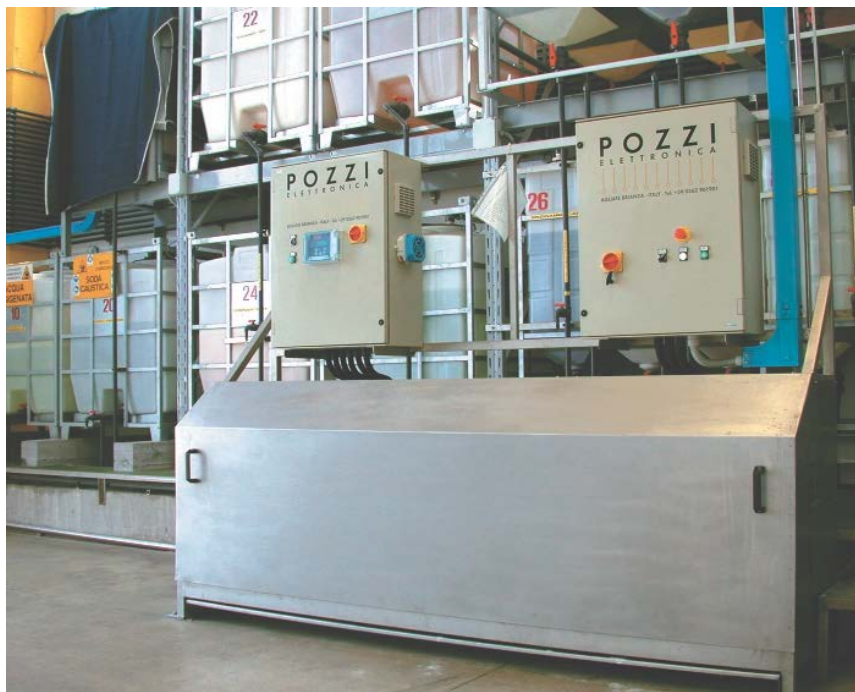


# Dosatex

*dosatex*



## LIQUID DISPENSING AND TOTAL DYEHOUSE CONTROL

**DOSATEX is a single piece of equipment composed of a software core and a liquid dosing unit, that manages all dyehouse needs, from dyeing recipes to online supervision and to metering of the distribution of chemicals. The dosing unit is composed of a product selection and metering block, which are designed to include the best performing metering technology available on the market, together with the maximum ease of maintenance and low footprint.**

**D**OSATEX employs a Coriolis effect mass meter and mono pipe distribution system. The meter measures actual mass of the products being dosed and it is thus completely unaffected by issues of older technologies of volume metering such as density variations, thermal expansion and high speed related inaccuracies.

The exclusive cluster disposition of the product selection valves dramatically simplifies maintenance while creating the highest possible safety condition even when incompatible chemicals are used. In fact, safety in a dispensing system is an

absolute must, and the multi-wall design of the product selection block is the best guarantee for no contamination of fluids.

The high performance positive displacement lobe pump which is used for product dispensing can reach a flowrate of 100 kg/min and its rotation speed is tuned automatically with the use of an inverter drive to best suit dosing precision requirements.

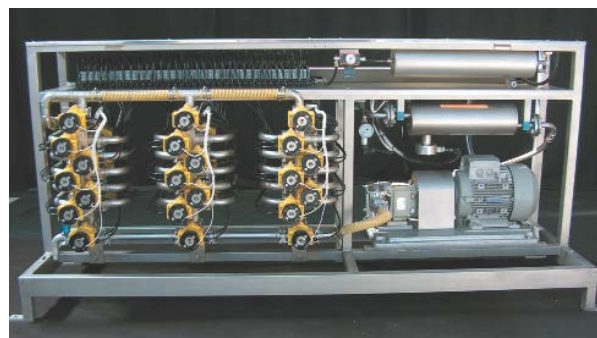
Further more the system features an exclusive

automatic preventive maintenance system, which keeps valves under constant monitoring, not only sensing the actual position of the valve but also the time and speed that the valve itself needs in order to perform a movement.

