

# DRY & DECARB OVENS

Decarboxylate Biomass / Organic Material



CDO-5 BENCHTOP OVEN



CDO-28 INDUSTRIAL OVEN

Cascade Sciences' Decarb Ovens are 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 ovens highly effective for a wide range of drying, curing, and decarb applications.

## FEATURES

- Automatic Operation with Easy Timer
- Overtemp Protection
- Humidity sensor displays relative humidity levels during process
- Forced-Air convection drying; the airflow moves uniformly across the shelf space from right to left
- Stable heat up times
- CDO-5 includes 2 adjustable shelves; CDO-28 includes 6 stay in place sliding extension shelves
- FDA compliant polypropylene mesh bags to hold biomass material; 2 bags per CDO-5, 6 bags per CDO-28
- Food and laboratory-grade construction with stainless steel interior
- Triple wall construction meets CE, UL, and TUV requirements
- Quality made in Oregon, USA
- **N2 Purge Kit & Stainless Steel Exterior Options Available!**

**NRTL CERTIFIED**

**1-YEAR WARRANTY**

**NOTE: Mesh Bags are REQUIRED to prevent oven contamination and ground material loss.**

**SHORT LEAD TIMES**  
GET IN BUSINESS FASTER!

**KEEP IT CLEAN!**  
MESH BAGS TO HOLD POWDERS  
AND GROUND MATERIAL

## GO STAINLESS!

CDO-28 is available with a  
Stainless Steel Exterior  
Item No: CDO-28-SS



**AVAILABLE WITH**  
**NITROGEN PURGE!**  
Item No: CDO-28-SS-N2

**503-847-9047**  
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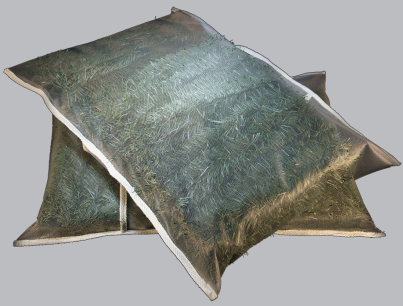
**VISIT OUR SHOWROOM!**  
6725 NE Evergreen Pkwy, Ste 106  
Hillsboro, OR 97124

### NRTL CERTIFICATION

CAN/CSA-C22.2 No. 61010-1:2012  
+UPD No. 1:201-07 + UPD No. 2:2016-04  
CAN/CSA-C22.2 No. 61010-2-010:2015  
UL 61101-1:2012/R:2016-04  
UL 61010-2-010:2015  
EN 61010-1:2015  
EN 61010-2-010:2014



**Mesh Bags are REQUIRED to prevent oven contamination and ground material loss.**



#### MESH BAGS:

Bi-Planar Mesh extruded from FDA compliant polypropylene, 30 stands per inch.

#### CDO-5 MESH BAG DIMENSIONS:

Width: 20.5"  
Length: 15.5"

#### CDO-28 MESH BAG DIMENSIONS:

Width: 27.5"  
Length: 21.5"

**CAPACITY:** Approx 3-6 lbs of medium ground material.

#### TEMPERATURE:

Melt Temp: 161°C (363°F)  
Softening Point: 152°C (305°F)  
Heat Deflection Temp: 90°C (194°F)

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# SPECIFICATIONS

|   | CDO-5 BENCHTOP                                  | CDO-28 INDUSTRIAL                           |
|---|---|---|
| <b>CAPACITY</b>                         |   |   |
| <b>Volume:</b>                          | 4.9 Cubic Ft (138 Liters)                       | 28 Cubic Ft (792 Liters)                    |
| <b>Interior:</b>                        | 21" W x 19.4" D x 20.7" H                       | 31.7" W x 26" D x 60.9" H                   |
| <b>Exterior:</b>                        | 34.1" W x 28.1" D x 38.78"                      | 42.5" W x 34.1" D x 85.9" H                 |
| <b>Access Port:</b>                     | 2.75" Diameter (Rear)                           | 2.75" Diameter (Rear)                       |
| <b>SHELVING</b>                         |   |   |
|   | 2 Each: Adjustable                              | 6 Each: Adjust. Extension Sliders           |
| <b>Maximum:</b>                         | 5 Shelves                                       | 16 Shelves                                  |
| <b>Surface Area:</b>                    | 20.75" W x 19" D                                | 31.1" W x 23.9" D                           |
| <b>Weight Capacity:</b>                 | 50 lbs Per Shelf                                | 75 lbs Per Shelf                            |
| <b>Mesh Bags:</b>                       | 2 Included - 20.5"W x 15.5"D                    | 6 Included - 27.5"W x 21.5"D                |
| <b>TEMPERATURES</b>                     |   |   |
| <b>Heat Up Time From 77°F to 240°F:</b> | 40 Minutes                                      | 22 Minutes                                  |
| <b>Range:</b>                           | Ambient +26°F to 300°F                          | Ambient +26°F to 300°F                      |
| <b>Uniformity at 240°F:</b>             | ±1.3°F  | ±3.6°F                                      |
| <b>Stability:</b>                       | ±0.4°F  | ±0.4°F                                      |
| <b>AIRFLOW</b>                          |   |   |
| <b>Air Exchanges:</b>                   | 220 Per Hour (@176°F)                           | 125 Per Minute                              |
| <b>Exhaust Air Flow:</b>                | 18.5 Cu. Ft. Per Min. (44°C)                    | 17.3 Cu. Ft. Per Minute (490L)              |
| <b>FACILITIES</b>                       |   |   |
| <b>Power:</b>                           | 110-120V / 1ph / 14A / 50/60Hz (220V Available) | 220V - 240V / 1ph / 26A / 50/60Hz (208V ok) |
| <b>Cord Type:</b>                       | 110V - 120V NEMA 5-15R                          | None, must be hardwired                     |
| <b>Air Intake (Adjustable):</b>         | Side Vents                                      | Top 2.75" Diameter                          |
| <b>Air Exhaust (Adjustable):</b>        | Top 2.75" Diameter                              | Top 2.75" Diameter                          |
| <b>Recommended Clearance:</b>           | 12 - 24" All Sides                              | 12 - 24" All Sides                          |
| <b>WEIGHT</b>                           |   |   |
| <b>Unit Weight:</b>                     | 208 lbs (94.3 kg)                               | 565 lbs (256 kg)                            |
| <b>Shipping:</b>                        | 258 lbs (117 kg)                                | 694 lbs (315 kg)                            |

