



## Glass Oven B-585

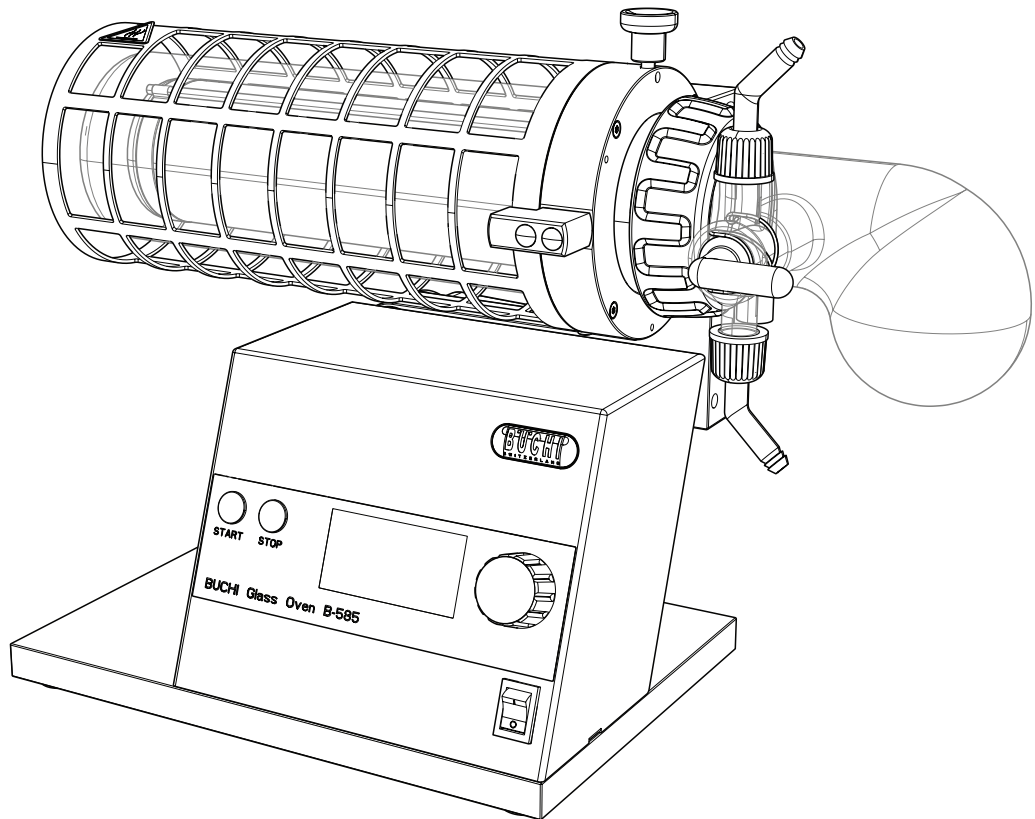
### Technical data sheet

With the unique electrically conductive glass tube coating, the Glass Oven B-585 offers visibility of your sample at any time. The whole length of the oven tube heats up to a maximum of 300 °C. Signs of thermal degradation are easily visible as the process can be seen at any time. The oven is equipped with a graphic display capable of manual and programmable modes. It features programmable 3 step temperature / time control setting options.

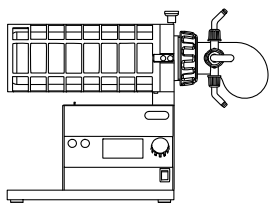


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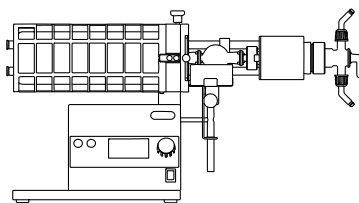


## Overview



### Glass Oven B-585 Drying

The Glass Oven B-585 Drying is suited for the removal of residual solvents at high temperatures. The process can be further accelerated by optionally applying vacuum. An adjustable angle of up to 90 ° allows for larger sample volumes.



### Glass Oven B-585 Kugelrohr

The Glass Oven B-585 Kugelrohr is suited for the fractionated distillation of small amounts of solvents. Optional accessories allow for further applications such as sublimation or freeze drying.

## Scope of delivery

The Glass Oven B-585 is available in two different versions, either as “Drying” or “Kugelrohr”.

### Components

### B-585

Glass Oven B-585 main unit	1
Drying option or Kugelrohr option (depends on the ordered version)	1
Power cord	1
Operation manual	1

## Order code

Choose the configuration according to your needs:

**0 4 6 6 0 0**

Glass Oven B-585 Drying (100 – 230 V)

**0 4 6 7 2 0**

Glass Oven B-585 Drying (100 V)

**0 4 6 6 0 1**

Glass Oven B-585 Kugelrohr (100 – 230 V)

**0 4 6 7 2 1**

Glass Oven B-585 Kugelrohr (100 V)

