



Autoclaves/Sterilizing Ovens/Freeze Dryers BOSCH HQL3240

Images



Product details

Category:	Autoclaves/Sterilizing Ovens/Freeze Dryers
Machine:	HQL3240
Machine code:	24-1294
Manufacturer:	BOSCH
Year of construction:	1995

Description



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DEPYROGENATION TUNNEL BOSCH HQL 3240 HQL installations are ideal for the sterilisation of vials. This model is exceptional because of the low throughput in the tunnel, which is the result of the laminar hot air flow process with its high degree of efficiency. Sterilisation tunnels are used on filling lines in the pharmaceutical industry to sterilise glass containers prior to aseptic filling. These tunnels use forced air at temperatures of up to 350°C. Bosch HQL drying and sterilisation tunnels operate with unidirectional flow, with process curves of temperature progression and significantly reduced sterilisation times. They guarantee the constant precision required for validation, qualification and reliable production capability. Through a filter, make-up air is introduced into the tunnel. Inside the tunnel, the air, drawn in by fans, feeds the supply and cooling section through pre-filters and particulate air filters in separate areas of the tunnel. Using the laminar flow principle, the air flow is directed vertically into the containers. Underneath the conveyor belt, the air is directed back through a recirculation duct to the fan. The fans need fresh air for the heating section: laminar flow unit. The heating elements in the recirculation duct serve to heat the recirculation air to the preset temperature. Below the particulate air filters there are heating elements with an outlet to a temperature control and recording device. The cooling section operates with laminar flow. A fan in the cooling section exhausts the hot air under the conveyor belt. The exhaust air volume is automatically adjusted. The tunnel is equipped with an automatic overpressure control in the cooling section. Modular system for tunnel assembly suitable for the required power range with optimum energy consumption. GMP-compliant construction. Compatible container transport systems for stable and unstable containers. Safe conveyor belts on floor and side levels operated simultaneously. Excellent accessibility and ease of operation. Technical data

Length 2865 mm

Width mm 2200

Height 2630 mm

Weight Kg 2500