

CVO Series Vacuum Ovens



By AGRIFY

CVO-2 VACUUM OVEN



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1.47 CUBIC FEET (47.2 LITERS)

FEATURES

- 5 shelves (11.5"W x 19"D) in a flexible configuration.
- Stack-able and removable
- Stable temperature control. Digital temperature readout with temp sensor INSIDE the oven
- Bright LED lights in window for visibility of sensitive material
- Digital vacuum gauge reports in wide variety of measurement units
- Simple, set-point control
- Smooth, quarter-turn vacuum and vent valves
- Rear KF-25 port allows for rapid MAXEVAP purging or running feedthroughs inside oven for monitoring
- 120V (220V available)
- Quality Tempered Rated Glass NGI-US to ANSI Z97.1.2007 156CFR/201 11 SGCC -2577 ½ UA
- Adjustable leveling feet ensure oven sits solid and level in the workspace

Model CVO-2 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 in small batch, R&D and lab environments. NRTL Certified.

Operating Range: Ambient +10°C to 150°C
(Ambient +18°F to 300°F)

Benchtop Size: 12"W x 20"D x 12"H



CVO-5 VACUUM OVEN



4.5 CUBIC FEET (127 LITERS)

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FEATURES

- 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 ½ UA
- Adjustable leveling feet insure your unit sits solid and level in the workspace
- Made in USA

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.

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

Oven Exterior Size: 25" W x 33.1" D x 33.1"H



CVO-10 VACUUM OVEN



9.3 CUBIC FEET (263 LITERS)

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FEATURES

- 9 sliding, removable shelves that pull out and stay in place for easy load/unload
- Stable temperature control. Digital temperature readout with temp sensor INSIDE the oven
- Easy mobility as oven sits on heavy duty industrial cart. Pump sits underneath at base of cart
- Silicone Door Gasket
- Bright LED lights in window for visibility of sensitive material
- Digital vacuum gauge reads in inches of mercury or torr
- Smooth, quarter-turn vent valve
- Oven to pump connection: Rear KF-25 line, valve
- 220V / 1ph / 10AMPS plugs into NEMA 16-5R outlet
- Quality Tempered Rated Glass NGI-US to ANSI Z97.1.2007 156CFR/201 11 SGCC -2577 ½ UA
- Ergonomic. Turn vacuum pump on/off from oven control panel
- Fast Venting with larger ½" diameter vent line. Allows for nitrogen or other inert gas connection
- Touch Panel LED control screen with user settable features (torr, mtorr, Hg, Fahrenheit, Celsius)
- Walls lined with heat conductive copper for improved temp transfer. Known antimicrobial properties can prevent bacteria buildup

A high production, large vacuum oven for low temp vacuum purging of sensitive materials.

Model CVO-10 offers incredible temperature stability for vacuum drying and purging of pharmaceuticals, botanicals, and slurries – especially temperature sensitive material.

This vacuum oven liberates solvents, water, and other unwanted compounds. It's ideal for large batch production environments.

Operating Range: Ambient +26° to 302°F /
Ambient +14.4°C to 150°C

Oven Exterior Size: 42" W x 40" D x 67.4"H



CVO Series Vacuum Ovens



By AGRIFY

CVO-5 Double Up VACUUM OVEN



4.5 CUBIC FEET (127 LITERS) (x2)

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FEATURES

- All Features of the CVO-5
Agilent IDP15 Oil-Free Scroll Pump Features
9 CFM pumping speed
Quiet. Less noisy than diaphragm or oil-rotary vane pumps
No Inlet / Exhaust Filters Required
Hour Meter For Tracking Service Intervals
1 Year Warranty
NRTL Certified /Made in USA
Expert Rebuild/Maintenance Available
Maintenance is the replacement of a single interior tip seal.
Order our IDP15 Tip Seal Replacement Kit or ask us about our maintenance service.
Pull Deeper Vacuum / Better Vapor Tolerance With Gas Ballast Positions. The IDP15 has two gas ballast ports that assist the pump in handling condensing gases such as water vapor, or other gaseous products that become liquids or solvents when reaching atmospheric pressure.

Cascade's CVO-5 DOUBLE UP Vacuum Package is ideal for large volume production with the flexibility of small batch management. These packages were specifically engineered to cater to a wide range of capacity requirements. Whether you have small-scale experiments or larger projects, our versatile packages are designed to accommodate your specific needs.

CVO-5 DOUBLE-UP Package Includes:

- Two Cascade Sciences CVO-5 Vacuum Oven
- Heavy-Duty Industrial Mobile Cart
- 10 removable, height adjustable aluminum shelves
- Cascade's MAX EVAP Connection Kit
- Agilent IDP15 Oil-Free Vacuum Pump, 9cfm

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

Oven Exterior Size: 25" W x 33.1" D x 33.1"H



CVO-5 Double Up With MAXTRAP50 or MAXTRAP105



4.5 CUBIC FEET (127 LITERS) (x2)

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FEATURES

- All Features of the CVO-5 DOUBLE UP Package
MAXTRAP -50°C/-105°C Cold Trap
Cascade's COLDWELL 304 Stainless Steel Trap
3 Quart Capacity
Viton Gasket
Labconco -50°C/-105°C Refrigerated Base
Green CFC / HFC Free Refrigerants
KF-25 Inlet/Outlet, Connection Line & Hardware
3mm Neoprene Insulator Cap
Requires 800ml (~ 3.5 cups) of a transfer fluid such as ethanol. Not Included.
Quality Made in USA
NRTL Certified
POWER:
115V / 1ph / 3 AMP (60Hz)
Cord Included
CFC / HCFC Free Refrigerants
DIMENSIONS:
13.5" W x 23.5" D x 12.0" H
WEIGHT:
COLDWELL Stainless Trap 14 lbs
Thermo Mechanical Base 60 lbs
Shipping Weight 95 lbs
INCLUDED CONNECTIONS:
1 each 4' KF-25 flanged vacuum rated line
1 each KF-25 Centering Ring
1 each KF-25 Clamp

