



SLD Hypo

FULL AUTOMATIC LIQUID BLEACHING AGENT
AUTOMATION SYSTEM

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

Control Your Factory.



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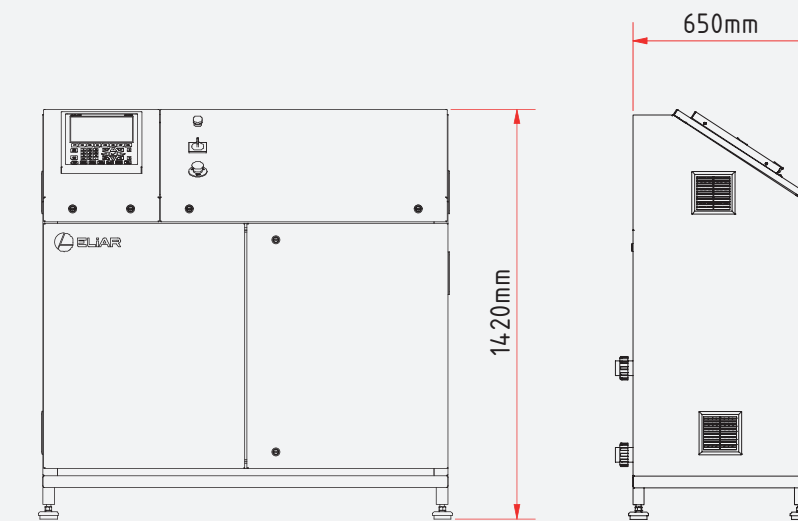


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ELIAR DYEHOUSE
SUPERVISORY SOFTWARE



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Technical Specifications

Weighing Accuracy	: 0,5%
Transfer Speed	: 40 liters / minute
Outlet and Transfer Type	: Single Line Distribution, Maximum 15 outlets
Flowmeter	: Magnetic Flowmeter
Pump Type	: Centrifugal Pump



PERFECT CONTROL OF YOUR HYPOCHLORIDE BLEACHING PROCESSES

In case of incorrect application of the Sodium Hypochloride bleaching process, the uncontrolled decrease in the fabric strength of the product, the emergence of serious problems in color and the irreparable effects on the product surface are frequently encountered problems. However, despite all these risks, hypochloride bleaching is still an unalterable alternative in the garment washing industry. The main difficulty of this process is to send the Sodium Hypochloride used in the right amount and at the right time to the relevant machine. Manual method of Sodium Hypochloride weighing is very sensitive in terms of required weighing accuracy, transfer speed and work accidents that may occur during transportation. At this point, Eliar offers SLD Hypo to garment washing industry, which is the first full automatic hypochloride automation system developed in the industry and as the outcome of special studies of Eliar in its R&D center.

UNIQUE AUTOMATION SOLUTION FOR BLEACHING AGENTS

Produced with the engineering and assurance of Eliar, SLD Hypo is the first and unique bleaching agent dispensing system offered to the textile industry. Eliar, which is among the world leaders with the products it produces for the textile industry, ensures that the garment washing enterprises work with maximum efficiency with the SLD Hypo it has developed. With SLD Hypo, you can have a production line where you can easily control your bleaching chemical consumption and at the same time completely eliminate all errors and accidents.

THE FASTEST & COMPLETELY SAFE WORKFLOW

Regardless of the size of your enterprise, the raw material you will process and the type of machine you will use in the process, SLD Hypo is suitable for every laundry. While SLD Hypo transfers your bleaching chemical to 15 different distribution points at a speed of 40 liters per minute, it carries out all your daily Sodium Hypochloride transfer processes without any risk of mixing with its special pump and flowmeter combination. Sodium Hypochloride, which is kept in stock tanks, is automatically weighed without touching and transferred to the machines related to the completely enclosed installation.

PERFECT TRANSFER WITHOUT ANY HUMAN

Bleaching chemicals are frequently and partially used in small amounts, especially in denim washing processes. This means that bleaching chemicals can be transferred to machines in the conventional method, but only with intensive labor. During the weighing carried out by this method, it spreads to the enterprise in the form of fume and this situation also carries great risks in terms of human health. Thanks to SLD Hypo, all these problems are eliminated.

- PRECISE WEIGHING
- OCCUPATIONAL HEALTH AND SAFETY

MULTIPLE DISTRIBUTION FROM A SINGLE LINE

While SLD Hypo distributes chemicals on a single line made of material suitable for the structure of the chemical, it uses specially designed valves to serve for the line separation and machine additional tanks. This structure ensures that your garment washing machines that will be added to your factory in the future can be easily integrated into your fully automatic bleaching chemical weighing and transfer system.

- SPECIALLY DESIGNED DISTRIBUTION LINE
- FLEXIBLE & EXPANDABLE STRUCTURE

DISSOLVING TANK OPTION

With SLD Hypo, a dissolving tank option specially developed for enterprises working with powder bleaching chemicals is offered, and thus, powder bleaching chemicals such as calcium chloride can be integrated into the system. All parameters of the dissolving process (bleach amount, liquor, temperature, dissolution time, mixer speed) are automatically controlled, the liquid bleaching chemical solution obtained as a result of the dissolving process is automatically transferred to the stock tank through the filtering process, and finally, the dissolving unit is perfectly cleaned.

- OPTIONAL DISSOLVING SYSTEM
- FULLY AUTOMATIC CONSTRUCTION

CUSTOMIZED MATERIALS FOR BLEACHING CHEMICAL AUTOMATION

SLD Hypo is designed with extremely durable equipment against the corrosive effects of the related bleaching chemical. All components, pumps, flowmeters, valves and installations, in short the entire weighing and transfer system, which are in direct or indirect contact with bleaching chemicals, are equipped with customized equipment with high resistance to corrosive chemicals. In this way, it is guaranteed that SLD Hypo will serve your enterprises for many years without any problems.

- SPECIALIZED COMPONENTS
- HIGH DURABILITY

READY FOR FUTURE

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

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 bleaching agent 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.



SLD HYPO CHEMICAL FILLING STATION

3-WAY, L PORT CHEMICAL DISTRIBUTION VALVE

2-WAY END-LINE DRAIN VALVE

DISPENSING TO THE GARMENT WASHING MACHINE ADDITION TANK

3-WAY LINE DERIVATION VALVE

The bleaching chemical weighed by SLD Hypo and injected into the distribution line is transferred to the addition tank of the relevant garment washing machine, thanks to 3-way L port distribution valves and full automatic valve control.

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