



## **DRYFAST Ultra™ 2 Torr Chemical Duty Self-Cleaning Dry Vacuum Systems™**



**Model 2027**

- **Model 2027 (digital gauge) and model 2026 (dial gauge) - 2 Torr with free air displacement of 32 L/min**
- **Vacuum regulator prevents bumping and foaming**
- **Self-Cleaning feature activates on shut-down – prolonging membrane lifespan**
- **Corrosion resistant PTFE (oil-Free) diaphragm pump**
- **For solvent boiling points <160 °C such as DMF**
- **New patent-pending diaphragm pump technology**

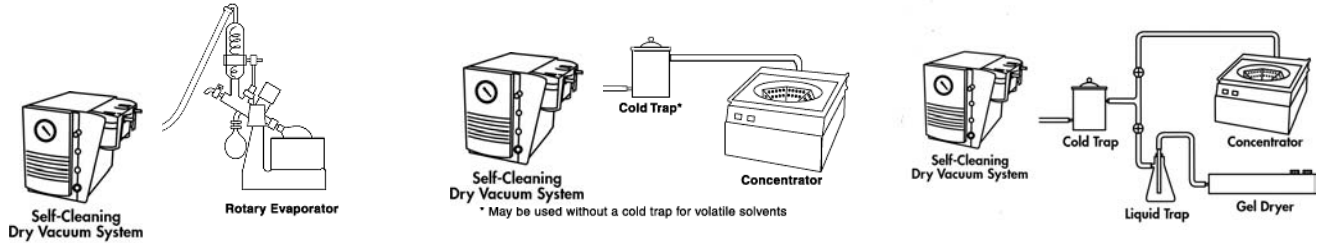
Welch's new DRYFAST Ultra 2 Torr Self-Cleaning Dry Vacuum System is ideal to use with a rotary evaporator for stripping high-boiling-point solvents <160 °C such as DMF or low boiling point solvents such as methylene chloride using the regulator.

The system's patent-pending two-stage, flexible diaphragm pump resists chemical vapors thanks to fluorinated plastics used on all wetted surfaces—including the diaphragm itself. Pump is oil-free yet delivers a vacuum to 2 Torr (2.7 mbar) with a free air displacement of 34L/min. (1.2 CFM). Plus, the self-cleaning purge automatically runs for two minutes at shutdown to rid pump of residue— ensuring longer membrane service life and reducing downtime.

The digital Self-Cleaning Dry Vacuum System model 2027 (absolute gauge) and mode 2026 (relative gauge) are fully equipped with several added protective features. Features include a glass inlet separator that helps prevent the pump from ingesting liquids or particulates; a gas ballast (vent switch) to minimize condensation when pumping heavy vapor loads; and an exhaust separator that collects any liquid droplets or particulates flushed from the pump during the purge cycle.

An adjustable bleed valve mounted directly on the system lets you regulate the vacuum level, while a dial pressure gauge permits monitoring of set value—a feature especially useful when pumping low-boiling point solvents to minimize foaming or bumping within a flask (handles flasks up to 5L).

# Rotary Evaporators • Concentrators • Gel Dryers



Each system includes a vacuum regulator, easy-to-read gauge, gas ballast, intake and exhaust capture jars, and an automatic fresh air purge that cleans the system after each use and extends the life of the diaphragms.

## Specifications\* & Ordering Information

Model	202701 <sup>(1)</sup>	202703 <sup>(2)</sup>	202705	202601 <sup>(1)</sup>
<b>Free Air Displacement</b>				
CFM(L/min) @ 60Hz	1.2(34)	1.2(34)	1.2(34)	1.2(34)
m <sup>3</sup> /hr(L/min) @ 50Hz	1.7(28)	1.7(28)	1.7(28)	1.7(28)
<b>Ultimate Pressure, Torr (mbar)</b>	2(2.7)	2(2.7)	2(2.7)	2(2.7)
<b>Maximum Vacuum, in. Hg.</b>	29.8	29.8	29.8	29.8
<b>Motor Horsepower (watts)</b>	1/5(150)	1/5(150)	1/5(150)	1/5(150)
<b>Gas Ballast</b>	Yes	Yes	Yes	Yes
<b>Tubing Needed, ID in. (mm)</b>	1/4(7)	1/4(7)	1/4(7)	1/4(7)
<b>Intake Exhaust Thread NPT</b>	3/8	3/8	3/8	3/8
<b>Weight(lbs.)</b>	30(13.6)	30(13.6)	30(13.6)	30(13.6)
<b>Overall Dimensions</b>				
L in. (cm)	13.6 (42.2)	13.6 (42.2)	13.6 (42.2)	13.6 (42.2)
W in. (cm)	12(30.5)	12(30.5)	12(30.5)	12(30.5)
H in. (cm)	11.3(28.7)	11.3(28.7)	11.3(28.7)	11.3(28.7)
<b>Ship Weight, lbs (kg)</b>	36(16.3)	36(16.3)	36(16.3)	36(16.3)
<b>Shipping Carton Dimensions</b>	21x15.5x14.25	21x15.5x14.25	21x15.5x14.25	21x15.5x14.25
<b>L x W X H in. (cm)</b>	(61x39.4x36.2)	(61x39.4x36.2)	(61x39.4x36.2)	(61x39.4x36.2)
<b>Electrical Requirements</b>	115V, 60 Hz	230V, 50 Hz	100V 50/60 HZ	115V, 60 Hz

\* Specifications subject to change without notice.

1) CSA Approved model.

2) 50 Hz models supplied with CE marking.



For Repair Service:



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