

BINDER ED/FD/FED/FP Ovens



Controller Avantgarde.Line
shown with 4 GB USB stick



BINDER ED 56
2 cubic ft



BINDER FD 260
9 cubic ft



BINDER FP 720
25.4 cubic ft

The right oven for every application

► **Uniformity specification you can trust, even at high temperatures**

- 27 point DIN standard - more than the 9 point ASTM standard
- Eliminates "sweet spot" locations within the oven



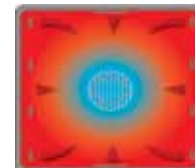
► **Insulation does not stop at the door**

- 2 inch insulation keeps exterior temperature safe to touch
- Double mechanical door lock maintains integrity at high temperatures while traditional door locks flex as the temperature increases

► **Patented air jacket**

Our Advanced Preheating Technology (APT.Line) provides

- Optimal temperature uniformity
- Faster recovery time



Avantgarde
Air Jacket



Classic
Forced Convection

► **Independent over temperature safety device with visual alarm**

► **Wide feature set available**

- Gravity convection + forced convection
- Programmable fan speed
- Programmable exhaust flap
- Standard routines from ramp to fully programmable profiles



Avantgarde
Air Flow



Classic
Air Flow

► **UL listed**

Best tool for drying, laboratory research and industrial product and component testing

- Sizes from 0.7 to 25.4 cubic feet
- Extensive options available



Access ports



Data logger



Door with heated
viewing window
and interior lighting



Sample
temperature sensor



Real time clock

Oven Family Overview

Y-Yes
N- No
ENET- Ethernet
O- Option
Prog- Program
Vis - Visual

							Controller							Features in blue & Options in green								
							Display	Timer	Ramp	Delayed Off	Delayed On	Temperature Dependent Delayed Off	Programmable	Adjustable Fan Speed	Digital Interface	4-20 mA	Data Collection	Temp. Alarm	Access Port,	Window in door Int. lighting	Sample Test Sensor	Gas Tight w/ Inert Gas
ED Drying Oven w natural convection	Stackable																					
		ED 23UL	ED 56UL	ED 115UL	ED 260UL	ED 400UL	ED 720UL															
	Interior Volume	0.7 cu.ft.	2 cu.ft.	4 cu.ft.	9 cu.ft.	14.1 cu.ft.	25.4 cu.ft.															
	Electrical	120V	120V	120V	208V & 240V	208V 3 phase	208V 3 phase															
	Temperature Range	Amb. +5°C to 300°C	Amb. +5°C to 300°C	Amb. +6°C to 300°C	Amb. +5°C to 300°C	Amb. +5°C to 300°C	Amb. +5°C to 300°C															
	Temp unif. at 150°C	±2.8°C	±2.5°C	±2.0°C	±2.0°C	±3.0°C	±3.6°C															
	Part # Classic w/o RS422	9010-0192				9010-0168 w RS422	9010-0169 w RS422	7 seg LED	HH:MM	Y	Y	N	N	N	No Fan	RS422	O	Vis	Audio	O	O	O
Part # Classic w RS422	9010-0193																					
Part # Avantgarde		9010-0334	9010-0336	9010-0340			2 line LCD	DD: HH:MM	Y	Y	N	N	N		ENET	USB	Vis	Audio	O	O	O	
FD Drying Oven w forced convection		FD 23UL	FD 56UL	FD 115UL	FD 260UL																	
	Interior Volume	0.7 cu.ft.	2 cu.ft.	4 cu.ft.	9 cu.ft.																	
	Electrical	120V	120V	120V	208V & 240V																	
	Temperature Range	Amb. +5°C to 300°C	Amb. +10°C to 300°C	Amb. +10°C to 300°C	Amb. +10°C to 300°C																	
	Temp unif. at 150°C	±2.5°C	±1.7°C	±1.7°C	±1.9°C																	
	Part # Classic	9010-0196						7 seg LED	HH:MM	Y	Y	N	N	N	N	ENET	O	Vis	Audio	O	O	O
	Part # Avantgarde		9010-0304	9010-0306	9010-0310			2 line LCD	DD: HH:MM	Y	Y	N	N	N		USB	Vis	Audio	O	O	O	
FED Drying Oven w forced convection + timer			FED 56UL	FED 115UL	FED 260UL	FED 400UL	FED 720UL															
	Interior Volume		2 cu.ft.	4 cu.ft.	9 cu.ft.	14.1 cu.ft.	25.4 cu.ft.															
	Electrical		120V	120V	208V & 240V	208V 3 phase	208V 3 phase															
	Temperature Range		Amb. +10°C to 300°C	Amb. 10°C to 300°C	Amb. 10°C to 300°C	Amb. +5°C to 300°C	Amb. +5°C to 300°C															
	Temp unif. at 150°C		±1.4°C	±1.2°C	±1.6°C	±3.8°C	±3.0°C															
	Part # Classic					9010-0217	9010-0219	7 seg LED	HH:MM	Y	Y	Y	Y	N	Y	RS 422	O	Vis	Audio	O	O	O
	Part # Avantgarde		9010-0296	9010-0294	9010-0300			2 line LCD	DD: HH:MM	Y	Y	Y	Y	N		ENET	USB	Vis	Audio	O	O	O
FP Prog. Drying Oven w forced convection			FP 53UL	FP 115UL	FP 240UL	FP 400UL	FP 720UL															
	Interior Volume		1.9 cu.ft.	4 cu.ft.	8.5 cu.ft.	14.1 cu.ft.	25.4 cu.ft.															
	Electrical		120V	120V	208V 3 phase	208V 3 phase	208V 3 phase															
	Temperature Range		Amb. +5°C to 300°C	Amb. +5°C to 300°C	Amb. +5°C to 300°C	Amb. +5°C to 300°C	Amb. +5°C to 300°C															
	Temp unif. at 150°C		±2.0°C	±1.8°C	±2.0°C	±2.5°C	±2.0°C															
	Part # Classic		9010-0175	9010-0262	9010-0264	9010-0266	9010-0268	7 seg LED	HH:MM	Prog	Prog	Prog	Prog	20	Y	RS 422	O	Vis	Audio	O	O	O