

BINDER manufacturers ovens specific to your application in laboratory research and industrial product and component testing.

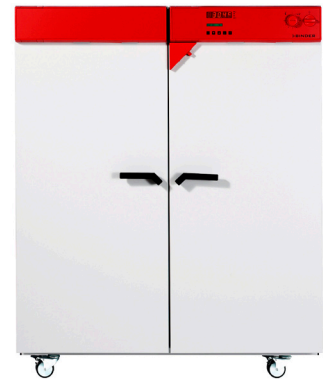
- ▶ Best built quality in the market
- ▶ Size ranges from 23 to 720 liter
- ▶ Simple controller functions from constant temperature for drying ovens to program functions and viewing windows for testing applications
- ▶ Excellent uniformity at high temperatures eliminates “sweet spot” locations within the oven
- ▶ User friendly and easy to operate all-digital PID controller technology



BINDER ED 53
Drying Oven with natural convection
53 liter model



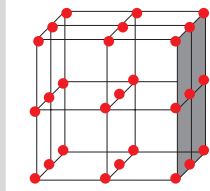
BINDER FD 240
Drying Oven with forced convection
240 liter model



BINDER FP 720
Programmable Drying Oven with forced convection
720 liter model

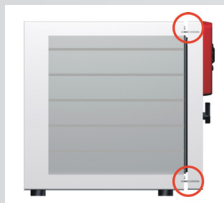
Superior performance by BINDER:

▶ Proof of temperature uniformity



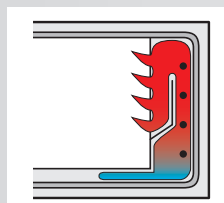
Documented according to DIN12880
27 point method

▶ Tight door seal reduces heat loss



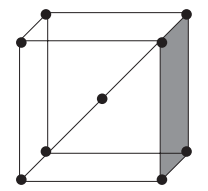
ensured by double mechanical door lock

▶ Excellent air flow characteristics

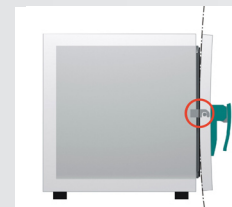


APT.Line™ improves temperature homogeneity and heat up dynamics

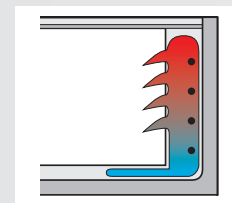
Conventional technology:



only 9 point with ASTM standard



conventional single door lock, leads to heat loss at higher temperature



air jacket causes uneven temperature distribution and extended heat up times

Oven Family Overview

Temperature Range 5 °C above ambient to 300 °C	230V 1 N 50/60 Hz			400 V 3 N 50/60 Hz			PID Controller Functions						Features & Options					
	Chamber Volume in liter						Constant Temperature	One Ramp	Delayed Off	Delayed On	Temperature-Dependent Delayed Off	Programmable	Fan	Com Interface	4 - 20 mA	Temperature Alarm	Access Port (mm)	Window in Door
	23	53	115	240	400	720												
-----stackable-----																		
ED Drying Oven with natural convection	ED 23	ED 53	ED 115	ED 240	ED 400	ED 720			0-99 hours					RS 422	Audio	10/30/50/100		
	Uniformity at 150° C	2.5	3.2	2.5	2.5	3.0	2.8											
	BINDER Part # without RS 422	9010-0190	9010-0078	9010-0096	-	-	-											
BINDER Part # with RS 422	9010-0191	9010-0079	9010-0097	9010-0101	9010-0075	9010-0076												
FD Drying Oven with forced convection	FD 23	FD 53	FD 115	FD 240					0-99 hours						Audio	10/30/50/100		
	Uniformity at 150° C	2.2	2.0	1.8	2.0													
	BINDER Part #	9010-0194	9010-0082	9010-0102	9010-0104													
FED Drying Oven with forced convection and timer	FED 53	FED 115	FED 240	FED 400	FED 720			99h : 59 min	99h : 59 min	99h : 59 min		adjust	RS 422	Audio	10/30/50/100			
	Uniformity at 150° C	2.0	1.8	2.0	2.5	2.0												
	BINDER Part #	9010-0210	9010-0212	9010-0214	9010-0216	9010-0218												
FP Programmable Drying Oven with forced conv.	FP 53	FP 115	FP 240	FP 400	FP 720			99h : 59 min	99h : 59 min	99h : 59 min	20 sections	program	RS 422	Audio Visible	10/30/50/100*			
	Uniformity at 150° C	2.0	1.8	2.0	2.5	2.0												
	BINDER Part #	9010-0153	9010-0255	9010-0263	9010-0265	9010-0267												

Special Drying Ovens by BINDER

► BINDER Vacuum Oven Series

- Vacuum drying oven for non-flammable solvents (VD)
- Safety vacuum drying oven for flammable solvents (VDL)
- VD | VDL 23
- VD | VDL 53
- VD | VDL 115

Temperature Range from 15 °C above ambient to 200 °C

► BINDER Safety Drying Oven Series

- Paint Drying Oven - FDL 115
 - Burn-In and Coating Oven - MDL 115
- Temperature Range from 5 °C above ambient to 300 °C
 Temperature Range from 5 °C above ambient to 350 °C

Your BINDER contact for more information:

BINDER GmbH
 Im Mittleren Ösch 5
 78532 Tuttlingen
 Germany

Phone: +49 (0) 74 62 / 20 05-0
 Fax: +49 (0) 74 62 / 20 05-100
 info@binder-world.com
www.binder-oven.com

