

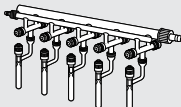

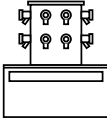

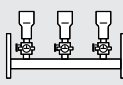



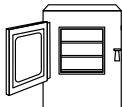




Pump Quick Selection Chart | For Common Lab Applications

APPLICATION	WELCH VACUUM PUMPS & SYSTEMS	FLOW RATE X VACUUM	UNIT PHOTO	MODEL	PAGE
Rotovap Volatiles, Low B.P. B.P. <100°C Samples 0-5 Liter 	Self Cleaning System with regulator, gauge, condensate jars	35 l/min. 9 torr (12mbar)		202501	6 - 8
	DRYFAST PTFE Pump	25 l/min. 9 torr (12mbar)		2034B-01	
Rotovap DMF, Toluene, other non-volatiles Samples 0-5 Liter 	Self Cleaning System programmable w/condensate catchpots	35 l/min. 2 torr (2.7mbar)		202701	6 - 8
	DRYFAST ULTRA PTFE Pump	35 l/min. 2 torr (2.7mbar)		2042B-01	
Concentrator DNA Pelleting SpeedVac® & CentriVap® 	DRYFAST PTFE Pump	35 l/min. 9 torr (12mbar)		2044B-01	15
	DRYFAST ULTRA PTFE Pump	35 l/min. 2 torr (2.7mbar)		2042B-01	
	Welch High Capacity PTFE Pump	100 l/min. 6 torr (8.0mbar)		2054B-01	
Vacuum Manifold Schlenk Line 	DuoSEAL® & CHEMSTAR® Pumps	25 l/min. <1 millitorr (1.3x10 ³ mbar)		1400B-01 or 1400N-01	10 - 11
	GEM® System	31 l/min. 100 millitorr (0.13mbar)		8890A-70	
Freeze Dryer 	CRVpro, Your Robust Vacuum Pump	158 l/min.		3081-01	16 - 17
	CHEMSTAR Low RPM Pump	160 l/min.		1402N-01	
	Direct drive pump with integral oil filtration system	173 l/min.		8917A-80	
Filtration 	Welch Light Chemical Duty Pump	37 l/min.		2019B-01	18 - 19
	DRYFAST - Chemical Duty Pump	35 l/min.		2014B-01	
	WOB-L - Standard Duty Pump	45 l/min.		2546B-01	
Aspiration/Automation Cell Harvester Plate Washer 	WOB-L - Standard Duty Pump	100 l/min. 27.6 in. Hg (80mbar)		2567B-50	12 - 13
	DRYFAST - Chemical Duty Pump	70 l/min. 28.5 in. Hg (47mbar)		2047B-01	
Cell Culture Aspiration 	Welch Aspiration Station With gauge, regulator, 1200 ml autoclavable trap with liquid blockade system	34 l/min. 27.2 in. Hg (93mbar)		2515B-75	12 - 13
Vacuum Oven Drying Degassing 	WOB-L - Standard Duty Pump	100 l/min.		2581B-50	22 - 23
	DRYFAST - Chemical Duty Pump	35 l/min.		2042B-01	
	Welch High Capacity PTFE Pump	100 l/min.		2054B-01	
	CRVpro Pump	160 l/min.		3061-01	
Gel Dryer 	DRYFAST - Chemical Duty Pump	35 l/min.		2014B-01	14

Model Selectors

Look for the Model Selector Charts in each Application Section for further pump selection guidance.



CE **SP** See specific Cat no. for specific listing.

	Model 2025	Model 2026	Model 2027	Model 2028
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Specifications

Model	w/Analog Gauge 2025	w/Analog Gauge 2026	w/Digital Gauge 2027	Programmable w/Digital Gauge 2028
Free Air Displacement				
cfm(l/min.) @60Hz	1.2 (35)	1.2 (35)	1.2 (35)	1.2 (35)
m ³ /hr(l/min.) @50Hz	1.7 (29)	1.7 (29)	1.7 (29)	1.7 (29)
Ult. Vac. Pressure, torr (mbar)	9 (12)	2 (2.7)	2 (2.7)	2 (2.7)
Maximum Vacuum, in. Hg	29.6	29.85	29.85	29.85
Tubing Needed, I.D. in. (mm)	1/4 (7)	1/4 (7)	1/4 (7)	1/4 (7)
Motor Horsepower (watts)	1/5 (150)	1/5 (150)	1/5 (150)	1/5 (150)
Adjustable Vac./Gas Ballast	Yes	Yes	Yes	Yes
Intake(Exhaust) Thread NPT	3/8	3/8	3/8	3/8
Weight lbs.(kg)	30 (13.6)	30 (13.6)	30 (13.6)	30 (13.6)
Overall Dimensions LxWxH in.(cm)	13.6x12x11.3 (35x31x29)	13.6x12x11.3 (35x31x29)	13.6x12x11.3 (35x31x29)	13.6x12x11.3 (35x31x29)
Ship Weight, lbs.(kg)	36 (16.4)	36 (16.4)	36 (16.4)	36 (16.4)
Shipping Carton Dimensions LxWxH in.(cm)	18x17x17 (46x42x43)	18x17x17 (46x42x43)	18x17x17 (46x42x43)	18x17x17 (46x42x43)

Ordering Information

Wired for 115V, 60Hz, 1 Ph with N. Amer. 115V Plug	202501 CSA	202601 CSA	202701 CSA	202801 CSA
Wired for 230V, 50/60Hz, 1Ph, w/UK and Schuko cord sets included	202503 CE	---	202703 CE	202803 CE
Wired for 100V, 50/60Hz for Japan	202505	---	202705	202805

For a Complete System

Self-Cleaning Dry Vacuum Systems

These chemical duty dry diaphragm pumping systems are typically used in evaporation applications, e.g. rotavaps. Self-cleaning air purge cycle at the conclusion of each run maintains consistent performance and extends service intervals. Dial up vacuum control and a handy switch for instant reaction to bumping / foaming conditions. Rugged PTFE construction of all contact surfaces.

See pages 6-9 for further details on using systems on Rotary Evaporators

GREEN
By Design

CAPTURE™ vapor emissions from rotary evaporators with an integrated solvent recovery system - see p. 71



Component	page
• Traps	69
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• Gauges	76
• Service Kits	80