

FDL series: Drying paint safely

The FDL series meets all requirements and standards for working with solvent-based materials pursuant to EN 1539. It is also fully compliant with ISO 3215. Symmetrical airflow with defined flow velocities provide reproducible results and exact definition of non-volatile components. In short: The perfect environment for painted surfaces, provided by a silicone and dust-free interior and a replaceable filter cartridge with significantly increased removal efficiency.



► Performance features and equipment:

- Electronically controlled APT.line® preheating chamber technology
- In compliance with all safety requirements according to the standards EN 1539 and VBG 24
- Temperature range of 5 °C (9 °F) above ambient temperature up to 300 °C (572 °F)
- MS controller with LED display and integrated timer 0 to 99 hours
- Controller timer functions: delayed ON, delayed OFF, and temperature-dependent delayed OFF
- Adjustable heat load (0 to 100 %)
- One ramp function
- Viton door gasket (for max. temp. of 200 °C / 392 °F)
- Replaceable fresh-air filter cartridge, Class F6 (EU6 fine-particle filter for particle sizes between 1 µm and 10 µm)
- Independent adjustable temperature safety device, Class 2 (DIN 12880) with optical and acoustic alarm
- Fresh-air monitoring with acoustic alarm and automatic shut-off of heating
- Rear exhaust duct Ø 100 mm (3.9 inch)
- RS 232 printer and communication interface for APT-COM® DataControlSystem
- 2 chrome-plated shelves




FDL 115

► Exterior dimensions	
Width (mm/inch)	834 / 32.8
Height (inclusive feet/castors) (mm/inch)	800 / 31.5
Depth (mm/inch)	685 / 27.0
Plus door handle (mm/inch)	50 / 2.0
Wall clearance (mm/inch)	100 / 3.9
Wall clearance with open door (mm/inch)	160 / 6.3
Exhaust duct outer-Ø (mm/inch)	100 / 3.9
Steam space volume (l/cu.ft.)	156 / 5.5
► Interior dimensions	
Width (mm/inch)	600 / 23.6
Height (mm/inch)	435 / 17.1
Depth (mm/inch)	435 / 17.1
Interior volume (l/cu.ft.)	115 / 4.1
Shelves, chrome-plated (number standard/max.)	2 / 5
Load per shelf (kg/lbs.)	20 / 44
Permitted total load (kg/lbs.)	50 / 110
Weight of the unit (empty) (kg/lbs.)	90 / 199
► Temperature data	
Temperature range, 5 °C/9 °F above ambient up to °C/°F	300 / 572
Temperature variation	
at 70 °C (± °C)	1.5
at 150 °C (± °C)	2.5
at 300 °C (± °C)	4
Temperature fluctuation (± °C)	0.3
Heating-up time ²⁾	
at 70 °C (Min.)	7
at 150 °C (Min.)	17
at 300 °C (Min.)	44
Recov. time after door was opened for 30 sec. ²⁾	
at 70 °C (Min.)	1
at 150 °C (Min.)	3
at 300 °C (Min.)	6
Air change (approx. x/min.)	3
Air circulation (approx. x/min.)	40
Exhaust air volume flow (approx. L/Min. / m ³ /h)	400 / 24.0
Air flow velocity (m/sec)	0.8–1.2
Highest permitted solvent quantity (g)	6.65
(at T-180 °C, M-100 g/mol, U-40 g/m ³ , K = 0.5)	
► Electrical data	
Housing protection acc. to EN 50529	IP 33
Nominal voltage (± 10 %) 50/60 Hz (V)	230
Nominal power (W)	2900
Energy consumption	
at 70 °C (W)	388
at 150 °C (W)	1098
at 300 °C (W)	2023

1) value without window 2) up to 98 % of the set value

All technical data are specified for units with standard equipment at an ambient temperature of + 25 °C (+ 77 °F) and a voltage fluctuation of ± 10 %. The temperature data are determined in accordance to DIN 12880, part 2 respecting the recommended wall clearances of 10 % of the height, width and depth of the inner chamber. All indications are average values, typical for units produced in series. We reserve the right to alter technical specifications at all times.