Freeze Dryer Comparison

Our freeze dryers / lyophilizers have been developed from over 50 years of experience in the freeze drying world. Our designs provide a highly reliable platform for your freeze dryer needs. Advanced system options include FreezeBooster® Controlled Nucleation, Auto-Dry™ Protocol Optimization, AccuFlux® Heat Flow Measurement and LyoPAT® In-Process, Process Analytical Technology. The combination provides the ideal platform for simplified and optimized protocol development.

Processing Tray Freeze Dryer Comparison

Laboratory and commercial freeze dryers for pharmaceutical, biotechnology, diagnostics, tissue banks, scientific labs, and more

Product	Application	Usable Shelf Area	# of Shelves + Radiant Top Plate	Condenser Capacity	Condensing Rate	Condensing Temperature (Max low)	Refrigeration Cooling Requirement
Quanta	Production Freeze Dryers	8ft2 - 400ft2 0.75m2 - 37m2	Custom	Sized to Unit	Sized to Unit	-70C	Water
EPIC	Small Production	15ft2 - 30ft2 1.39m2 - 2.78m2	5 to 10	50L	40L/24 hrs	-85C	Water or LN2 Option
Magnum XL	Pilot Scale	20ft2 - 30ft2 1.85m2 - 2.78m2	10 to 15	30L	20L/24 hrs	-85C	Air Standard/ Water Optional or LN2 Option
MAGNUM®	Pilot Scale	10ft2 - 20ft2 1m2 - 1.85m2	5 to 10	30L	20L/24 hrs	-53 or -85C	Air Standard/ Water Optional or LN2 Option
REVO®	Lab Research & Development	2ft2 - 10ft2 .18m2 - 1m2	1 to 5	30L	20L/24 hrs	-53 or -85C	Air Standard/ Water Optional or LN2 Option
STELLAR®	Lab	3.75ft2 - 6.25ft2 .35m2 - .58m2	3 to 5	12L	12L/24 hrs	-53 or -85C	Air Standard/ Water Optional or LN2 Option

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LyoPro Protocol Development Freeze Dryer Comparison

Protocol Development Freeze Dryers for Analysis, Optimization and Transfer

Product	Application	Usable Shelf Area	# of Shelves + Radiant Top Plate	Condenser Capacity	Condensing Rate	Condensing Temperature (Max low)	Refrigeration Cooling Requirement
Magnum® Pro	**Pilot Scale**	10ft2 - 20ft2 1m2 - 1.85m2	5 to 10	30L	20L/2 4 hrs	-53 or -85C	Air Standard/ Water Optional
Revo® Pro	**Lab Research & Development**	2ft2 - 10ft2 0.18m2 - 1m2	1 to 5	30L	20L/2 4 hrs	-53 or -85C	Air Standard/ Water Optional
MicroFD® with LyoSIM & LyoPat	**Small Research & Development**	19in2 48.26c m2	1	0.5L	.5L/24 hrs	-70C	Air Standard/ Water Optional

More Questions?

For more information, do not hesitate to contact us, request a quote, send an email, or give us a ring.
Our staff is ready and available to answer your questions and get you on the road to the perfect freeze dryer for your specific needs.

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