

NO HASSLE GEL DRYING



**Model
142601**

**Specifications &
Ordering - see below**

- Fast results with crack-free gels
- No dry ice, no trap cleaning
- Drain condensate after 10-15 runs

The revolutionary GELMASTER™ gel dryer vacuum system (>50 l/min. of Vapor @ 28 in. Hg) dries Acrylamide DNA or protein gels as fast as a high vacuum oil sealed pump with dry ice trap. However, it needs no dry ice and it eliminates cold trap cleaning. GELMASTER's unique design uses a patented room temperature vapor trap with a built-in dry vacuum pump. Condensate is collected in liquid form so there is no messy ice buildup and the tenth drying run is as fast as the first. When the collector reaches capacity, simply drain the contents and begin again. Does not require external cold trap.

GELMASTER comes complete and ready to use with 5 ft. (1.5m) of 3/8 in. (10mm) ID PVC vacuum tubing, in-line stopcock, hose clamps, detachable line cord, and one liter of trapping fluid. An annual flushing of the collector with 8995C-70 Flushing Fluid is recommended for optimum performance.

Ordering Information

Description	Cat. No.
115V, 60Hz, 1 Ph w/ N. American plug. Dmns: 14.25"L x 15.5"W x 14"H (36.2 x 39.4 x 35.6 cm). Weight: 33.5 lbs (15.2 kg)	142601
Same as 142601 w/ 220V, 50Hz w/ Continental Europe (Schuko) plug	142602
Same as 142601 w/ 100V, 50/60Hz with US 115V plug (Japan)	142604
Same as 142601 w/ 220V, 50Hz with UK plug.	142606
Trapping fluid, 1 liter	8995C
Flushing fluid, 1 Gal (3.78 liter)	8995C-70

ONE PUMP FOR CONCENTRATOR AND GEL DRYER

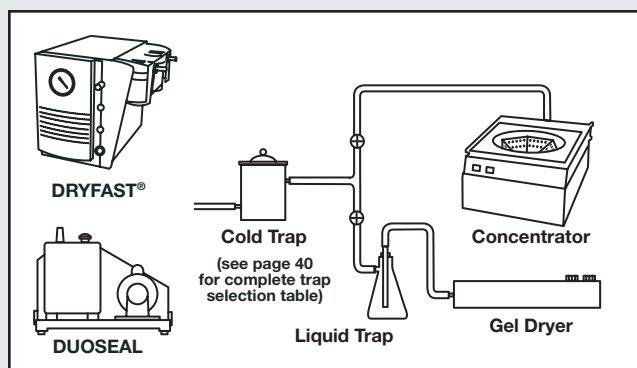


**Model
2025**

**Specifications &
Ordering - p. 26**

- Saves valuable lab space
- Fast, high quality results
- Reliable PTFE dry pump

The model 2025 Self-Cleaning Dry Vacuum System™ with 35 l/min. (29 l/min. @ 50Hz) of pumping capacity is effective for either a concentrator or gel dryer. Crowded laboratories find it convenient to use one vacuum pump for both devices. Simply assemble a basic manifold with tubing and two in-line valves. When the concentrator is in use, close the valve to the gel dryer, and vice versa. An in-line dry ice trap is recommended for this configuration.



Recommended Configuration

Compatible with all Gel Dryers Including:

Cat. No. (115V/60Hz)	Bio-rad	Hoefler	Fisher Biotech	Labconco
142601 or 202501	583	SE 1200, GD 2000	FB-GD-45-10	4330100, 4330150

PTFE Dry Vacuum Systems | Self-Cleaning



**Model
2025**



**Model
2026**



**Model
2027**



**Model
2028**



Specifications		WELCH Self-Cleaning Dry Vacuum Systems			
WELCH 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 (34.5x30.5x28.7)	13.6x12x11.3 (34.5x30.5x28.7)	13.6x12x11.3 (34.5x30.5x28.7)	13.6x12x11.3 (34.5x30.5x28.7)	
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	202601	202701	202801	
Wired for 230V, 50/60Hz, 1Ph, w/ UK and Schuko cord sets included	202503	---	202703	202803	
Wired for 100V, 50/60Hz for Japan	202505	---	202705	202805	

Applications

	page
1. Rotary Evaporation	2 - 6
2. Vacuum Oven / Desiccation	15
3. Gel Dryer	11
4. Centrifugal Concentrators	10
5. Distillation	2 - 6

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 page 2 for description of each model.

**Green
By Design**

CAPTURE™ vapor emissions from rotary evaporators with an integrated solvent recovery system - see p. 6

