

CVO-5

Vacuum Oven

4.5 CUBIC FEET (127 LITERS)



CVO-5

VACUUM OVEN

Cascade Science's CVO-5 Vacuum Oven offers incredible temperature stability for vacuum drying and purging of pharmaceuticals, botanicals, slurries, or any temperature-sensitive material.

This vacuum oven liberates solvents, water, and other unwanted compounds. It's ideal for small batch, R&D and laboratory environments.

SYSTEM HIGHLIGHTS

- Exceptional Temperature Control & Stability
- Touchscreen Smart Controller
- Independent Overtemp Failsafe Protection
- Equipped for Inert Gas Back fill. Built-In Safety Relief
- Flexible Pumping/ Feedthru Connection Ports
- Ergonomically Designed, Easy Quarter-Turn Valves



NRTL CERTIFIED

CVO-5 Vacuum Oven

The Cascade Difference

- NRTL Certified by TUV
- 5 each adjustable shelves
- Stable temperature control.
- Digital temperature readout with temp sensor INSIDE the oven
- Bright LED lights in window for visibility of sensitive material
- Touchscreen LED Control Panel with adjustable settings
- Smooth, quarter-turn vacuum and vent valves
- Energize vacuum pump from control panel
- Rear KF-25 port allows for rapid MAXEVAP purging or running feedthroughs inside oven for monitoring
- 120V or 220V power options are available
- Stainless Steel option available
- Quality Tempered Rated Glass NGI-US to ANSI Z97.1.2007 156CFR/201.11 SGCC -2577 1/2 UA
- Adjustable leveling feet insure your unit sits solid and level in the workspace
- Made in USA



Need A Complete CVO-5 Vacuum Package?
Take the guesswork out of pairing the right vacuum oven with the proper pump. We offer a complete CVO-5 vacuum oven package with everything you need for vacuum drying.



Temperature Range Ambient +26°F to 302°F / Ambient +14.4°C to 150°C.

Uniformity	@ 40°C +/- 1.4°C	@ 105°F +/- 2.5°F
	@ 90°C +/- 4.2°C	@ 200°F +/- 7.5°F
	@ 150°C +/- 8.9°C	@ 300°F +/- 16.0°F

Capacity **4.5 Cubic Feet (127 Liters)**

Interior Dimensions	18"W x 24"D x 18"H 457mm x 609mm x 457mm
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Shelving (Aluminum)	5 Removable, Adjustable (8 Max.) Surface Area: 18"W x 24"D Weight Capacity: 225 lbs Total (22.7Kg) *Stainless Steel Optional
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Vacuum Connections (Rear)

Vacuum Line	3/8" (9.5mm) Barb
Vent & Inert Gas	1/4" (6mm) Barb
Access Port	KF-25 for Feedthrus or MAXEVAP Connection

**Pump and Connections sold seperately, Inquire about Turnkey Packages*

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Temperature Performance Under Vacuum

Stability	@ 40°C +/- 0.2°C	@ 105°F +/- 0.3°F
	@ 90°C +/- 0.2°C	@ 200°F +/- 0.3°F
	@ 150°C +/- 0.2°C	@ 300°F +/- 0.3°F
Heat Up from 25°C (77°F) to Stabilization	To 40.5°C (105°F) 60 minutes	To 93.3°C (200°F) 126 minutes
	To 150°C (302°F) 180 minutes	
Cool Down	From 150°C (302°F) 345 minutes	

**Temperature specifications are performed in empty ovens. Performance will vary in ovens containing product, and ambient lab conditions.*

Facilities

Power (50/60Hz)	120V / 1PH / 14 AMPS 220V / 1PH / 7 AMPS
Plug/Outlet	120V - NEMA 5-1 5R 220V - NEMA 6-1 5R (Power Cord Included)
BTU @ Full Power	120V - 1105 BTU/hr 220V - 1228 BTU/hr
Unit Weight	360 lbs (163.3 kg)
Shipping	449 lbs (204 kg)

**Ongoing product changes & improvements may not appear in this spec sheet.*

Compliance

NRTL Certification #U8 170464972 077. No Extra cost.

CAN/CSA-C22.2 No. 61010-1:2012
+UPD No. 1:2015-07 + UPD No. 2:2016-04
CAN/CSA-C22.2 No. 61010-2-010:2015
UL 61010-1:2012/R:2016-04
UL 61010-2-010:2015
EN 61010-1:2010
EN 61010-2-010:2014

**Rigorous Quality Assurance in an ISO Certified, USA Manufacturing Facility
ANSI Rated Tempered Glass + USA Made Steel**

Exterior Dimensions



**18"W x 24"D x 18"H
457mm x 609mm x 457mm**