## Technical data

### Glass oven

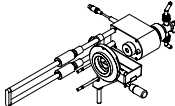
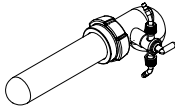
Specification	B-585 Drying	B-585 Kugelrohr
Dimensions (W x D x H)	410 x 300 x 300 mm	650 x 300 x 300 mm
Weight	9.5 kg	11.5 kg
Drying volume	100 – 250 mL	5 – 40 mL
Adjustable angle	0 – 90 °	–
Rotation speed	–	0 – 50 rpm
Connection voltage	100 V – 230 V ± 15 %	100 V – 230 V ± 15 %
Frequency	50 / 60 Hz	50 / 60 Hz
Power consumption	max. 450 W	max. 450 W
Warm-up time (from 20 to 300 °C)	approx. 10 min.	approx. 10 min.
Temperature regulation range	40 – 300 °C	40 – 300 °C
Temperature precision (in center of the oven at 300 °C)	± 5 °C	± 5 °C
Temperature display	steps of 1 °C	steps of 1 °C
Programmable gradient steps	3	3
Available languages of the program	en, es, de, it, fr, ja	en, es, de, it, fr, ja
Vacuum pump connection (ON/OFF)	Yes	Yes
Approvals	CE / CSA	CE / CSA

### Exemplary solution

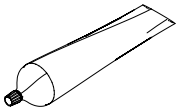
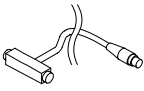


The following items are listed based on the solution «Glass Oven All in One».

	Order no.
Interface I-100, Vacuum Pump V-100 incl. Woulff bottle	11V100110

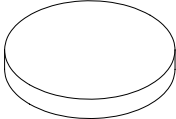
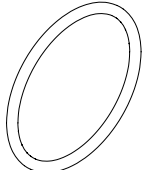
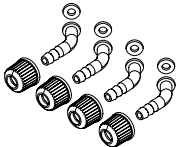
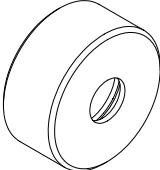
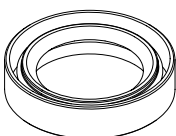
### Accessories

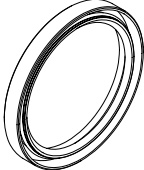
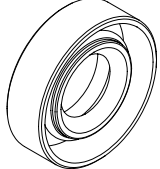
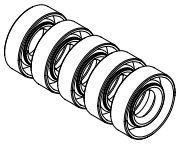
	Order no.	Image
Kugelrohr conversion kit. Incl. cooling unit, suction angle, drive Complete ball tube drive for converting to a ball tube distillation oven (Kugelrohr) incl. cooling device.	046617	
Drying accessory. Glass, incl. stopcock, flange ring, O-ring For converting to the drying model. For sample volumes of 100 to 250 mL.	037010	

	Order no.	Image
Freeze drying accessory. Glass, incl. glass tube, screw cap, O-ring For freeze drying applications. Meant to be used with the drying accessory and either a condenser or cold trap.	046710	
Sublimation accessory. Glass, incl. stopcock, flange ring, O-ring For conversion to the sublimation configuration.	037133	
Rotation drying flask. Glass, 30 mL, SJ14/23 Content: Drying flask, vapor duct, clip	037143	
Ball tube. Glass, 10 mL (4 pcs), SJ14/23 Content: Ball tubes, Vapor duct, clips	037118	
Ball tube. Glass, 20 mL (3 pcs), SJ14/23 Content: Ball tubes, Vapor duct, clips	037107	
Ball tube. Glass, 40 mL (2 pcs), SJ14/23 Content: Ball tubes, Vapor duct, clips	037117	
Condenser V. Vertical condenser, 1500 cm <sup>2</sup> For distillations and freeze drying application. Used with recirculating chiller or tap water. Content: 250 mL receiving flask, ball joint clamp, vacuum connection (P+G).	046711	
Condenser C. Cold trap, 500 cm <sup>2</sup> For freeze drying application and for distillations of low-boiling point solvents. Content: 250 mL receiving flask, ball joint clamp, vacuum connection (P+G).	046712	
Cooling unit. Incl. cooling device For substances with a low boiling point, to condense the vapor in the balls outside of the oven area. Cooling device can be filled with e.g. ice-water or dry ice.	046616	

	Order no.	Image
Lab grease. Glisseal 40 (60 g) To grease joints in order to increase tightness of system.	048197	
Communication cable. Mini-DIN, 1.5 m Connection between glass oven and vacuum pump.	038010	
IQ/OQ. B-585 en	11057340	
OQ. B-585 en	11057341	

## Ware parts

	Order no.	Image
Sealing disc. EPDM, Ø36 mm, for closing cap (038691)	038679	
O-ring. NBR, Ø 50.4 mm	002797	
Hose barbs, set. 4 pcs, bent GL14, silicone seal Content: Hose barbs, cap nuts, seals	037287	
Cap nut. Ø 20/35 mm, black For ball tube drive (037013).	036824	
Vacuum gasket. Shaft seal ring, FKM, Ø 22/35 mm	000622	

	Order no.	Image
Vacuum gasket. Shaft seal ring, NBR, Ø 70/90 mm	001223	
Vacuum gasket. Shaft seal ring, NBR, Ø 10/24 mm	002862	
Vacuum gaskets, set. 5 pcs, shaft seal ring, FKM, Ø 10/24 mm	037288	

## Tubing

	Order no.
Tubing. Silicone, Ø6/9 mm, transparent, per m Use: Cooling media.	004133