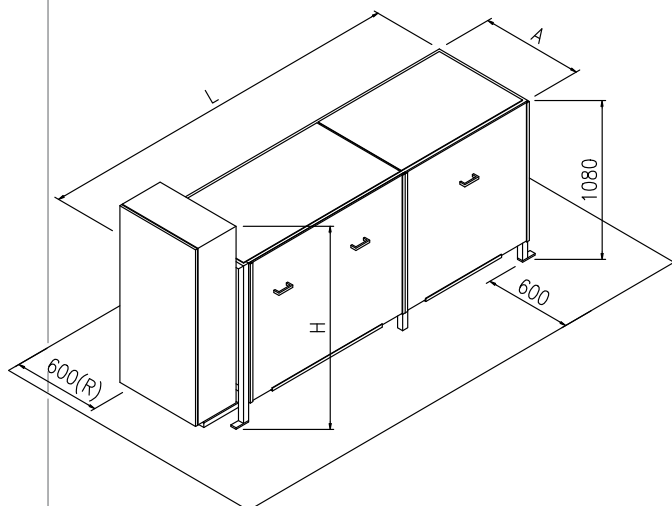
In this way **DOSATEX** can detect a potential problem long before the actual breakdown occurs, thus reducing to the minimum the downtime of the dispensing system.

The software component of **DOSATEX**

allows the dyer to create and edit a recipe file which he can insert chemical products into, with the appropriate timing according to the requests during the dyeing machine



cycle, also having the possibility to insert repeatable portions of recipes in automated procedures. But this is only a small portion of the potential of the management system, in fact the software can import pre-made recipes from other systems, and can be connected with a centralized host system, in order to work as a slave of the host controller, for a complete automated dyehouse procedure. **DOSATEX** is already interfaced with the most renowned centralized host systems such as Sedomaster from Barco-Sedo, Orgatex from Setex, or Arad-Software from Arel.



### NUMBER OF PRODUCTS

	up to 30	31 to 40	41 to 50
<b>L</b>	2250	2950	3380
<b>H</b>	1330	1330	1330
<b>A</b>	720	720	720

Simplicity of use and an intuitive graphical user interface make **DOSATEX** an efficient tool that can be used by all the operators even with minimum technical training, making it easily fittable to all already existing dyehouse realities. With only one glance to the computer screen, the operator can get all the information regarding the dispensing operations and queues due, for the **DOSATEX** liquid dispensing system and for all the subsystems connected to the network. In fact the **DOSATEX** software controls all the other Pozzi equipments like the **SALTEX** salt dispensing, the **SOLVITEX** dyestuff dissolution system, or the **PiTEX** powder automated weighting system.

The software package is also including a teleservicing module that allows real-time monitoring and diagnostic for a quick and efficient support.

Features	Benefits	Advantages
✓ Coriolis mass meter with inverter control	✓ Simultaneous real mass metering and dispensing. Changes temperature does not affect measurement.	✓ No useless waste of exceeding chemicals.
✓ Monopipe System	✓ Only one pipe running across the plant. Easily expandable. Can connect machines up to 400 mt.	✓ Easy installed in existing dyehouses, less space required for connecting the machines
✓ Self diagnostic sensors	✓ Eliminates complete breakdown of the system. Detects uncontrolled leaks.	✓ Allow preventive maintenance
✓ Positive displacement lobe pump	✓ Very high flowrate	✓ High speed of dispensing over long distances and heights
✓ Inverter control	✓ Better precision on dispensing	
✓ Easy wiring for control electronics	✓ Only one cable running to the distribution line	✓ Low installation cost
✓ Efficient storage of the chemicals	✓ No need to place it inside the dyehouse. Cleaner.	✓ Safe storage even for incompatible chemicals
✓ Modular structure	✓ Expandable	✓ Scales with production needs
✓ Unique complete management software	✓ Easy interface with host controllers / Supports remote assistance	✓ Only one software covers all the need of the dyehouse
✓ Cluster distribution of products valves	✓ Easy maintenance and increased security	✓ Safe dispensing also for incompatible chemicals
✓ Can serve finishing equipment	✓ Can connect also to stenters and other finishing equipment	✓ One investment covers more productive areas
✓ Distributed control electronics	✓ Faulty boards can be repaired while continuing to work	✓ Reduces downtime



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