

SAFETY DRYING OVENS

Series FDL: Safety drying chambers for limited quantities of solvent

The FDL 115 with silicone and dust-free inner chamber, as well as symmetric airflow dries specimens containing solvents and thus this safety drying oven meets all EN 1539 requirements.

Features:

- Temperature range: room temperature +10 °C to 300 °C
- APT.line™ preheating chamber technology
- Controller with time-segment and real-time programming
- 2 chrome-plated racks
- Fresh-air monitoring with audible and visual alarm and automatic deactivation of heating
- Replaceable filter cartridge, Class M6
- Class 2 independent adjustable temperature safety device (DIN 12880) with visual alarm
- Computer interface: RS 422

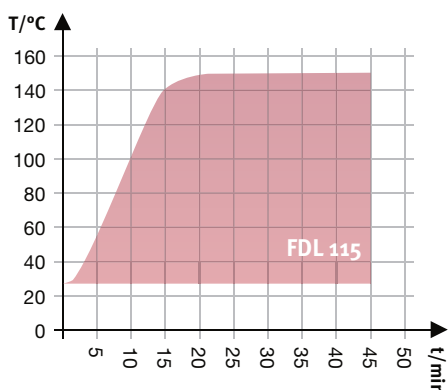


FDL 115



FDL 115

Heating up time:



Technical data:

	FDL115
	230V *
Article Number	9010-0292
Performance Data Temperature	
Temperature range 10 °C above ambient temperature to [°C]	300
Temperature variation at 150 °C [± K]	2,5
Temperature fluctuation [± K]	0,8
Heating-up time to 150 °C [min]	20
Recovery time after 30 seconds door open at 150 °C [min]	12
Air change data	
Air circulation (approx.) [x/min]	20
Volumetric flow rate of exhaust air acc. to EN 1539 at 50 °C [ca. L/min]	400
solvent quantity	
Highest permitted solvent quantity (at T-180 °C, M-100g/mol, U-40g/m ³ , K=0,5) [g]	66,5
Electrical data	
Rated Voltage [V]	230
Power frequency [Hz]	50 / 60
Nominal power [kW]	2,9
Phase (Nominal voltage) [ph]	1~
Outer dimensions	
Width net [mm]	830
Height net [mm]	805
Depth net [mm]	685
Wall clearance back [mm]	160
Wall clearance sidewise [mm]	100
Internal Dimensions	
Width [mm]	600
Height [mm]	435
Depth [mm]	435
Further Dimension	
Interior volume [L]	115
Net weight of the unit (empty) [kg]	90
permitted load [kg]	60
Load per rack [kg]	30
Environment-specific data	
Energy consumption at 150 °C [Wh/h]	1200
Sound-pressure level [dB(A)]	57
Fixtures	
Number of shelves (std./max.)	2 / 5

* All technical data is specified for unloaded units with standard equipment at an ambient temperature of +22 °C ±3 °C and a power supply voltage fluctuation of ±10 %. The temperature data is determined in accordance to BINDER factory standard following DIN 12880, observing the recommended wall clearances of 10 % of the height, width, and depth of the inner chamber. Technical data refers to 100 % fan speed. All indications are average values, typical for units produced in series. We reserve the right to change technical specifications at any time.