



SLD Garment
FULL AUTOMATIC LIQUID CHEMICAL
AUTOMATION SYSTEM

The single address for all automation
needs of the textile industry.

Control Your Factory.



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PATERNOSTER

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SLD HYPO

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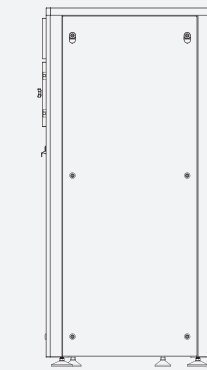
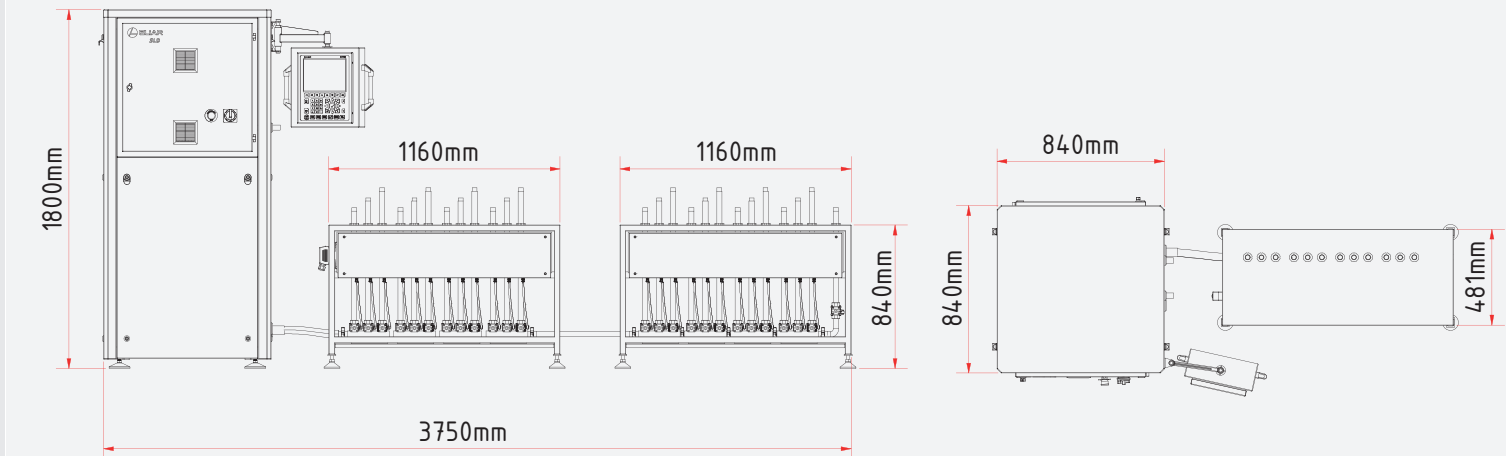


ELIAR **TELESKOP**

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ELIAR DYEHOUSE
SUPERVISORY SOFTWARE



Technical Specifications

Chemical Inlet	: 12-24-36-48
Collector Type	: Single Line (Maximum 4 collectors)
Transfer Capacity	: 1.200 transfers / day
Pump Transfer Speed	: 60 liters / minute
Outlet and Transfer Type	: Single Line Distribution, Maximum 48 outlets
Flowmeter	: Gravimetric Mass Flowmeter
Weighing Accuracy	: 0,5% or maximum 3 g (up to 600 g, for upper max. 0,5%)
Pump Type	: Lobe (Standart), FIP (Optional)

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THE MOST FLEXIBLE SOLUTION FOR ALL LIQUID CHEMICALS USED IN YOUR GARMENT WASHING & DYEING FACTORY

Considering the diversity and consumption amounts of liquid chemicals used in garment washing and dyeing processes, manual weighing and distribution processes are extremely difficult and risky. As a result of incorrect calculations, wrong chemical selection and under or over weighing, which are frequently encountered in manual operations, your final product quality and repeatability will decrease, and your production costs will increase exponentially. In order to avoid all these problems, Eliar offers you the SLD Garment single-line liquid chemical transfer system, which is the fastest and most flexible single-line liquid chemical distribution system in order to maximize the production efficiency in your garment washing & dyeing factory.

