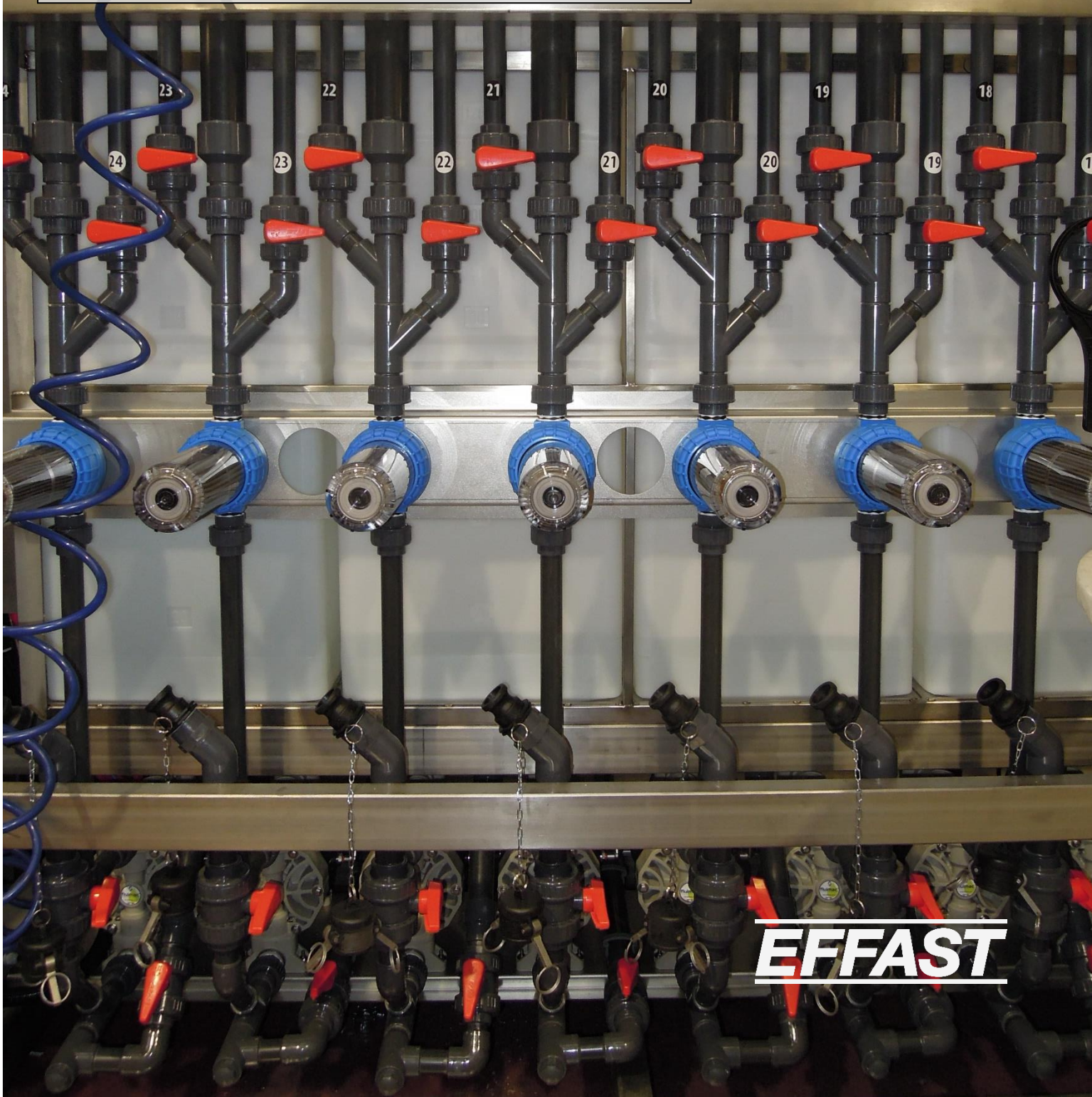


EFFAST valves for textile industry: high-precision plants for colours preparation



Effast ball valves – industry series – and fittings in PVC-U allow the realization of units for the preparation of colours destined to textile industries, with maximum speed of response and total control of the quality.

EFFAST
solutions in
PVC-U for
textile
industry



The textile industry is nowadays coping with a competitive environment that must be faced with cutting-edge and user-friendly technological solutions, allowing to rationalize the production of the colours with customized systems and minimum maintenance.

For several years [Fimat](#), specialized company in this sector at international level, has been relying on Effast products to develop the so-called “colour kitchens” and the automatic thickener preparing units.

Automatic colour kitchen for printing process

Colour kitchens are plants aimed to colours dosage for the preparation of the desired recipes with different types of colours, mixed together with the thickener.

The choice of Effast products in PVC-U is perfectly tailored to the application needs for compact monobloc units, easy to position and with important requirements in terms of accuracy, speed of execution, ease of use and easy maintenance.

The standard plants of this type realized by Fimat include in particular, for each of the 24 colors to be mixed, a set of 4 manual ball valves (Effast BX model) in PVC-U to handle the collection and recycle process from the tanks, with pneumatic pumps and related connection pipes between storage and dosage.

These technological solutions allow to ensure a controlled, high and constant precision in the weighing operations, to obtain a perfect reproducibility of the chromatic result, and therefore a certifiable constancy of the production quality.

Automatic thickener preparing unit

For a true process economy in colour kitchens, the preparation of neutral thickeners/pastes plays a fundamental role.

An automatic system of standard size allows an optimal and controlled mixing of water and liquid reactants, for the filling of storage tanks of about 2000 l.

In this case the Effast manual ball valves and the connection piping enslave the delivery system, without the need for recirculation as in the case of the colour kitchen.

The Effast valves in PVC-U represent the optimal solution due to the lightness characteristics of the plastic material and the chemical compatibility with the solutions and the various liquid substances within the system (e.g. urea, carbonates, acids, anti-reducing, sequestering, wetting, anti-foam, anti-bacterial agents), which vary according to the type of fiber.

“We have been choosing Effast valves for years with great results in terms of performance and reliability” commented the customer.



CASE STUDY

Plants

Colour kitchens
Thickener preparing units

Client

FIMAT – Italy

Sector

Textile industry

Products

Ball valves industry series and fittings in PVC-U

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