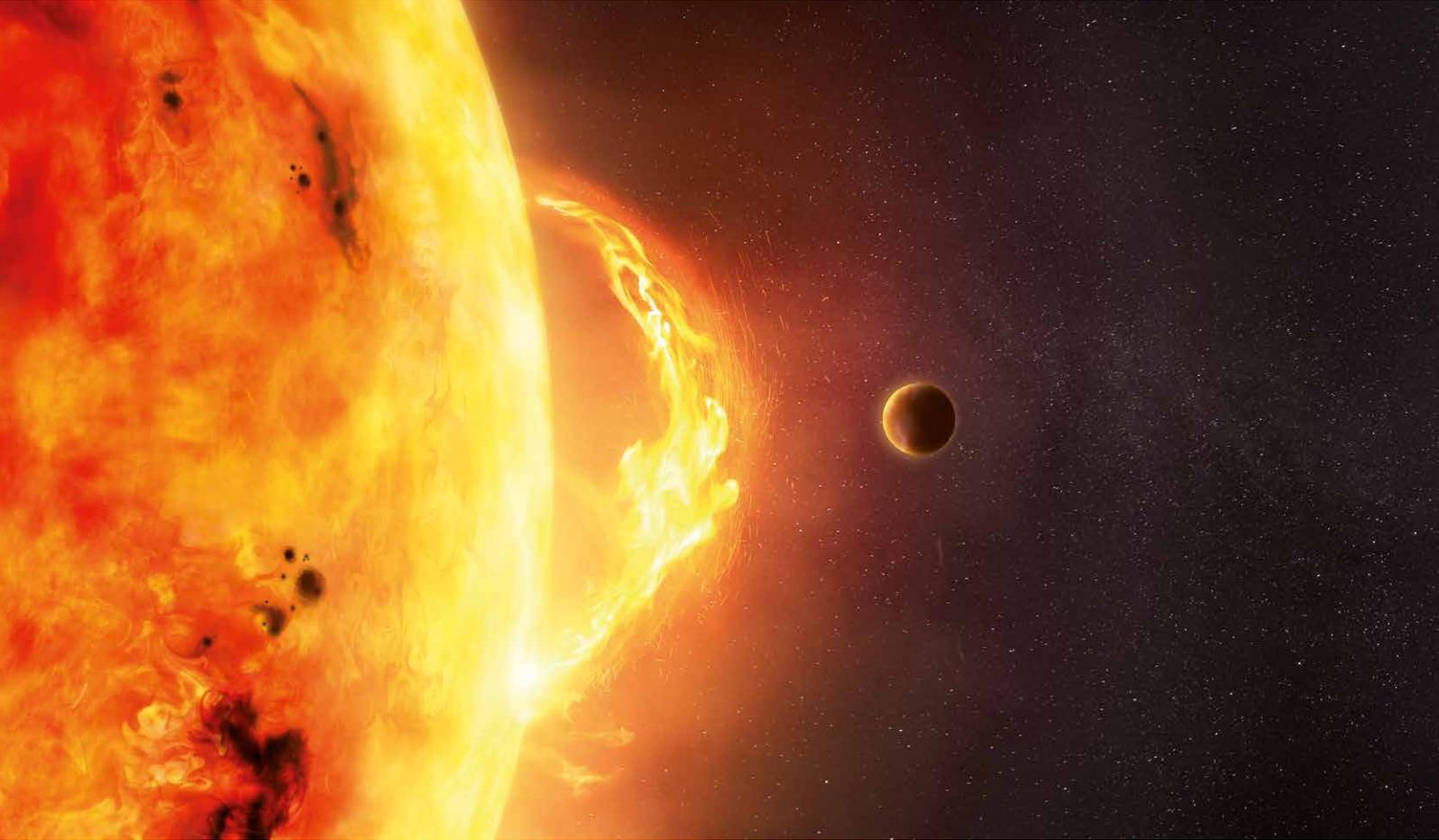


Heating and  
Drying Ovens  
HeatEvent



# You can count on it!

Whether lightweight CFK components or optical lenses – you want to manufacture reliable high-quality products on the shop floor. We provide you support to do so.



## Hot. Hotter. HeatEvent.

Reproducible results plus the resulting product quality, minimum space requirements, short processing times and a high level of productivity are the requirements in all industrial production areas. With the vötsch oven Heating and Drying Ovens HeatEvent, your components and materials can be reliably, quickly and energy-efficiently heat treated at temperatures of up to 400 °C. In this way, you will manufacture excellent products 24/7, 365 days a year.

## Competence for each process.

No matter how you want to use it – we have the right oven. Thanks to the high flexibility in basic and special ranges, we are able to meet your exact requirements so you can receive customised solutions in virtually all areas. Whether electric, gas or oil, heat transfer media, infra-red radiation or microwaves – from the different methods of heating we offer the best solution for your particular process.

# Often copied, never matched.

vötsch oven Heating and Drying Ovens HeatEvent.

Completely sophisticated.