DESIGNED TO MAXIMIZE YOUR PRODUCTION EFFICIENCY

Manufactured with the engineering and assurance of Eliar, SLD Garment is the fastest and most flexible chemical distribution system. Eliar, which is among the world leaders with the products it produces for the textile industry, ensures that the garment washing & dyeing factories to work with maximum efficiency with the SLD Garment it has developed. With SLD Garment, you can have a production line where you can easily control your liquid chemical consumptions and at the same time you can completely eliminate errors and all potential accidents.

THE RIGHT AMOUNT, THE RIGHT TIMING

Regardless of the size of your factory, the raw material you will process and the washing & dyeing method you apply, SLD Garment is suitable for every garment washing & dyeing enterprise. SLD Garment transfers up to 48 liquid chemicals to 48 separate distribution points at a rate of 60 liters per minute. With its special pump and flowmeter combination, it performs 1,200 liquid chemical transfer operations daily without any risk of mixing. With smooth SS316L dispensing pipeline and specially designed actuator valves, the right chemical, the right machine, the right quantity and the right timing is guaranteed.

CHEMICAL SELECTION WITH SPECIAL COLLECTOR SYSTEM

SLD Garment is equipped with a special chemical collector system that allows automatic transfer of up to 48 chemicals according to the needs of your processes. A single collector can serve 12 chemicals and 4 collectors are able to be connected to one SLD. Thanks to the unique working principle of SLD, line cleaning is performed simultaneously with the chemical transfer.

- SPECIALLY DESIGNED COLLECTOR SYSTEM
- UNIQUE TRANSFER AND LINE CLEANING SYSTEM

TWO PROCESSES AT THE SAME TIME

ELIAR SLD Garment is equipped with two pumps and two flowmeters to double the liquid chemical transfer rate, and the transfer process is done via two different main distribution lines. Thanks to this unique distribution line structure, while the chemical is transferred from one of the two main distribution lines, another chemical is weighed simultaneously from the other line.

- TWO PUMPS AND TWO FLOWMETERS
- TWO MAIN DISTRIBUTION LINES

STOCK CONTROL AND HIGH SECURITY SILO FILLING SYSTEM

Eliar designed silo stock control and filling system used in ELIAR SLD Garment provides perfect security with its integrated electronic camlock system, barcode reader, chemical upper and lower level sensors and automatic filling pump. With the support it receives from all these safety measures, SLD Garment ensures that the right chemical is loaded into the right silo, preventing errors that may arise from the operator or any external factor.

- PERFECT FILLING SAFETY
- CONTINUOUS STOCK CONTROL

DISTRIBUTION TO ALL YOUR MACHINES FROM A SINGLE LINE

While SLD Garment distributes chemicals on a single line made of SS316L material, it uses 3-way, L port specially designed valves for line separation and machine distribution. This structure ensures that your garment washing & dyeing machines, which will be added to your factory in the future, can be easily integrated into your full automatic liquid chemical weighing and transfer system.

