

Drying oven, transparent, B-585



- Single convertible platform for drying, freeze drying, sublimation and distillation
- Working angle can be easily adjusted from 0° to 90°
- Excellent vacuum holding capability
- Inert gas venting port
- No cross-contamination of samples

Utilises the same platform as the B-585 Kugelrohr distillation oven. The oven assembly is designed to allow the user to observe a sample during the distillation/drying procedure. Comprises two borosilicate glass tubes. The inner is coated with a completely transparent, electrically conductive layer which allows the inside of the oven to be heated directly in a fast and controllable manner. A safety circuit monitors the internal oven temperature to prevent overheating and a protective wire screen prevents any accidental contact with the outside of the oven. The oven temperature is measured by an integral probe and indicated on the display. Additionally, the B-585 can also communicate with the Büchi V-500 vacuum pump series and can turn the pump on or off as desired.

For drying applications no rotating drive unit is employed. The unit can be used either as a standard drying oven, or can be connected to a suitable vacuum source to become a very economical vacuum oven. The drying pistol can accommodate suitable desiccant material in the bulbous end to assist drying if required.

The unit can also be converted into a sublimation oven or a miniature freeze dryer using the appropriate accessories. For freeze drying applications it is recommended that a vacuum pump capable of pulling an ultimate vacuum of less than 2mbar is used (N.B. the V-500 has an ultimate vacuum of 10mBar). The B-585 drying oven comprises base unit with oven and drying accessory.



Technical Specification

Volume, mL	100 to 250 (drying)
Temperature range, °C	40 to 300
Temperature accuracy, °C	±5 in centre of oven at 300°C
Heating time, min	10 from 40°C to 300°C (differs for undervoltage)
Programming capacity	10 programmes each comprising up to 3 time and temperature segments and manual mode
Operating conditions, °C	5 to 40
Dimensions [w x d x h], mm	410 x 300 x 300
Mass, kg	6.8
Electrical supply	100-230V 50/60Hz

Catalogue No	Legacy No	Description
12894942	-	Drying oven, B-585

Accessories and spare parts

Catalogue No	Legacy No	Description
12804952	-	Ball tube (Kugelrohr) conversion kit with rotary drive
12898333	-	Ball tube with 2 bulbs, NS 14.5/23 joints, 40mL capacity
12808343	-	Ball tube with 3 bulbs, NS 14.5/23 joints, 20mL capacity
12818343	-	Ball tube with 4 bulbs, NS 14.5/23 joints, 10mL capacity
12828343	-	Replacement cooling device
12844952	-	Communication cable, B-585 to V-500

Conversion accessories

Catalogue No	Legacy No	Description
12858333	-	Drying accessory
12868333	-	Sublimation accessory
12824952	-	Condenser with receiving flask for freeze drying accessory
12834952	-	Cold trap with receiving flask for freeze drying accessory

For the Fisherbrand® SpillTray™ and drying rack, please visit our website.



FINDING THE PRODUCTS YOU NEED

Insulating tape, PVC

Adhesive, 19mm x 0.2mm. Adheres to glass, metal, paper, plastic and wood. 10m reel.

Catalogue No	Legacy No	Colour	Pack qty
12311419	-	Black	8
10527254	-	Blue	8
10316594	-	Red	8

