

PRIALTEX s.r.l.

DGF



After Printing Drier

DGF series main features

Dimensions

The DGF drier is a modular machine: it is possible to realize a single drying chamber 3m or 4m long; it is also possible to use more chamber in order to achieve a longer drier (6m, 7m, 8m, etc). The machine is installed over a carpentry basement: the basement dimensions change according to the printing carpet height.

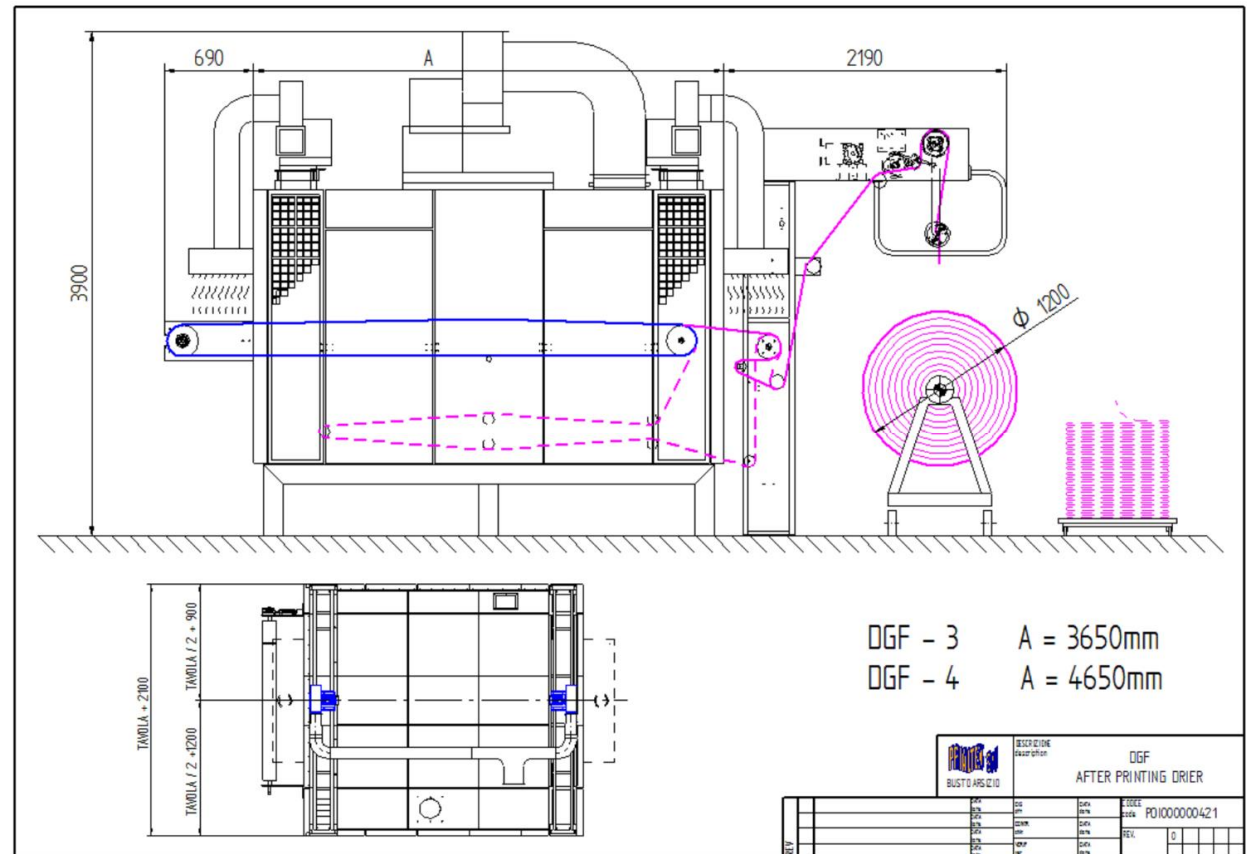
Fabric transport

The fabric is detached from the printing carpet by a conveyor and crosses the drier. A special photocell transform the intermittent movement of the carpet in a continuous movement of the conveyor.

A traction roller extracts fabric from the drier: if the single passage mode is used the fabric is extracted at the end of the conveyor belt, otherwise stay inside for two extra-passages over rollers.

Standard exit includes an axial winder and a plaiter.

Please note that in case of single passage, it is possible to directly roll the fabric without touching the printed surface.



Air Circulation

The DGF dryer has a special recirculating air system directly derived from our coating machines.

This system ensures perfect symmetry in drying even in the case of a single drying chamber.

A pair of fans distributes hot air on either side of the drying chamber both above and below the first passage of the fabric.

Accessories

The base unit can then be integrated with various accessories according to customer requirements:

- “ Special double suction hoods to remove any residual smoke (especially recommended for polyester fabric high-temperature drying).
- “ Upper blower lifting system to change the air velocity on the fabric without changing its flow rate and therefore without jamming the recirculation (especially recommended for very light fabric).
- “ Heat exchanger placed on the drier roof; It is able to use exhaust air to produce hot water to be used for printing carpet washing unit and improving its effectiveness





TECHNICAL SPECIFICATIONS

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|-------------------------|--|
| Std. Drier length | 3m – 4m – 6m – 7m – 8m – 9m |
| Std. Roller Width | 2000 – 2800 mm |
| Std. Working Width | 1800 – 2400 mm |
| Mechanical Speed | Depending on drier length |
| Heating System | Thermal Oil / Natural gas / Steam |
| Max working temperature | 215 °C |
| Max exhaust flow | 30% of circulating air |
| Installed Thermal power | 150kW for each 3m chamber 250kW for each 4m chamber |
| Driven system | Motors controlled by inverter |

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