Cascade Science's CVO-5 DOUBLE UP Vacuum Package with MAXTRAP offers incredible temperature stability for vacuum drying and purging of pharmaceuticals, botanicals, slurries – especially temperature sensitive material. This vacuum oven will liberate solvents, water or other unwanted compounds in large batch production environments. Cascade's MAXTRAP Cold Traps extend vacuum pump life by trapping excess moisture and volatiles during vacuum drying or purging.

CVO-5 DOUBLE-UP Package with MAXTRAP50 or MAXTRAP105 Includes:

- Two Cascade Sciences CVO-5 Vacuum Oven
- Heavy-Duty Industrial Mobile Cart
- 10 removable, height adjustable aluminum shelves
- Cascade's MAX EVAP Connection Kit
- MAXTRAP50 Vacuum Cold Trap (-50°C) or MAXTRAP105 Vacuum Cold Trap (-105°C)
- Agilent IDP15 Oil-Free Vacuum Pump, 9cfm



CDO Series Dry & Decarb Ovens



By AGRIFY

CDO-5 DRY & DECARB OVEN



4.9 CUBIC FEET (138 LITERS)

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FEATURES

Built-in Humidity Sensor assists in monitoring dryness
Adjustable stainless steel shelves – 2 each
NRTL Certification
2 each FDA temp-rated fine micron mesh bags for ground material

Temperature Range: +2°C (36°F) above room temp to 180°C (350°F)
Temp Stability: +/- 0.4 °F
Temp Uniformity @ 40°C (100°F): +/- .5°C (1°F)
Temp Uniformity @ 115°C (240°F): +/- 1°C (1.5°F)
Temp Uniformity @ 150°C (305°F): +/- 2°C (3°F)
Heat up / Stabilization Time from 25°C (77°F) to 115°C (240°F): 40 min
Airflow Exchanges: 220 per hour @ 80°C (176°F)
Linear Shelf Space Airflow: 145 Feet Per Min (44 Liters Per Min)
Air Intake: Adjustable side vents.
Air Exhaust: Adjustable. Top 2.75" Dia
Exhaust Airflow @ 80°C (176°F): 18.5 Feet Per Min (523.9 Liters Per Min)

Mesh Bags

Mesh bags are required to prevent oven contamination and ground material loss
Comes with 2 Temp Rated Mesh Bags
Polypropylene (PP)
Melt Temperature: 161°C (363°F)
Softening Point: 152°C (305°F)
Heat Deflection Temperature: 90°C (194°F)
Glass Transition Temperature: 0°C (32°F)

This powerful benchtop forced-air laboratory oven uses heated air to remove unwanted compounds from products that are not temperature-sensitive.

Our ovens feature horizontal airflow that enables more consistent distribution of air. They are designed to have uniform temperatures and airflow across the shelf space from right to left. The CDO-5 includes a built-in humidity sensor and fine micron mesh bags for drying or decarboxylating powders or ground material..

Oven Exterior Size: 34.1" x 28.1" x 38.75"
120V standard (220V option)



CDO-28 DRY & DECARB OVEN



28 CUBIC FEET (793 LITERS)

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FEATURES

Digital set-point control, timer and overtemp failsafe protection
Humidity sensor displays relative humidity levels during process
Includes 6 sliding, extend and stay in place shelves for ease of loading. Stainless Steel.
Includes 6 temp-rated, fine micron mesh bags for easy loading & uniform drying of messy powders, ground up or turbulent materials
Fast heat-up: 24 Minutes to 149°C (300°F) / Uniformity: +/- 2°C (3.5°F)
Stainless steel interior / Food lab grade construction.
301 SST Shelves
Triple wall construction meets CE, UL and TUV requirements to keep work-spaces cool.

Temperature Range: 2.2°C (36°F) above room temp to 148°C (300°F)
Temp Stability: +/- 2°C (+/-3.5°F)
Temp Recovery @ 240°F *Load Dependent*
Door Open 30 Seconds: 3 min to stabilize
Door Open 60 Seconds: 5 min to stabilize

Linear Shelf Space Airflow: 17.1 cubic ft per min
Air Intake Adjustable. Top 2.75" Diameter
Air Exhaust Adjustable. Top 2.75" Diameter
Shelving Comes with 6 each. Height adjustable
Surface Area: 31"W x 23"D (787mm x 584mm)
Weight Capacity: 75 lbs (34 kg)

Mesh Bags

Mesh bags are required to prevent oven contamination and ground material loss
Comes with 2 Temp Rated Mesh Bags
Polypropylene (PP)
Melt Temperature: 161°C (363°F)
Softening Point: 152°C (305°F)
Heat Deflection Temperature: 90°C (194°F)
Glass Transition Temperature: 0°C (32°F)

This powerful, large capacity forced air laboratory oven IS best-in-class for removing moisture and decarboxylation of organic plant material. The uniform temperatures, horizontal, forced-air convection, and built-in humidity sensor make the CDO-28 oven highly effective for a wide range of drying, curing, and decarb applications.

Oven Exterior Size: 43"W x 85.5"H x 34.3"D
230V – 240V / 1ph / 26AMP



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