

# FINTEC VARIOJET TUNNELFINISHER

## FTS 306 D (steam heated)



The VarioJet-Generation FTS provides a convenient setting for high performance in garment finishing: the processing of from 450 to 1,900 items per hour, depending on customer requirements and the size of the operation (VarioJet FTS 106, 206, 306, 406). An absolute innovation is the efficient direction of air through the careful division of the finisher into 5 climate zones and through an extended inlet and outlet zone to produce an ideal tunnel climate. In both the steam-heated and gas-heated versions of the finisher specially shaped jet nozzles generate high air speeds to produce the best possible mechanical stretching and hence smoothing of the laundry items.



A second spray zone can be set up in the preliminary chamber. The feeding back of exhaust air is just as much a standard feature in the VarioJet series as is the operation of circulating air fans by means of frequency converters. The result: A clear improvement in performance while requiring less energy to be used.

The steam heated VarioJet FTS 306 D optimises the drying and finishing of garments with a capacity of up to approx. 1300 garments per hour, depending on the type of garment, thickness of weave and blend of material.

### Technical configuration in detail:

- Individually programmable parameters (temperature, steam spray, garment separation, quantity of garments per hour) as well as infinitely variable regulation of the fan output (70 %-110 %) via a frequency converter for processing different fabrics.
- Micro-processor control.
- Operation by means of colour screen, designed as a touchscreen terminal.
- Tunnel interior and steam spray pipe work in V2a stainless steel.
- Model features 5 climate zones consisting of:
  - Infeed chamber
  - Preliminary chamber with programmable steam spray fixture and jet nozzles for preliminary smoothing
  - 3 heating chambers that can be programmed separately
  - Final chamber for efficient final drying
  - Discharge chamber with exhaustion for final cooling to almost room temperature
- Returning of the exhaust air that still contains a great deal of energy into the finishing process
- Individually regulated steam spray in the drying chamber.
- Conveyor chain, chain guide and hanger carrier lugs made of stainless steel.
- Curve guides and chain sliding blocks made from plastic that is resistant to high temperatures.
- Heat exchanger up to approx. 15 bar steam pressure.
- 6 high-performance high-temperature fans, which can be controlled by means of a frequency inverter, 2 fans per heating chamber, in connection with flow straighteners and laminar nozzles, for extremely high air speeds and uniform air distribution across the entire drying zone.
- Service-friendly swing doors enable clear access to the supply lines and heating and drive units at any time, even during operation.
- Automatic filter with brush strip for maximum lint retention.
- Additional, easy-to-clean lint sieve before the heat exchanger.
- Fully insulated on all sides.
- Faults are displayed on the screen either in text form or as a graphic.
- Paintwork: basic frame parts in RAL 7035 (light grey), powder-coated structure, enclosures in RAL 5015 (sky blue) or according to the customer's specifications (only in RAL colours), powder-coated structure.
- Ready to be connected, including all instruments required to operate the machine, such as the condensate line and the service unit for compressed air with shut-off valve.



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## TECHNICAL DATA



### Optional

Second parallel touchscreen display for operating and monitoring the program sequences in the loading stations.

Garment hanging station with infeed and discharge function according to the customer's specifications is available on request

### Output

1.300 garments per hour depending on the type of garment, thickness of weave and blend of material and the moisture retention level

### Control

Electro-pneumatic micro-processor control

### Space requirement (floor space)

Length: 7425 mm  
Width: 1900 mm  
Height: 2690 mm

*Hourly output	approx. 1300 garments/h
*Steam evaporation	approx. 220 l/h
*Air circulation	approx. 18.000 m <sup>3</sup> /h
*Electrical consumption	approx. 30 kW/h
*Steam heating battery	approx. 290-340 kg/h
*Spray steam	approx. 60-120 kg/h
Air consumption	approx. 12 NI/h
Noise level	approx. 75 db(A)
Heat radiation	approx. 15 kW
Exhaust air temperature	approx. 100-110 Grad C
*Exhaust air	approx. 1500-2000 m <sup>3</sup> /h
Steam connection	R 1 1/2"
Overpressure steam	0,7-1,3 MPa (7-13 bar)
Compressed air connection	R 1/4"
Compressed air service pressure	0,5-0,6 MPa (5-6 bar)
Electrical connection	400 V; 50 Hz, 63 A; L1; L2: L3; N; PE
Condensate connection	R 1"
Exhaust air connection	DN 180

### Weight

approx. 6100 kg

### Miscellaneous

\* All technical data are appr. values and are depending on type of garment, thickness of weave and blend of material as well as moisture retention level.!

All performance and consumption data are based on steam pressure of approx. 10-12 bar

