



Robust and precise oven for the thermal treatment; drying, heating, thermal testing, aging and similar purposes in forced air-flow environment up to 350°C.

The FDM ovens are classic products for the thermal test laboratories, educational institutions, material test in general and industry. The boost air-flow allows an homogeneous temperature distribution, which guarantees an ideal temperature.

The FDM ovens are realized with the best components which ensure a reliable test.

Model code variations

Interior volume	Temperature	Air fan	Air fan speed	External material	Description	Model code	
20	Up to 300°C	Forced ventilation	Adjustable	White	20 liters 300°C, white external material with forced adjustable ventilation	O20/300FV	
				Inox	20 liters 300°C, inox external material with forced adjustable ventilation	O20/300FVX	
			Constant	White	20 liters 300°C, white external material with forced constant ventilation	O20/300FVC	
				Inox	20 liters 300°C, inox external material with forced constant ventilation	O20/300FVCX	
58	Up to 350°C			White	58 liters 350°C, white external material with forced constant ventilation	O58/350FVC	
				Inox	58 liters 350°C, inox external material with forced constant ventilation	O58/350FVCX	
60	Up to 300°C	Forced ventilation	Adjustable	White	60 liters 300°C, white external material with forced adjustable ventilation	O60/300FV	
				Inox	60 liters 300°C, inox external material with forced adjustable ventilation	O60/300FVX	
			Constant	White	60 liters 300°C, white external material with forced constant ventilation	O60/300FCV	
				Inox	60 liters 300°C, inox external material with forced constant ventilation	O60/300FVCX	
67	Up to 350°C	-	-	White	67 liters 350°C, white external material	O67/350NV	
				Inox	67 liters 350°C, inox external material	O67/350NVX	
120	Up to 300°C	Forced ventilation	Adjustable	White	120 liters 300°C, white external material with forced adjustable ventilation	O120/300FV	
				Inox	120 liters 300°C, inox external material with forced adjustable ventilation	O120/300FVX	
			Constant	White	120 liters 300°C, white external material with forced constant ventilation	O120/300FVC	
				Inox	120 liters 300°C, inox external material with forced constant ventilation	O120/300FVCX	
220	Up to 200°C	Forced ventilation	Constant	White	220 liters 200°C, white external material with forced constant ventilation	O220/200 FVC	
	Inox			220 liters 200°C, inox external material with forced constant ventilation	O220/200 FVCX		
	Up to 300°C		Adjustable	White	220 liters 300°C, white external material with forced adjustable ventilation	O220/300FV	
				Inox	220 liters 300°C, inox external material with forced adjustable ventilation	O220/300FVX	
					White	220 liters 300°C, white external material with forced constant ventilation	O220/300FVC
					Inox	220 liters 300°C, inox external material with forced constant ventilation	O220/300FVCX
420	Up to 300°C	Forced ventilation	Adjustable	White	420 liters 300°C, white external material with forced adjustable ventilation	O420/300FV	
				Inox	420 liters 300°C, inox external material with forced adjustable ventilation	O420/300FVX	
			Constant	White	420 liters 300°C, white external material with forced constant ventilation	O420/300FVC	
				Inox	420 liters 300°C, inox external material with forced constant ventilation	O420/300FVCX	

Technical data

Model	O20/300FV			O60/300FV	O120/300FV	O220/300FV	O420/300FV	
	O20/300FVX	O58/350FVC	O67/350NV	O60/300FVX	O120/300FVX	O220/300FVX	O220/200 FVC	O420/300FVX
	O20/300FVC	O58/350FVCX	O67/350NVX	O60/300FCV	O120/300FVC	O220/300FVC	O220/200 FVCX	O420/300FVC
	O20/300FVCX			O60/300FVCX	O120/300FVCX	O220/300FVCX		O420/300FVCX
Temperature data								
Temperature range [°C]	+10...+300	+10...+350	+10...+350	+10...+300	+10...+300	+10...+300	+10...+200	+10...+300
Temperature stability at max. temp. [°C]	0,3	1	2	0,3	0,3	0,3	1	1
Temperature uniformity at max. temp. [°C]	2,3	2,5	14	2,0	1,9	2,5	10	9
Controller data								
Controller	PID controller	PID controller	PID controller	PID controller	PID controller	PID controller	PID controller	PID controller
Working chamber data								
Working chamber surroundings	Air (with or without hot air fan)	Air (without hot air fan)	Air (without hot air fan)	Air (with or without hot air fan)	Air (with or without hot air fan)	Air (with or without hot air fan)	Air (with hot air fan)	Air (with or without hot air fan)
Structure and insulation data								
Exterior structure	white sheet or stainless steel	white sheet or stainless steel	white sheet or stainless steel	white sheet or stainless steel	white sheet or stainless steel	white sheet or stainless steel	white sheet or stainless steel	white sheet or stainless steel
Interior structure	stainless steel AISI 304	stainless steel AISI 304	stainless steel AISI 304	stainless steel AISI 304	stainless steel AISI 304	stainless steel AISI 304	stainless steel AISI 304	stainless steel AISI 304
Shelves	2	3	3	3	3	3	2	3
Dimension data								
Net interior volume [L]	20	58	67	60	120	220	200	420
Net weight of the unit [kg]	36	40	37	49	68	91	78	178
Interior Dimension								
Width [mm]	240	390	390	380	550	730	710	1000
Depth [mm]	280	380	445	380	400	500	610	500
Height [mm]	340	360	390	420	580	620	460	860
Exterior Dimension								
Width [mm]	460	675	675	600	750	930	1043	1200
Depth [mm]	680	630	625	760	780	880	730	930
Height [mm]	640	585	600	720	880	915	585	1200
Alarm and security								
Type alarm	visual	visual	visual	visual	visual	visual	visual	visual
Remote connection	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Electrical data								
Rated Voltage [V]	230	230	230	230	230	230	230	400
Rated Frequency [Hz]	50	50	50	50	50	50	50	50
Rated Power [kW]	1	2	2	2	2,2	4	2	6,2
Phase	1~	1~	1~	1~	1~	1~	1~	1~