 60Hz	0.9(25)	1.2(35)	0.9(25)	1.2(35)	1.8(50)	2.5(70)
m3/hr (L/min) @ 50Hz	1.25(21)	1.75(29)	1.25(21)	1.75(29)	2.5(42)	3.5(58)
Ultimate Pressure, Torr (mbar)	2(3)	2(3)	9(12)	9(12)	35(47)	35(47)
Maximum Vacuum, inches of Hg	29.85	29.85	29.6	29.6	28.5	28.5
Motor Horsepower (watts)	1/5(150)	1/5(150)	1/5(150)	1/5(150)	1/5(150)	1/5(150)
Tubing Needed, I.D. inches (mm)	1/4 (7)	1/4 (7)	1/4 (7)	1/4 (7)	1/4 (7)	1/4 (7)
Weight, lbs. (kg)	21.25(9.6)	21.25(9.6)	21.25(9.6)	21.25(9.6)	21.25(9.6)	21.25(9.6)
L in. (cm)	13.8(35.2)	13.8(35.2)	13.8(35.2)	13.8(35.2)	13.8(35.2)	13.8(35.2)
W in. (cm)	6.8(17.2)	6.8(17.2)	6.8(17.2)	6.8(17.2)	6.8(17.2)	6.8(17.2)
H in. (cm)	8.8(22.3)	8.8(22.3)	8.8(22.3)	8.8(22.3)	8.8(22.3)	8.8(22.3)
Shipping Weight, lbs. (kg)	25(11.3)	25(11.3)	25(11.3)	25(11.3)	25(11.3)	25(11.3)
Shipping Carton Dimensions	20.5x13.8x14.5	20.5x13.8x14.5	20.5x13.8x14.5	20.5x13.8x14.5	20.5x13.8x14.5	20.5x13.8x14.5
L x W x H in. (cm)	(52.1x35.1x36.8)	(52.1x35.1x36.8)	(52.1x35.1x36.8)	(52.1x35.1x36.8)	(52.1x35.1x36.8)	(52.1x35.1x36.8)
Wired for 115V, 60Hz, 1Ph with N. American 115V plug	2032B-01	2042B-01	2034B-01	2044B-01	2037B-01	2047B-01
Wired for 230V, 50Hz, 1Ph, IEC Cord with Continental Euro. (Schuko) plug	2032C-02	2042C-02	2034C-02	2044C-02	2037C-02	2047C-02
Wired for 100V, 50/60Hz for Japan	2032C-05	2042C-05	2034C-05	2044C-05	2037C-05	2047C-05

*Pump Specifications are subject to change without notice.

Welch® - Applied Vacuum Technology for the Laboratory



Gardner Denver Thomas, Inc., Welch Vacuum Technology
 7301 N. Central Avenue, Skokie, IL 60077
 Phone: (847) 676-8800 Fax: (847) 677-8606
 Email: welchvacuum@rtpumps.com
 Web: www.welchvacuum.com