



HOT AIR STERILISATION TUNNEL

TYPE RT400...RT850



The new ROTA hot air sterilisation tunnel for sterilising and depyrogenising ampoules and vials has been mutually developed with company Franz Ziel, D-Billerbeck, specialised in laminar air flow techniques, and ROTA

With an easy access to the sensors, the electrical installation as well as control instrumentation, the ROTA hot air sterilisation tunnel design incorporates leading edge technology.

The ROTA tunnel is based on an air re-circulation principle in all three zones, thus only power supply and cooling water is required for its operation.

A comprehensive list of optional features and accessories allows this hot air tunnel to be customised to meet the individual requirements of each customer and application.

Highlights at a glance

- cGMP-Compliant compact construction
- Optimised laminar air flow and temperature distribution in the different zones
- Integrated electrical cabinet
- Automatic internal pressure regulation
- Adjustable outfeed temperature of the objects into the clean room.
- Ease of operation and settings through a colour touch screen HMI
- Optimum access to all areas for cleaning and maintenance purposes
- No air inlet and outlet piping required

Available options

- Air humidity measurement in the infeed zone
- Cooling coils in the infeed zone
- Heating coils to sterilise the cooling zone
- Pressure control compared to the clean room
- Batch protocol printer
- CFR 21 Part 11 compliant industrial PC

Standard equipment

- PLC – Siemens S7
- Colour touch screen HMI, with four level password security and cleaning cycle recipe management systems.
- Air flow and temperature measurement in infeed, hot and cooling zones
- Complete stainless steel construction
- Controlled and adjustable conveyor belt speed
- Automatic internal pressure regulation
- Automatic shutter height adjustment
- Water cooling coils in the cooling zone
- Recorder for critical process parameters
- Standby mode



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TYP RT400...RT850

Technical data

	RT400/900	RT550/900	RT550/1525	RT550/1925	RT850/1425
Conveyor belt width (mm)	400	550	550	550	850
Hot zone length (mm)	900	900	1525	1925	1425
Output (kg/h)	55	76	125	160	180
Power supply	400 V, 50 Hz, 3-Ph. +N				

Further models are available. Do not hesitate to contact us.

Other machines available from ROTA :

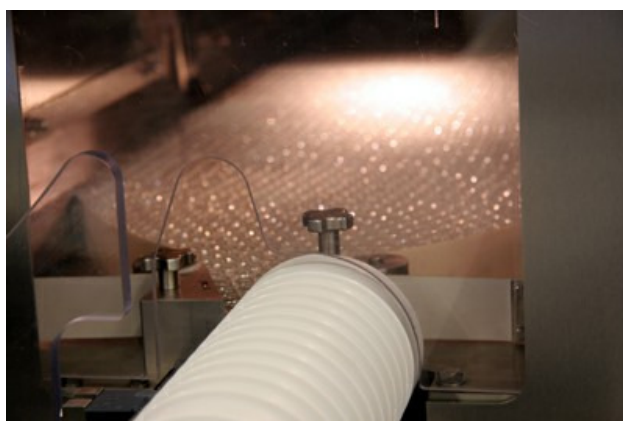
- Washing machines for ampoules and vials
- Ampoule and vial filling and sealing machine.
- Inspection machine for ampoules and vials
- Labelling machines for ampoules and vials



Colour touch screen HMI



Inspection windows with lighting in infed and cooling zone



Direct and gentle infed of the containers from the washing machine, with flexible side belts to control congestion and speed of the conveyor belt.