

# Depyrogenation Tunnel PST-120/550



Specifications	
Dimensions (L x W x H)	5510 x 2550 x 2560 mm
Working Surface Height	851 mm x 978 mm (33.5 in x 38.5 in)
HMI	Allen Bradley PanelView
PLC	Allen Bradley CompactLogix
Belt	12,000 mm wide, 304 stainless steel
Belt Drive	Frequency controlled AC-motor
DOP In All Three Chambers	Included
Machine Frame	AISI-304 stainless steel
Panels & Covers	AISI-304 stainless steel
Electrical Cabinet	Remote location
HEPA Filter In-feed Chamber (x2)	610 x 457 x 150 mm
HEPA Filter Sterilizing Chamber (x4)	610 x 610 x 150 mm
HEPA Filter Cooling Chamber (x6)	610 x 610 x 150 mm
Heating Elements (x48)	SCR controlled
Heating-up Time to 320 °C	Approximately 25 mins (from night mode)
Working Temperature	320 °C (Max 350 °C)
Pressure Monitoring	Pressure transmitters
Utility Requirement	105 kVA, 480 volt, three phase, 60 Hz 7000-8000 ltrs/hr chilled water
Weight	Approximately 6000 kg (13,228 lbs)

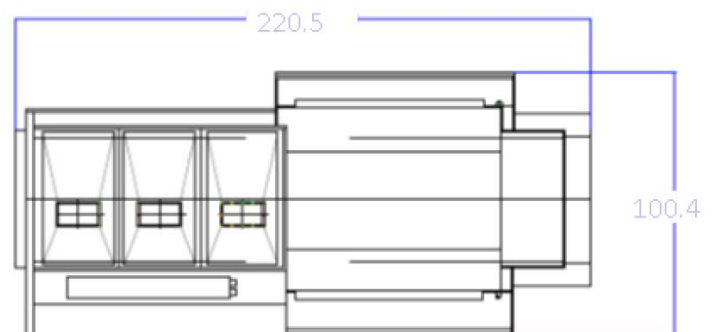


## Production Range

Vials	OD	Height	Output
ML	MM	MM	VPM
2	16	35	806
5	20.8	41.3	473
10	24	45	452
30	30	75	226
50	42.5	73	95
100	52.6	94.5	56
250	64	150	TBD
500	77.5	177	TBD

## Additional Options

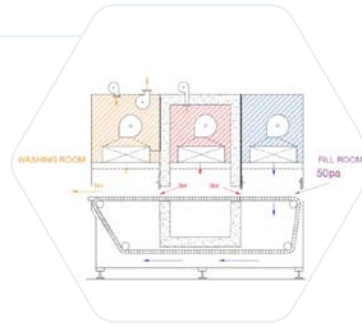
- Recipe Development For Additional Sizes
- Starwheel Tunnel Loader
- Automatic Last Vial Removal
- Cooling Water Heat Exchanger
- Sterilization Of The Cooling Zone
- In Process Particle Monitoring
- 21 CFR 11 Package
- UL Approved Electrical Cabinet
- Validation Documentation



## Overview

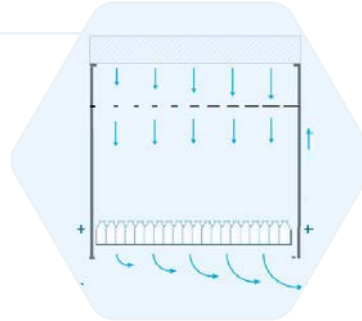
1

Balanced airflow within the hot zone, cool zone and in-feed zone while guaranteeing the thermal process regardless of cleanroom pressure fluctuations up to 50 Pascal.



2

Air flow compensation grids balance air velocity across the width of the vial transfer belt providing optimum temperature control.



3

A specially designed nonviable particulate collector (which is cooled by chilled water) is used in the hot zone. Particle counts are obtained from all three zones to provide "in process" control of the zone classifications.



4

An optional pusher is available to assist the last vials of the batch across the exit dead plate. No vials will remain in the tunnel.



5

The cool zone can be sterilized by the heat before starting a new batch.

