

Be on the Safe Side . . .

**Vötsch**  
Industrietechnik



Explosion-Proof  
Heating and Drying Oven VFT 60/90

For heat treatment and drying of materials/substances  
with high solvent content – for use in laboratory and production

# The safe solution for your heat treatment and drying process . . .

## Applications

In many areas of the chemical-, pharmaceutical-, paint and basic material industry often heat and drying ovens are needed which must allow operation with an unlimited amount of combustible solvents inside the working chamber. The drying oven VFT 60/90 of Vötsch provides with its safety concept of primary and secondary explosion protection measures for safe heat treatment processes.

## The advantages

- Almost no restriction on the amount of combustible solvents in the working chamber (zone 1)
- Suitable for solvents with the temperature classes T1, T2, T3, T4 in the explosion groups II A and II B
- The equipment corresponds to the category 3, for use in zone 2
- Small footprint – also suitable for installation in laboratories
- Precise temperature uniformity in the whole work space
- User-friendly operation

All explosion protective measures are checked for technical safety and certified (Declaration of Conformity, certificate No. TÜV 02 ATEX 1826 X).

Your benefit is our decades of experience.

## Technical data

Type	VFT 60/90
Inside dimensions	
Width	560 mm
Height	900 mm
Depth	600 mm
Outside dimensions, approx.	
Width	820 mm
Height	1630 mm
Depth	1105 mm
Useful chamber vol.	300 l
Nominal temperature	200 °C <sup>1)</sup>
Temperature distribution <sup>2)</sup>	
T = 100 °C	± 3.0 K
T = 150 °C	± 3.5 K
T = 200 °C	± 6.0 K
Temperature classes	T1, T2, T3, T4
Connected load	11 kW
Rated voltage	400 V, 50/60 Hz
Weight	325 kg

<sup>1)</sup> depending upon the ignition temperature of the solvents

<sup>2)</sup> measurement according to DIN 17 052, part 1



## The equipment

- Electronic temperature controller, Jumo dTron
- Safety temperature limiter (STL)
- Power regulated by semi-conductor relay
- Inner casing of stainless steel, material 1.4301
- Outer casing galvanized sheet steel and painted
- Bottom designed for transport by a forklift
- Multi-position grid rails to accept wire mesh shelves

## Accessories (option)

- Wire mesh shelves and supports of stainless steel

Request also detailed information about

- Chamber drying ovens for coating materials (VTL)
- Explosion proof ovens with larger volumes (VTUW)
- Vacuum heating and drying ovens (VVT); also in ex-proof design

# Vötsch

Industrietechnik

**Vötsch Industrietechnik GmbH**  
Umweltsimulation • Wärmetechnik

## Produktbereich Wärmetechnik

**Greizer Strasse 41 – 49**  
**35447 Reiskirchen-Lindenstruth**  
**Germany**

Phone: +49 (0) 64 08/84-73

Fax: +49 (0) 64 08/84-87 47

info-wt@v-it.com

www.v-it.com · www.voetsch.info