

Drying ovens

Application

- thermal resistance analysis of building materials
- electronic and electro-technical components
- tests of properties of products subjected to high temperatures
- drying of wires of papermaking machines
- drying of laboratory glass
- general aging and curing
- preheating
- digestion of proteins
- plant tissues drying
- drug metabolism
- paper drying



Excelsior Scientific



Drying ovens are designed to provide high temperatures up to 300°C.

Calibration



All thermostatic equipment manufactured by Excelsior Scientific can be provided with Calibration Certificate issued by an accredited Measurement Laboratory. Detailed information can be found on our website: www.excelsiorscientific.com



Drying ovens

SL

	SL 15	SL 32	SL 53	SL 115	SL 180	SL 240	SL 400	SL 750	SL 1000	
Parameter										
air convection	natural (SLN) / forced (SLW)						forced (SLW)			
chamber capacity ¹ [l]	15	32	56	112	180	245	424	749	1005	
door type	solid			solid/door with viewing window (option)						
temperature range	+5°C above ambient temperature ...+300°C									
temperature resolution [°C]	every 0,1									
controller	microprocessor with external LCD graphic display									
interior	acid-proof stainless steel to DIN 1.4301									
housing	-	powder coated sheet								
	INOX/G	stainless steel linen finish								
overall dims ² [mm]	A width	510	590	590	650	650	810	1010	1260	1260
	B height	550	630	700	850	1030	1200	1430	1600	2000
	C depth	440	500	600	700	760	760	750	850	850
internal dims [mm]	D width	320	400	400	460	470	600	800	1040	1040
	E height	230	320	390	540	720	800	1040	1200	1610
	F depth	200	250	360	450	560	510	510	600	600
max shelf workload ⁵ [kg]	-	10	10	25	25	25	25	25	-	-
	PW ³ version	-	-	50	50	50	100	100	100	100
max unit workload [kg]	-	20	30	40	60	75	90	120	140	-
	W ⁴ version	-	-	80	120	120	300	300	300	300
nominal power [W]	600	1100	1600	2400	2400	3000	3900	5400	5400	
weight [kg]	27	35	50	65	94	126	174	260	330	
over temperature protection	class 2.0 according to DIN 12880 / class 3.1 (option) / 3.1 in TOP+									
power supply*	230 V 50 Hz						400 3/N			
shelves fitted/max	1/2	1/3	2/5	2/7	3/9	3/10	3/14	5/16	6/22	
warranty	12 months									
manufacturer	Excelsior Scientific									

all the above technical data refer to standard units (without optional accessories)

* - 230V 60Hz, 115V 60Hz also available

1 - working capacity of chamber can be smaller

2 - depth doesn't include 50 mm of power cable

3 - reinforced shelf

4 - reinforced version

5 - on uniformly loaded surface

Options and accessories

