

AUTOMATIC DYEING MACHINE - DRUM TYPE

GIOTTO



Miniature Laboratory PILOT piece dyeing machine, replicates Bulk Dyeing and fills the void between regular IR Lab dyeing machine and bulk production machine.

Main features:

- fully automatic, from pre-treatment to washing off - Load unload principle (similar to bulk).
- Dyes yarns and fabrics made of any dyeable fibres and their blends.
- All parameters are fully programmable, including Auto Dosing.
- About 50 selectable different dyeing programs, each with graphic display.
- Basic model endowed with 3 automatic dosing tanks. To obtain a fully automatic version, 2 additional dosing pumps can be added to each dyeing unit.
- Up to 6 dyeing positions, either H.T. (+135°C) or atmospheric (+98°C), or combined.
- Controller version (with PLC controller) for independent management of each dyeing position.
- Available with different volume capacity, from 300 cc to 6000 cc.
- Liquor ratio from 1:7 up to 1:40 (depending on GSM of fabric to be dyed).
- Continuous programmable Reduction clearance possible (for PES and its blends), allowing continuous dyeing of PES Blends.
- Excellent repeatability within one bath and reproducibility among baths - delta (<0,4 CMC 2:1) and RFT (> 95%).
- Made in Italy out of best quality stainless steel.

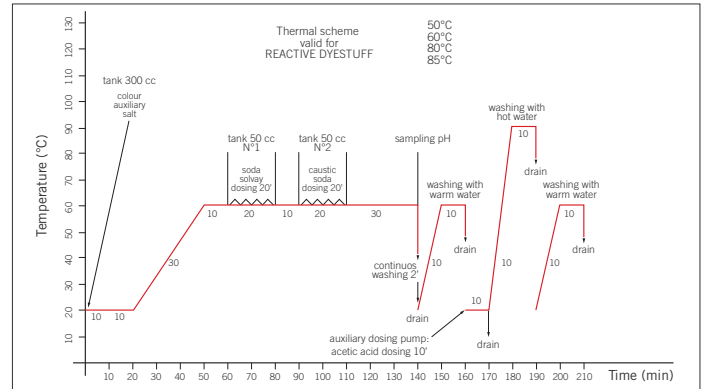


GIOTTO

Technical characteristics:

Each dyeing position is equipped with a main dosing tank for primary filling and two tanks of 50 cc each for automatic programmed chemicals. Additional dosing pumps can be added as option up to 2 per position. The programmable functions enable the instrument to operate like a large scale machine with:

- completely independent dyeing positions
- automatic water filling and automatic dosing
- automatic temperature control $\pm 0.2^\circ\text{C}$, Auto ramping, Auto hold
- automatic dyeing bath drain
- auto washing and neutralising

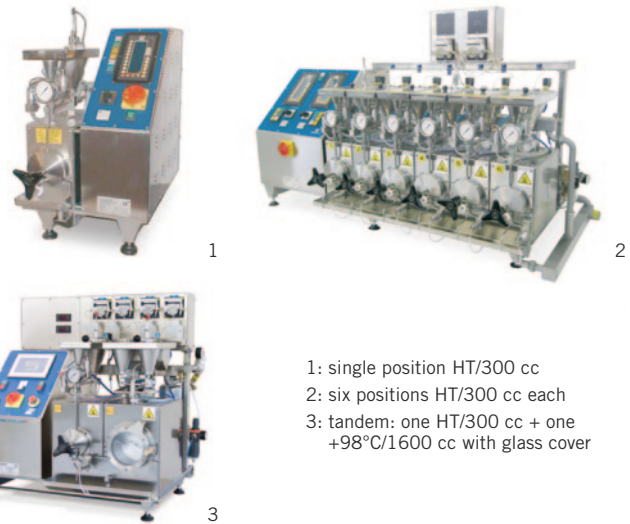
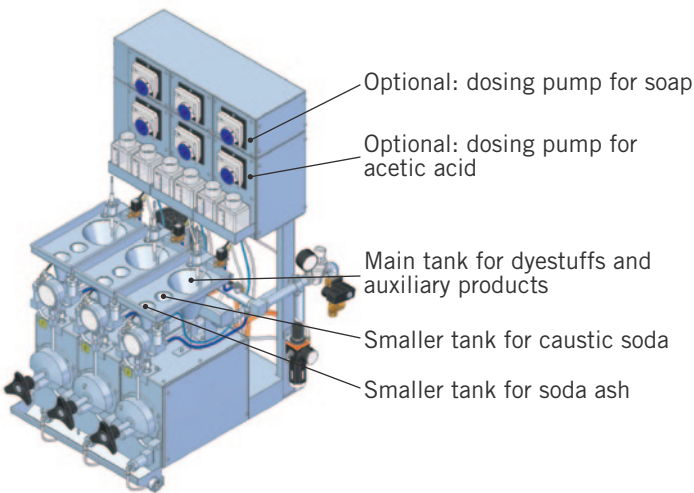


Available Standard Configuration

No. OF DYEING POSITIONS	GIOTTO +98°C 300 cc	GIOTTO +98°C 600 cc	GIOTTO +98°C 1600 cc	GIOTTO +98°C 6000 cc	GIOTTO HT +135°C 300 cc	GIOTTO HT +135°C 600 cc
1 Dyeing Position			323T5.192	323T5.198		
2 Dyeing Positions			323T5.194	323T5.200		
3 Dyeing Positions	323T5.184	323T5.188	323T5.196	323T5.202	323T6.208	323T6.212
6 Dyeing Positions	323T5.186	323T5.190			323T6.210	323T6.214

GIOTTO can be equipped - on special demand - with dyeing positions having different capacity, as well as different dye bath temperatures.

Configuration examples:



OPTIONAL / ACCESSORIES

- To obtain a fully automatic version, 2 additional dosing pumps can be added to each dyeing unit.
- pH valve available on HT version.

Photographs and descriptions of the present leaflet have to be considered as purely indicative and not binding

DIMENSIONS / POWER SUPPLY

Power supply: 400 Vac, 50 Hz, three-phase + N
Inlet water: 3 Bar Min 5 Bar Max
Air requirement: 7 Bar