

VOS250-HMDS Vacuum Drying Oven with Vacuum Pump

For HMDS / Semiconductor Electronics

The VOS250-HMDS is a specialized vacuum drying oven designed for HMDS (Hexamethyldisilazane) pretreatment in semiconductor wafer processing.

It automates key steps such as vacuum pumping, nitrogen purging, and vacuum holding, ensuring precise and repeatable HMDS coating processes for photolithography applications.



Features

- > **Semiconductor-Specific HMDS Process Automation** with vacuum capability up to 100 Pa
- > **Programmable Control System** for precise management of heating, vacuum, nitrogen purge, and timing parameters
- > **316 Stainless Steel Chamber** offering superior corrosion resistance and durability
- > **Chamber Heating System** with no internal electronic components, ensuring contamination-free operation
- > **Double-Layer Tempered Glass Door** for clear visibility of the workspace
- > **Adjustable Silicone Rubber Seal** ensuring high vacuum integrity
- > **Standard Over-Temperature Protection** for enhanced operational safety

- > **Standard Digital Vacuum Display** for precise real-time monitoring
- > **Fully Integrated Plug-and-Play Design** includes a built-in low-noise professional vacuum pump and desiccant tank for immediate operation
- > **RS485 Communication Interface** for remote monitoring and control

Options

304 Stainless Steel Exterior Casing

Model	VOS250-60L-HMDS	VOS250-90L-HMD
Temp. Range	RT+10°C ~ 250°C	RT+10°C ~ 250°C
Environment Temp.	+5°C ~ 40°C	+5°C ~ 40°C
Display Resolution	0.1°C	0.1°C
Temp. Fluctuation	±1°C	±1°C
Ultimate Vacuum	100 Pa	100 Pa
Vacuum Display	Electronic type	Electronic type
Chamber Material	316 Stainless Steel	316 Stainless Steel
Chamber Volume	64 L 2.26 cu ft	91 L 3.21 cu ft
Shelves	2 pcs	2 pcs
Heating Method	Chamber Heating	Chamber Heating
Inner Dimensions (WxDxH, mm)	400×400×400	450×450×450
Outer Dimensions (WxDxH, mm)	600×570×1390	610×590×1350
Power Input	3000 W	3500 W
Power Supply	AC220V 50Hz	AC220V 50Hz

*Note: Performance data measured under no-load conditions at 20°C ambient temperature and 50% RH.

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