



Complete Lines BOSCH 3002+HQL3240+RRU2020

Images



Product details

Category:	Complete Lines
Machine:	3002+HQL3240+RRU2020
Machine code:	24-1293/94/95
Manufacturer:	BOSCH
Year of construction:	1995

Description



line composed of:

1. **WASHING MACHINE MODEL RRU 2020** The Bosch RRU series of washers and dryers performs ultrasonic cleaning for fast and precise removal of particulate and precise removal of particulate material. The rotary design allows for a small footprint and ease of operation with fast and accurate removal of particulate material and reliable feeding of small containers. Bosch RRU rotary heads will give you excellent results with gentle handling of vials. They can be configured for a wide range of formats. Ideal rotary washer for cleaning vial bottles. Processing ranges and capacities depend on individual containers, line integration on individual containers, line integration, etc. GMP-compliant construction; small footprint; safe transport of containers; high level of ultrasonic cleaning; stations for internal and external container washing external and internal container washing stations; with pumping station; quick format changeover.

TECHNICAL SPECIFICATIONS

Net weight Kg 1790

Maximum container diameter 52 mm

Maximum container height 110 mm

Maximum output 8000 / hour

2. **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

3. **Bosch MLF 3002** intermittent motion filling and closing machine for injectable vials. Includes rotaty table for empty vials, 4 rotary piston filling heads (currently filling 100ml), stoppering inserter with bowl feeder, and closing system for ALU caps with bowl feeder. 90 degree reject to the rear of the machine, and product discharge in line with product flow. Suitable for containers up to 55mm diameter and up to 185mm high (double index), inserts and caps up to 36mm diameter.

Output approximately 6,000 containers per hour.