

Selection
guide

Drying Chamber DC-280

Bench-top Desiccator optimized for Vacuum drying and Freeze drying. Promotes drying by heating sample with Built-in Heater on each shelf in addition to decompression.

Freeze dryer (Lyophilizer) "Freeze Dryer VD-250R/550R/800R" --> P.156 Vacuum Pumps --> P.151



Model	DC-280
Number of Shelves/ Size	Three shelves (aluminum made), 258 x 250 mm
Heater	on the back of each shelf, can be turned ON/OFF by each shelf Shelf surface approx. 30°C when ON turned (under reduced pressure)
Vacuum gauge	Bourdon tube Vacuum gauge
Suction nozzle outer dia.	φ14mm
Vacuum release	Manually operated, by outer dia. φ9 mm Needle valve (gas purge combined use)
Outlet inside chamber	Max. AC100V/3A
Dimensions	430(W) x 400(D) x 615(H)mm
Weight	Approx. 21kg
Power supply	AC100V/3A (Main unit only) AC100V/7A (at Max. use of outlet for interlocking)
Standard accessories	3 x Acrylic shelf without heater

•Use a vacuum pump with displacement 50 to 100l/min. It might be distorted or broken if use a pump that is larger than 100l/min. Suction work slowly using valve. Vacuum pumps are listed on 151 page.

Combined with Freeze Dryer/Lyophilizer (VD series)

Enables to put the trapping for plural dryers together into one by using "Freeze Dryer VD-250R/550R/800R" (See page 156) with Multiple tubes mounted as a cold trap. Although each dryer is switched and used while not used simultaneously the number of Multiple tubes and dryers such as DC-280 can be connected (Max. 8 ports in Multiple tubes of VD series). VD-250R and DC-280 2-port multiple tubes (MP-020) in combination shown in right for reference. DC-280 is connected to Multiple tubes with vacuum hose.



DC-280 (Vacuum dryer)

VD-250R (Freeze Dryer --> P.156)

MP-020 (2-port multiple tubes --> P.157)

GCD-051XA (Oil-sealed Rotary pump --> P.151)

System stand (C-type --> P.151)

Features

- Easily Vacuum drying by connecting vacuum pump
- Be a Freeze drying chamber by connecting it to Lyophilizer
- Equipped with Outlet inside chamber and Leak nozzle

Applications

- Drying of Biological samples
- Drying of Testing samples such as Foods etc.
- As a Storage for reagents and samples weak to moisture

Built-in Heater on each shelf promotes Drying efficiency.

Enables valued samples dried efficiently. It can be turned ON/OFF by each shelf (cannot be changed during decompression). Effective to use thin and wide containers such as Petri dishes to dry paste samples.

Easy to store wide thin containers that raise drying efficiency.

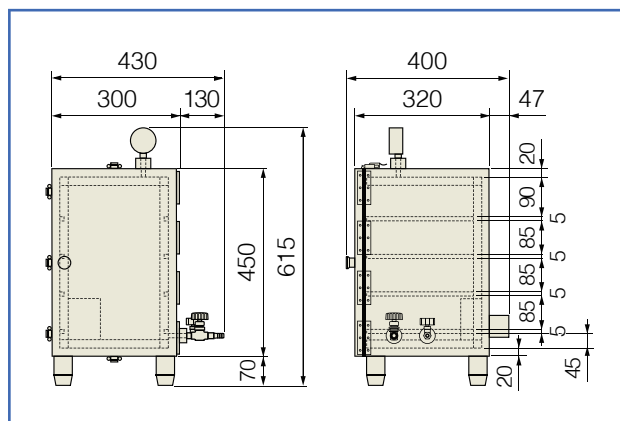
AS back side of each large shelf Heater provided, promotes the drying efficiency thanks to the large surface area of heating.

Outlet inside chamber and Two nozzles

Equipped with Outlet inside chamber and Two nozzles (for suction and leak/gas purge combined use). Suction and Gas replacement can be done delicately from here.



Dimensions



Constant temperature incubator/shaker
 CO₂ incubator/shaker
 Shaker
 Mixer
 Rotator
 Stirrer
 Bead beater
 Ultrasonic homogenizer
 Aluminum block bath
 Minimize bath
 Water bath
 Shaking water bath
 Immersion cooler
 Hybridation oven
 Constant temperature chamber
 Centrifugal concentrator
 Cold trap
 Freeze dryer
 Electrophoresis and Blotting apparatus
 Constant temperature water circulating system [Chiller]

Appendix