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Modular dryers ECOGEL are a modern, efficient and flexible solution for in-line-drying; they are characterized by great practicality in use, due to the continuous panel feeding system. In these dryers a laminar hot air flow opposed to the panel feeding direction, with adjustable recirculation

is realized. The dwell time in the dryer depends on the panel feeding speed; it is limited to a few minutes, and therefore it is best suited to carry out fast flash-off for many types of lacquers, or drying processes for lacquers with low solid content.



PLUS AND BENEFIT

- The ventilation system consists of an air inlet and recirculation unit with heating exchanger and a separated exhaust ventilator. The air capacity is variable by manually or automatic adjustable dampers.
- Automatic temperature adjustment of the ventilating air.
- The incoming air to the dryer can be mixed up with a re-circulated air, the appropriate balance of which provides significant energy savings.
- Variable exhaust ventilator capacity.
- Air inlet and exhaust are designed to give a ventilation flow where air speed is kept constant throughout the whole oven section and thus also guarantees uniform distribution.
- Possibility to insert infrared lamps.
- Structure of dryer and ventilating unit: is of sandwich panels of steel with polyurethane foam insulation, guaranteeing energy savings. Lower parts closed using insulation material, inserted into the panel feeding conveyor.
- The modules (3 to 9) can be assembled giving lengths in multiples of 1500 mm.

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AVAILABLE OPTIONS

1. Two models with different air capacities are produced: VS = Standard Ventilation and VM = Increased Ventilation.
2. Electric servo control for automatic air speed adjustment, with visualization at board, by means of static blade anemometer.
3. Pneumatic operating damper for closing exhaust.
4. Frost protection, with sensor and automatic damper.
5. Installation of IRCK lamps
6. Installation of NIR lamps
7. Installation of CARBON lamps
8. Installation of IRM lamps
9. Power adjustment of lamps

TECHNICAL FEATURES

- Dryer length: 4500 ÷ 13500 mm.
- Working width of dryer: 1300 mm.
- Passage working height: 80 mm
- Air filtration level at infeed: G3



TECHNICAL SPECIFICATIONS

	Electric power kW	Compressed air NI/min	Thermal power kcal/h	Air make-up mc/h	Air with solvent exhaust mc/h
ECOGEL E4 - VS	3,7		76.400		0 ÷ 4000
ECOGEL E4 - VM	4,5		109.400		0 ÷ 6000
n. 1 rowe IRCK lamp	6				
n. 1 NIR lamp	8,5				
n. 1 CARBON lamp	4,5				
n. 1 IRM lamp	3,5				

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