Vacuum Drying Oven

Vacuum drying is one of the foremost industrial drying techniques for heat-sensitive, hygroscopic, and/or toxic powders and granules. Avoiding excessive heat while drying powder may be necessary for a variety of reasons, ranging from product quality to safety:

- Pharmaceutical powders - active ingredients may lose their medicinal effect when warmed.
- Food drying - certain nutrients may break down if exposed to high temperatures. Taste, consistency, and appearance can also degrade under too much heat.
- Plastics and chemical processing – synthetic materials can leach toxins with prolonged exposure to heat. This can even make convection drying methods hazardous, as the hot air stream must eventually be emitted.



Vacuum Oven Model VOM-54





LCD Touch Button and Sensor for vacuum control



Vacuum Pump



Corrosion Resistant Diaphragm Vacuum Pump



Touch Screen HMI Display for Vacuum and Temperature control with 3 level password protected user management for FDA requirement, Data storage, PC and Printer Connection facility

Technical Specifications

Model	VOM-25	VOM-53	VOM-91	VOM-215	VOM-90V	VOM-215V
Capacity	25L	53L	91L	215L	90L	215L
Temp. Range	RT+10~220°C / 05°C-220°C (with Cooling)					
Temp. Fluctuation	±1°C					
Vacuum Degree	5 mbar to 1013mbar (depending on vacuum pump)					
Vacuum Control	Manual control / Automatically, Digital Touch button LCD Display/ Automatically, Microprocessor Touch Screen HMI control					
Shelves No.	1pc	2pcs	2pcs	3pcs	2pcs	3pcs
Material	Chamber: SS304, Outside: Powder coated mild steel					
Consumption	500W	1400W	1600W	2200W	1600W	2200W
Power Supply	AC220V±10%, 50Hz					
Internal Size (W*D*H) mm	296*300*270	416*370*346	450*450*450	556*600*640	450*450*450	556*600*640
External Size (W*D*H) mm	590*492*468	710*562*544	611*641*1398	721*794*1638	611*641*1398	721*794*1638
Package Size (W*D*H) mm	740*620*630	820*700*690	790*750*1570	900*850*1930	790*750*1570	900*850*1930
Gross Weight(kg)	50	106	155	195	155	195

Customized size available

Vacuum Pumps (Diaphragm and Ordinary)



Model GM0.20



Model GM 0.33/GM0.5A/GM0.5B/ GM-1.0A/GM2.0A

Model	GM 0.20	GM0 0.33	GM-0.5A	GM-1.0A	GM-2.0A
Pumping Speed	15L/Min	20L/Min	30L/Min;(1CFM)	30L/Min;(1CFM)	60L/Min;(2CFM)
Max Vacuum	250mbar (0.075MPa)	200mbar (0.08MPa)		50mbar (0.095MPa)	200mbar (0.08MPa)
Positive Pressure	≥30Psi	—	≥30Psi	—	≥30Psi
Motor Power	75W;(1/10HP)	160W;(1/5HP)			
Inlet & Outlet	φ6 (mm)				
Temp. of the Body	≤55℃				
Ambient Temp.	7-40℃				
Noise Level(dB)	＜60				
Diaphragm	Nitrile Rubber (NBR)				
Dimensions (L*W*H)	320*200*240mm	350*210*340 mm	320*220*350mm	410*230*350mm	410*250*350mm
Weight	4.5KG	7.5KG	8KG	10KG	10KG
Power Supply	220V;50Hz				
Pump Head	1			2	
Function	Vacuum & Pressure	Vacuum	Vacuum & Pressure	Vacuum	Vacuum & Pressure

Vacuum Pumps (Diaphragm and Anti Corrosive)



Model GMA 0.20/GMA 0.33/GMA 0.5A/GMA 0.5B/ GMA 1.0A/GMA 2.0A

Model	GMA0.20	GMA0.33	GMA-0.5A	GMA-1.0A	GMA-2.0A
Pumping Speed	30L/Min;(1CFM)	20L/Min	30L/Min;(1CFM)	30L/Min;(1CFM)	60L/Min;(2CFM)
Max Vacuum	50mbar (0.095MPa)	200mbar (0.08MPa)		50mbar (0.095MPa)	200mbar (0.08MPa)
Positive Pressure	—	—	≥30Psi	—	≥30Psi
Motor Power	160W;(1/5HP)	160W;(1/5HP)			
Inlet & Outlet	φ6 (mm)				
Temp. of the Body	≤55℃				
Ambient Temp.	7-40℃				
Noise Level(dB)	＜60				
Diaphragm	PTFE Coated				
Dimensions (L*W*H)	410*230*350mm	350*210*340 mm	320*220*350mm	410*230*350mm	410*250*350mm
Weight	7.5KG		8KG	10KG	10KG
Power Supply	220V;50Hz				
Pump Head	1		2		
Function	Vacuum	Vacuum & Pressure	Vacuum	Vacuum & Pressure	Vacuum & Pressure