

# RF DRYERS FOR STOCKING AND TIGHTS

Gentle treatment, uniform drying

In comparison with traditional methods, the Radio Frequency drying of ladies' stocking and tights after dyeing and hydroextraction, other than resulting in better product quality, offers various technical advantages, paving the way to innovative finishing procedures and, finally, leading to a corresponding increase in overall profitability.

Thanks to the ability of RF energy to penetrate dense and bulky products, stocking and tights, dyed and hydroextracted prior to - or after boarding and/or ironing, can be dried efficiently and uniformly as individual dozens or directly inside the dye-bags on the conveyor belt of the machine. They remain stationary and completely relaxed until the drying process is completed. The product exits the dryer with the desired final moisture content and is cool enough to go immediately for packing.

Being the RF heating phenomenon selective towards the wet areas, less evaporation is generated in the legs and more in the wetter, thicker areas (toes, welts, seams and waistcoat) resulting in a perfectly uniform drying of the whole product.

The ability to control accurately the water evaporation rate makes the use of RF drying beneficial not only for stocking and tights directly sent for packing and sale, but also for products to be sent to boarding or ironing after partial drying.

Thanks to the RF dryers specially designed for stocking and tights, which include some auxiliary devices addressing the specific problems of drying hosiery, STALAM gained the world leadership also in this peculiar application field.

Work frequency of generators	(I.S.M.) 27.12 MHz ± 0.6%
Cooling system of generators	water or air
Average evaporation rates	1.2 ÷ 1.3 kg (H <sub>2</sub> O)/ kW(RF)h



*"RF 40 kW" dryer for  
stocking and tights*

## MODELS

RF POWER	PRODUCTION CAPACITY (doz/h)*	DIMENSIONS L(m) x W(m) x H(m)
10 kW	400	6.0 x 1.7 x 2.8
20 kW	800	7.5 x 1.8 x 3.3
30 kW	1200	7.5 x 1.8 x 3.3
40 kW	1600	9.0 x 2.0 x 3.3
50 kW	2000	9.0 x 2.4 x 3.3
60 kW	2400	9.0 x 2.4 x 3.3

\* Weight of one dozen: 240 g; water to be removed: 30 gr (about 12%)

## BENEFITS

- Rapid and uniform drying
- Full or partial drying as required
- No thermal or mechanical stress on the product
- No migration of softeners and anti-statics
- More softness, better touch
- Product ready for packing immediately after drying
- User- and environmentally- friendly operation
- Continuous and “just in time” operation
- Instantaneous start / stop (no need for pre-heating / cooling)
- Low drying cost



## CONTACT US

Via dell'Olmo, 7  
I - 36055 Nove (VI)

T. +39 0424 597400  
F. +39 0424 590722

E. [stalam@stalam.com](mailto:stalam@stalam.com)  
I. [www.stalam.com](http://www.stalam.com)