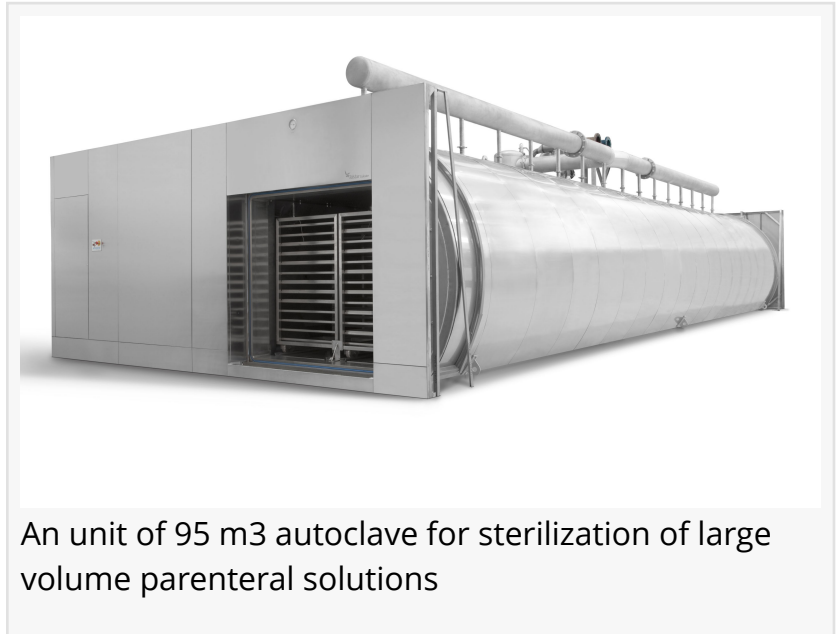


TELSTAR SUPPLIES AN INSTALLATION OF 95m³ AUTOCLAVES FOR STERILIZATION OF LARGE VOLUME PARENTERAL SOLUTIONS

For Laboratorios Pisa, the leading pharmaceutical and medical devices manufacturer in Latin America.

TERRASSA, BARCELONA, SPAIN, July 29, 2014 /EINPresswire.com/ -- Telstar has supplied a set of autoclaves for sterilization of large volume parenteral solutions and isotonic liquid products to the pharmaceutical firm Laboratorios Pisa. The autoclaves have been installed at the Mexican group's pharmaceutical plant in Tlajomulco, Guadalajara (Mexico). This supply contract for multiple pieces of equipment, which was delivered in December 2013, is to be extended by the addition of further autoclaves during 2014.



An unit of 95 m³ autoclave for sterilization of large volume parenteral solutions

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The autoclave installation, together with seven-effect water stills and high capacity steam generators, form part of the production line at the Laboratorios Pisa plant in Guadalajara (Mexico)”

The super-heated water autoclaves developed by Telstar for Laboratorios Pisa, which can perform faster and more energy-efficient sterilisation cycles, are characterized by their large capacity. Each autoclave has been specially designed for use in sterilization process of large batches of parenteral solutions. Control systems have been included which can compensate the pressure differences occurring between the inside of the container and the autoclave chamber during the heating and cooling phases. This system ensures that the processes occur at controlled temperature and that the physical integrity of the container is retained at the end of the cycle.

Telstar is also supplying the Laboratorios Pisa plant in Guadalajara with several seven-effect

water stills, each with a capacity for up to 12,000 litres/hour of distilled water (WFI); some of which are in full operation and a further two which are now in the process of manufacture. The seven-effect stills operate without requiring any cooling water. The seven columns provide more enhanced utilization of the heating energy and as a result in the last condensation phase no cooling water intake is required. This represents a significant financial saving considering such large production volumes.



The seven-effect water still with a capacity for up to 12,000 litres/hour of distilled water (WFI)

The autoclaves and water stills developed by Telstar for the Laboratorios Pisa pharmaceutical plant in Guadalajara are complemented by steam generators, each with a capacity for 1,000 kg/hour of pure steam.

Freeze-drying 500,000 vials/month of solutions-for-injection

Also, during the course of 2014, Telstar will supply steam sterilizable freeze dryer capacity for the production of injectable products at Laboratorios Pisa's plant in Tlajomulco, Guadalajara. With a freeze-drying surface area of 19.8m², each piece of equipment has the capacity to freeze-dry a total of 33,000 vials every 40 hour cycle over 15 cycles a month.

Furthermore, two steam autoclaves for terminal sterilization of blisters and culture media manufactured by Telstar will be supplied to the plant located in the industrial area of Guadalajara, which Laboratorios Pisa uses for developing process improvements.

Laboratorios Pisa

Laboratorios Pisa is the leading pharmaceutical and medical devices manufacturer in Latin America. It was founded in 1945, and supplies medicines and medical equipment to both the public and private health and hospitals market, particularly solutions-for-injection, formulas for artificial nutrition, oral rehydration, medicines for cancer, anaesthesiology and antibiotics. The group has a professional team of 14,000 employees, 17 lines of pharmaceutical specialities, more than 900 products and also its own distribution network.

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