

Budget-Friendly PTFE Dry Vacuum Pump

WELCH®

DRYFAST® Collegiate

- Harsh Chemical Fume Applications
- Small, lightweight, oil-free, low maintenance
- Precision vacuum adjustment

Preserve your budget while enjoying the advantages of a Welch DRYFAST vacuum pump. Chemical resistant Collegiate Model 2014 pump is perfect for MeCl_2 and other volatile solvent rotary evaporations. Also ideal for vacuum filtrations where corrosive or organic fumes are generated.

Achieve precise vacuum control down to 40 torr (53mbar) using convenient adjustment knob. 35 lpm flow. Modern compact design weighs only 15 lbs (6.8 kg)



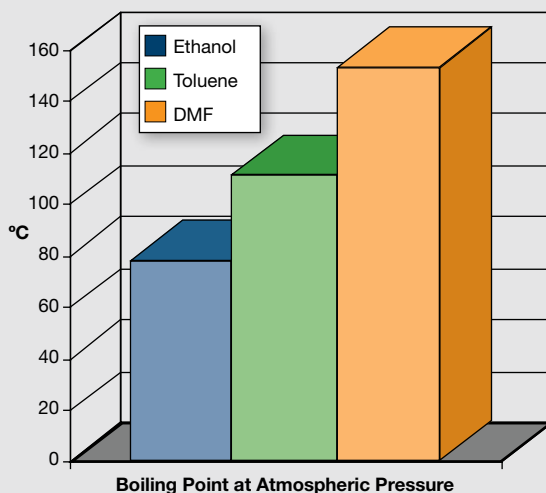
Model 2014

Key Applications

- Rotary Evaporations @ 35° - 40° C – Volatile solvents
- Vacuum Filtrations – up to 3 Funnels
- Vacuum Ovens – Models up to 1 Cu. Ft. (28 L)

Selecting Your DRYFAST Pump for Rotary Evaporation

Buy the DRYFAST® pump for the vacuum levels you need. Lower vacuum levels are required to drive evaporation of volatile solvents. Use solvent volatility criteria (right) to size your pump for safe, high-yield evaporations at 35° C.



DRYFAST Ultra
2 torr Vacuum Pump
Models 2032 & 2042



DRYFAST Research
9 torr Vacuum Pump
Models 2034 & 2044



DRYFAST Collegiate
40 torr Vacuum Pump
Model 2014





2014



2034/2044



2032/2042

DRYFAST Model Specifications

Model	2014	2034	2044 ¹	2032	2042 ¹
	Collegiate	Research		Ultra	
FAD, L/min @ 60Hz(@ 50Hz)	35(29)	25(21)	35(29)	25(21)	35(29)
Ultimate pressure, torr(mbar)	40(53)	9(12)	9(12)	2(2.7)	2(2.7)
Maximum Vacuum, in. Hg	28.3	29.6	29.6	29.85	29.85
Tubing Needed, I.D. in(mm)	1/4(7)	1/4(7)	1/4(7)	1/4(7)	1/4(7)
Weight, lbs.(kg)	15.0(6.8)	21.3(9.6)	21.3(9.6)	21.3(9.6)	21.3(9.6)
Dimensions	L in.(cm)	12.0(30.5)	13.8(35.2)	13.8(35.2)	13.8(35.2)
	W in.(cm)	7.0(17.8)	6.8(17.2)	6.8(17.2)	6.8(17.2)
	H in.(cm)	8.3(21.1)	8.8(22.3)	8.8(22.3)	8.8(22.3)

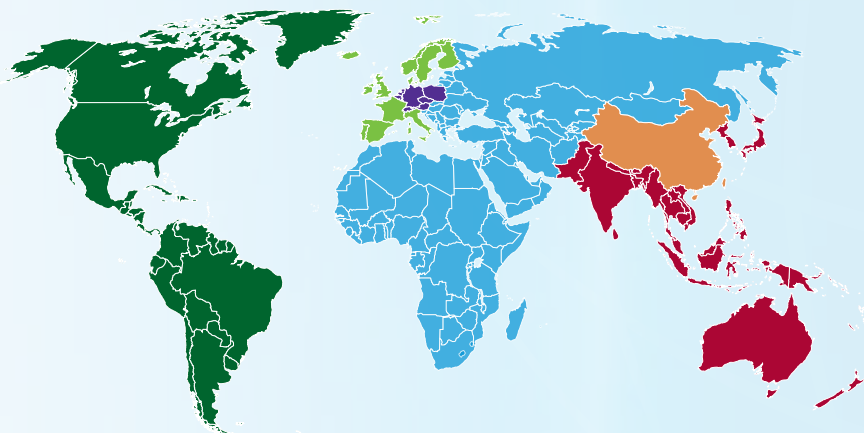
Order Information

Wired for 115V, 60Hz, 1 Ph with N. Amer. 115V Plug	2014B-01	2034B-01	2044B-01	2032B-01	2042B-01
Wired for 230V, 50/60Hz, 1Ph, w/ UK and Schuko cord sets included	2014C-02	2034C-02	2044C-02	2032C-02	2042C-02
Wired for 100V, 50/60Hz for Japan	2014C-05	2034C-05	2044C-05	2032C-05	2042C-05

1. Large volume applications, e.g. 10L rotary evaporator

WELCH-ILMVAC

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