

## DRYFAST® & DRYFAST ULTRA®

Welch® Improves Dry Vacuum Pump Technology



DRYFAST ULTRA® Model 2042

- **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.

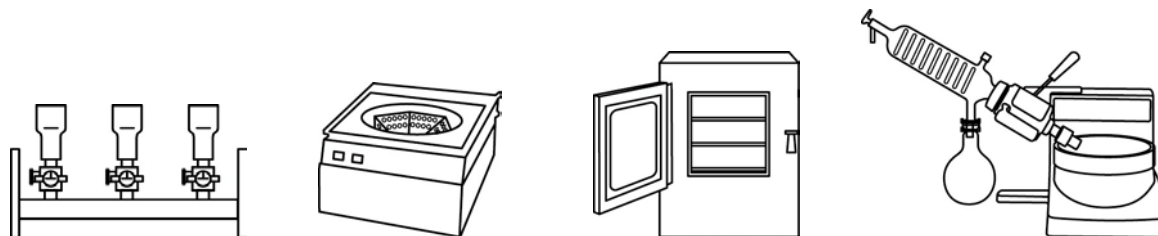
Constructed with solid PTFE heads, PTFE diaphragms, Kalrez® valves and utilizing fluorinated plastics on all wetted surfaces, these dry vacuum pumps are designed to meet your ever-challenging chemical duty laboratory needs.

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.

*Welch® - Applied Vacuum Technology for the Laboratory*

**Evaporation • Filtration • Vacuum Ovens  
Rotary Evaporators • Concentrators • Gel Dryers**



*Welch® - Applied Vacuum Technology for the Laboratory*

Model	Pump Specifications*					
	DRYFAST®				DRYFAST ULTRA®	
	2047	2037	2044	2034	2042	2032
<b>Free Air Displacement</b>						
CFM (L/min) @ 60Hz	2.5(70)	1.8(50)	1.2(35)	0.9(25)	1.2(35)	0.9(25)
m3/hr (L/min) @ 50Hz	3.5(58)	2.5(42)	1.75(29)	1.25(21)	1.75(29)	1.25(21)
Ultimate Pressure, Torr (mbar)	35(47)	35(47)	9(12)	9(12)	2(3)	2(3)
Maximum Vacuum, inches of Hg	28.5	28.5	29.6	29.6	29.85	29.85
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(35.1)	13.8(35.1)	13.8(35.1)	13.8(35.1)	13.8(35.1)	13.8(35.1)
W in. (cm)	6.4(16.3)	6.4(16.3)	6.4(16.3)	6.4(16.3)	6.4(16.3)	6.4(16.3)
H in. (cm)	8.7 (22.1)	8.7 (22.1)	8.7 (22.1)	8.7 (22.1)	8.7(22.1)	8.7(22.1)
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	2047B-01	2037B-01	2044B-01	2034B-01	2042B-01	2032B-01
Wired for 230V, 50Hz, 1Ph, IEC Cord with Continental Euro. (Schuko) plug	2047C-02	2037C-02	2044C-02	2034C-02	2042C-02	2032C-02
Wired for 100V, 50/60Hz for Japan	2047C-05	2037C-05	2044C-05	2034C-05	2042C-05	2032C-05

\*Pump Specifications are subject to change.



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