

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

- ▶ Best built quality in the market
- ▶ Size ranges from 0.7 cu.ft. to 25 cu.ft.
- ▶ 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-UL  
Drying Oven with gravity convection  
1.9 cu.ft. model



BINDER FD 240-UL  
Drying Oven with mechanical convection  
8.5 cu.ft. model

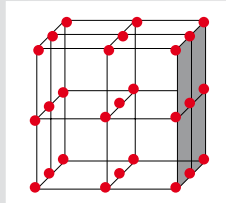


BINDER FP 720-UL  
Programmable Drying Oven with mechanical convection  
24.7 cu.ft. model

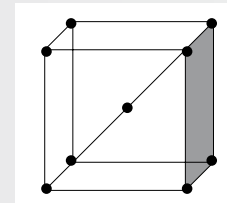
## Superior product technology by BINDER:

## Traditional technology:

▶ Uniformity specifications you can trust

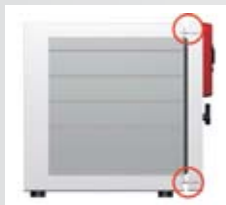


BINDER uses the 27 point DIN12880



Method using the 9 point ASTM standard

▶ Insulation does not stop at the door

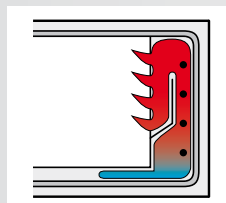


BINDER's double mechanical door lock maintains its integrity at higher temperatures

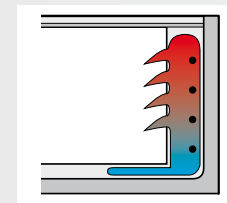


Traditional door locks flex at higher temperatures, adversely affecting uniformity

▶ Patented air jacket



BINDER's APT.Line™ produces optimal temperature uniformity and fast dynamics



Traditional air jacket performance will result in uneven temperature distribution and extended heat up times

# Oven Family Overview

Temperature Range 9 °F above ambient to 572 °F / 5 °C above ambient to 300 °C		120 V		208 V 3 Ø Y				PID Controller Functions						Features & Options					
		Chamber Volume in cu.ft.						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
		0.7	1.9	4.1	8.5	14.3	24.7												
		-----stackable-----																	
ED	Drying Oven with gravity convection	ED 23-UL	ED 53-UL	ED 115-UL	ED 240-UL	ED 400-UL	ED 720-UL			0-99 hours					RS 422		Audio	10/30/50	
	Uniformity at 150° C	2.5	3.2	2.5	2.5	3.0	2.8												
	BINDER Part # w/o RS 422	9010-0192	9010-0131	9010-0164	-	-	-												
	BINDER Part # with RS 422	9010-0193	9010-0132	9010-0165	9010-0167	9010-0168	9010-0169												
FD	Drying Oven with mechan. conv.	FD 23-UL	FD 53-UL	FD 115-UL	FD 240-UL					0-99 hours				adjust			Audio	10/30/50	
	Uniformity at 150° C	2.2	2.0	1.8	2.0														
	BINDER Part #	9010-0196	9010-0128	9010-0129	9010-0130														
FED	Drying Oven with mechan. conv. and timer	FED 53-UL	FED 115-UL	FED 240-UL	FED 400-UL	FED 720-UL			99h : 59 min	99h : 59 min	99h : 59 min		adjust	RS 422		Audio	10/30/50		
	Uniformity at 150° C		2.0	1.8	2.0	2.5	2.0												
	BINDER Part #		9010-0211	9010-0213	9010-0215	9010-0217	9010-0219												
FP	Programmable Drying Oven with mech.conv.	FP 53-UL	FP 115-UL	FP 240-UL	FP 400-UL	FP 720-UL			99h : 59 min	99h : 59 min	99h : 59 min	20 sections	program	RS 422		Audio Visible	10/30/50		
	Uniformity at 150° C		2.0	1.8	2.0	2.5	2.0												
	BINDER Part #		9010-0175	9010-0262	9010-0264	9010-0266	9010-0268												

## 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-UL - 0.7 cu.ft.
  - VD | VDL 53-UL - 1.9 cu.ft.
- Temperature Range from 15 °C above ambient to 200 °C

### ► BINDER Safety Drying Oven Series

- Paint Drying Oven - FDL 115 - 4.1 cu.ft.
- Temperature Range from 5 °C above ambient to 300 °C
- Burn-In and Coating Oven - MDL 115 - 4.1 cu.ft.
- Temperature Range from 5 °C above ambient to 350 °C

### Your BINDER contact for more information:

BINDER Inc.  
545-3 Johnson Ave  
Bohemia, NY 11716, USA  
Great River, NY 11739, USA

Phone: +1 631 224 4340  
Toll free: +1 866 885 9794  
Fax: +1 631 224 4354  
us-sales@binder-world.com

[www.binder-world.us](http://www.binder-world.us)