For over 100 years, we have considered your needs and we know what is important for your processes: reliable and reproducible production results in the shortest time. This is ensured by high heating capacity, high air exchange and short recovery times after opening of the door. And thanks to the powerful, even temperature control in the use space, your products are subjected to the same conditions whatever their shape and properties. What you can perfectly rely on.

Perfectly manufactured.

Currently, more than 20,000 of our heating and drying ovens are in use. To ensure dependable and trouble-free operation, we draw on modern production methods and only use high-quality material and components. In this way, the quality remains consistently at a high level. Our greatest principle, without any ifs and buts.

Absolutely low maintenance.

Thanks to intelligent, well-matched control elements and intuitive user interface, our ovens are simple to operate and absolutely easy to service. Readily accessible components as well as a diagnosis and inspection system installed as standard guarantee short service and repair times. Good for you!



Our highlights:

- Smallest footprint with the largest use space
- Low energy consumption thanks to IE3 motors, optimised heat output, insulation and reliable door sealing designs
- World's largest range of options and accessories in addition to comprehensive basic equipment

# More equipment, right from the start.

Basic equipment setting standards.



You can find further details on equipment in our technical descriptions. [Contact us.](#)

## Exterior



- Easy access  
You have full access to the effective space when the door is opened at an angle of just 90°. Combined with a front access switch box, it has the smallest space requirement in its class. Therefore, you have more free space without reducing the furnace capacity.
- A device that grows with your requirements  
The innovative housing construction and the flexible configurability of the control system allows the easy subsequent addition of further components during the production phase or after delivery. If your processes change, we simply adjust your device.

## Regulation & Control



- Intelligence included  
The control system SIM PAC®, which is included as standard, allows the creation of complex temperature programmes and the automation of your processes – also in accordance with AMS 2750E or CQI-9.
- Become independent  
The innovative user interface WEB Season® allows you to also monitor your processes using a smartphone or tablet when you are out and about. Thanks to the individual allocation of user rights, several users can access the device at the same time.

## Safety



- Don't let anything get burned  
In addition to the target temperature setting, the individually adjustable test material protection system ensures your process safety. Digital and analogue inputs and outputs allow for comprehensive sensor technology and the control of numerous actuators – all without a complex bus system. Thanks to a potential-free contact, even the smallest interference is discovered and communicated to the higher-level monitoring system.

Reliable control as a standard:

Digital measurement and control system for operating and monitoring the heating and drying oven and for documenting the process parameters.



# Tailor-made production.

Optional equipment for individual solutions.

## Interior



- Some like it really hot  
If required, the standard temperature range can be increased from +220 °C up to +400 °C.
- When speed is the key  
The drying process can be additionally accelerated by an increased air exchange rate. Faster cooling can also be achieved in this way.
- Tailor-made feeding  
Even temperature control without adhesion is achieved for bulk material by using a rotary drum. Whether push loading drawers, grates, insertions or loading trolleys – we have a suitable solution for every application.

## Regulation & Control



- Set standards in communication  
The software S!MPATI<sup>®</sup> allows for easy operation, documentation and archiving of your batch protocols.
- 100% traceability  
The optional module S!MPATI barcode scan is an ideal addition for batch registration and stock management. The process data is simply scanned and in this way it allows batch numbers and product IDs to be entered almost without any errors and process workflows to be automatically allocated to the individual products.



You can find further details on equipment in our technical descriptions. [Contact us.](#)

Developed exclusively for you:  
The unique software package for the perfect batch protocol.



# Play it safe.

Dryers and Industrial Ovens for drying flammable solvents.

Safe mastering of the drying and heat treatment processes using tailor-made special equipment.



You can find further details on equipment in our technical descriptions. [Contact us.](#)

In the case of processes such as drying surface coatings, sizing varnish and impregnating resins the released substances (e.g. solvents) could mix with air to form an explosive mixture. If an ignition source is also present, there may be an explosion. vötsch oven Dryers and Industrial Ovens HeatEvent F meet the advanced safety requirements of EN 1539 and allow the drying and heat treatment processes to be safely controlled by limiting the amount of solvents.

## Exterior



- Optimally ventilated  
So that no explosive solvent-air mixtures are formed in the effective space, a defined amount of hot air is constantly conducted away by an exhaust air fan and is replaced with fresh air.
- Everything sealed  
In order to prevent flammable materials from penetrating and mixing in the heat insulation, all points where the construction elements meet in the interior space are welded to create a seal.
- Turn down and relax  
The outward airflow can be reduced by 25 % after the end of the main evaporation phase. This allows for enormous energy and CO<sub>2</sub> savings – and, as a result, cash savings!

## Safety



- Total monitoring  
Observing the EN 1539 standard is no joke for us. We do not leave anything to chance and monitor absolutely everything – from the circulation and exhaust airflows to the maximum temperature and the minimum drying temperature profile. The safety-related parts of the control system meet the performance level d to optimally minimise risks.

### Ask the experts:

The permitted amount of flammable material is heavily dependent on the intended purpose. Contact us and we will design an ideal safety concept for you.