- SPECIALLY DESIGNED VALVES
- FLEXIBLE STRUCTURE & EXPANDABLE DISTRIBUTION LINE

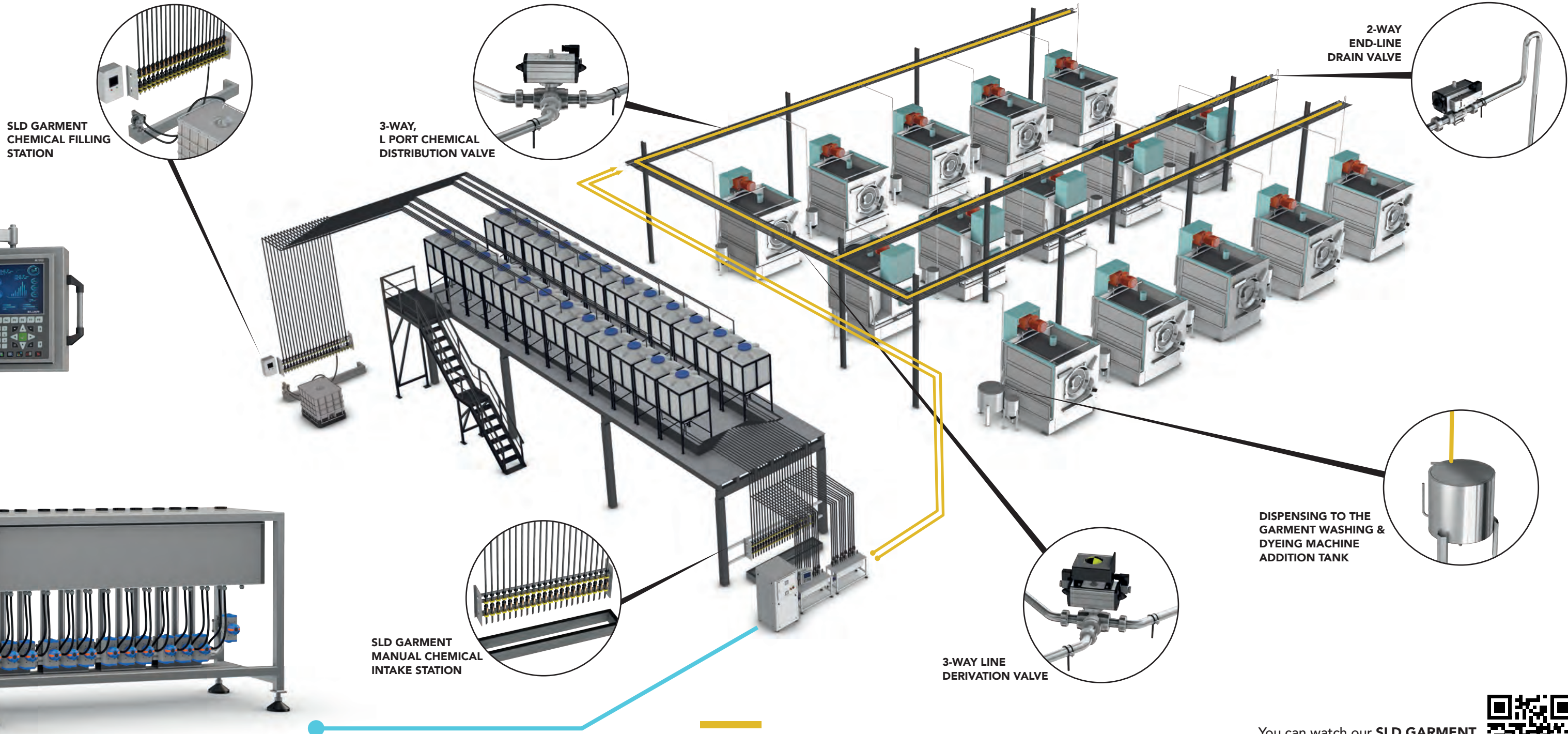
READY FOR FUTURE

ELIAR SLD Garment is 100% compatible with the Industry 4.0 concept and is ready for possible future enhancements to software applications in your laundry. It is integrated into Eliar laundry supervisory software to automatically generate reports on actual consumptions, process monitoring and control data.

- INDUSTRY 4.0
- EMBEDDED ELIAR SOFTWARE

PERFECT PROJECTS WITH EXPERT ESTABLISHMENT IN THE TEXTILE INDUSTRY

Aligned with its vision for the future, with the awareness that the only way to progress is the triangle of qualified knowledge, qualified workforce and optimum cost, Eliar, thanks to its wide engineer staff specialized in their fields and the R&D center that directs technology, shares its deep application experience with you from the projects it has carried out in different parts of the world. During the selection and projecting of the most suitable liquid chemical automation system, Eliar also cooperates you in every aspects of your automation project and with its technical team specialized in textile automation systems, takes the responsibility of all design, project and engineering works, installation stages and commissioning processes from the production of your project until the delivery stage and always offers you turn-key automation projects.



The liquid chemical weighed with SLD Garment and injected into the distribution line is transferred to the addition tank of the relevant garment washing & dyeing machine, thanks to 3-way L port distribution valves and full automatic valve control system.

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