

Infrared drying tunnel



*for textile
printing*

TIFLEX

Infrared drying tunnel is dedicated to polymerise water based and plastisol inks used in the textile industry. It can also be used for solvent based inks (époxy, polyuréthane, glycéro...) printed on IR resisting surfaces (thermo hardening, metals...).

This equipment is manufactured in the following standard widths : 80, 120 and 140 cm but other sizes can be manufactured on request.

• Working process

Polymerisation is obtained with radiant transmitters action on the printed surface.

• Characteristics

- under equipment length: 2,60 m
- teflon glass conveyor resisting to heat (250°C)
- variable conveyor speed from 1 to 4 m/mn (please, consult us for other reduction ratios)
- parallelism and conveyor tension adjustments, stopping collar guiding
- collapsible shutters allowing thick support passage such as caps
- drying area, controlled by a switch and guided by a temperature regulator with digital display
- fumes collector on the drying tunnel exit(125 mm diameter)
- metal frame with 4 wheels ensuring an easy moving

On request and after study, we can supply combined drying tunnel composed of jet air element, infrared element and cooling section.

| infrared tunnel | IR 80 | IR 120 | IR 140 |
|-----------------------------------|------------------------------|------------------------------|------------------------------|
| MECHANICAL CHARACTERISTICS | | | |
| useful width | 80 cm | 120 cm | 140 cm |
| opening | 90 x 12 cm | 130 x 12 cm | 150 x 12 cm |
| from ground conveyor height | 86,5 cm | 86,5 cm | 86,5 cm |
| OVERALL DIMENSIONS | | | |
| overall width | 120 cm | 160 cm | 180 cm |
| under element length | 260 cm | 260 cm | 260 cm |
| overall length | 420 cm | 420 cm | 420 cm |
| overall height | 130 cm | 130 cm | 130 cm |
| exit and entry useful length | 54 and 34 cm | 54 and 34 cm | 54 and 34 cm |
| net weight | 365 kg | 460 kg | 550 kg |
| gross weight | 460 kg | 600 kg | 660 kg |
| ELECTRICAL CHARACTERISTICS | | | |
| heating | 12 radiant elements 600 W | 18 radiant elements 600 W | 21 radiant elements 600 W |
| total power | 7,5 kW | 11 kW | 13 kW |
| feeding | 400 V tri | 400 V tri | 400 V tri |
| 3-phase intensity 400 V | 12 A | 19 A | 23 A |
| conveyor speed | 0,4 to 6,5 m/mn | 0,4 to 6,5 m/mn | 0,4 to 6,5 m/mn |
| operating sound level | 80 decibels max. | 80 decibels max. | 80 decibels max. |