# Convincing technology. Reliable results.

The performance data at a glance:

Heating and Drying Ovens HeatEvent								
Type		60/60	60/90	75/125	100/150	125/200	150/200	200/200
Use space volume	cu ft	8	12	25	51	109	158	285
Inner chamber dimensions, W x H x D	in	24 x 24 x 24	24 x 35 x 24	30 x 49 x 30	39 x 59 x 39	49 x 79 x 49	59 x 81 x 59	79 x 81 x 79
Exterior dimensions, W x H x D	in	39 x 63 x 37	39 x 75 x 37	67 x 85 x 47	77 x 94 x 57	87 x 114 x 67	97 x 110 x 76	117 x 110 x 96
Footprint, W x D	in	39 x 33	39 x 33	66 x 47	77 x 57	87 x 66	97 x 76	117 x 96
Rated temperature	°C	220/300/350	220/300/350	220/300/350/400	220/300/350/400	220/300/350/400	220/300/350/400	220/300/350/400
Temperature distribution, spatial at 220°C (recirculating air mode)	K	±2.0	±2.5	±2.5	±2.5	±2.5	±3.0	±3.0
Temperature distribution, spatial at 300°C (recirculating air mode)	K	±2.5	±3.5	±3.5	±3.5	±3.5	±4.0	±4.0
Heating-up time to 220°C	min	18	22	18	18	23	35	35
Recovery time to 220°C after 30 sec	min	2.5	2.5	2.5	2.5	3.0	3.5	3.5
Heat output (220°C)	kW	7.2	14.4	18.0	26.4	39.6	52.8	52.8
Recirculating air volume flow	cu. ft./min	706	706	1412	2001	3178	3531	5297
Exhaust air volume flow	cu. ft./min	17	17	35	35	35	35	35
Shelves	max.	8	10	12	15	20	--	--
Empty weight	lbs	650	728	1213	1808	2535	3086	3902
Rated voltage	V AC	400 3/(N) PE						
Rated frequency	Hz	50						
Protection class		IP 54						
Additional features for Dryers and Ovens HeatEvent F								
Type		60/60	60/90	75/125	100/150	125/200	150/200	200/200
Exterior dimensions, W x H x D	in	39 x 63 x 46	39 x 74 x 46	66 x 86 x 47	77 x 106 x 57	87 x 126 x 66	97 x 126 x 76	117 x 126 x 96
Solvent quantity at 220°C	oz	.42	.57	1.14	1.88	2.91	3.43	4.6
Solvent quantity at 300°C	oz	.29	.40	.81	1.35	2.14	2.56	3.56
Exhaust air volume flow in solvent production	cu. ft./min	7	81.2	141.2	211.8	282.5	282.5	282.5
Vapour chamber volume	cu. ft.	13.03	17.72	45.38	86.41	162.98	227.10	386.94

# Become more efficient.

You'll save time and money with our solutions.

Get the most out of your test facility.



Create your own perfect testing process with the software SIMPATI simulation package.

Process management/documentation/networking

- Up to 99 systems can be networked
- Programmes for automatic processes
- Documenting, visualising and managing process data
- Traceability of process data for seamless quality control



We measure ourselves by our service!

Our services – lots of good reasons:

- Global service network
- Wide selection of preventive maintenance
- Reliable spare part supply
- Special deployments available any time
- Certified proper disposal of outdated devices

Our Service Experts are always near you.

24/7-Service-Helpline:  
+49 1805 666 556

# Passionately innovative.

We work in partnership to support companies in research, development, production and quality assurance.  
With 22 companies in 15 countries at 40 locations.

**weisstechnik**  
For a safe future.



## Environmental Simulation

The first choice for engineers and researchers for innovative, safe environmental simulation facilities. In fast motion, our test systems can simulate all the influences in the world as well as for instance in space. In temperature, climate, corrosion, dust or combined stress tests. With a very high degree of reproducibility and precision.



## Heat Technology

Experienced engineers and designers develop, plan and produce high-quality, reliable heat technology systems for a broad range of applications from heating and drying cabinets to microwave systems and industrial furnaces.

### Weiss Technik North America, Inc.

3881 N. Greenbrooke Dr. SE  
Grand Rapids, MI 49512 USA  
T 1-800-368-4768 • (616) 554-5020  
sales.na@weiss-technik.com  
www.weiss-na.com  
24/7 Service Support Helpline: 1-800-361-6731

### Weiss Technik GmbH

Heat Technology  
Greizer Straße 41-49  
35447 Reiskirchen/Germany  
T+49 6408 84-0  
info.ovens@weiss-technik.com  
www.weiss-technik.com



## Air Solutions

As the leading provider of clean rooms, climate technology and air dehumidification, we consistently ensure optimal climatic conditions for people and machines. For industrial production processes, in hospitals, mobile operation tents or in the field of information and telecommunications technology. From project planning to implementation.



## Pharmaceutical Technology

With decades of experience and know-how, we guarantee the most sophisticated clean air and containment solutions. Our comprehensive and innovative range of products includes barrier systems, laminar flow systems, safety workbenches, isolators, airlocks and stability test systems.



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**Test it. Heat it. Cool it.**