

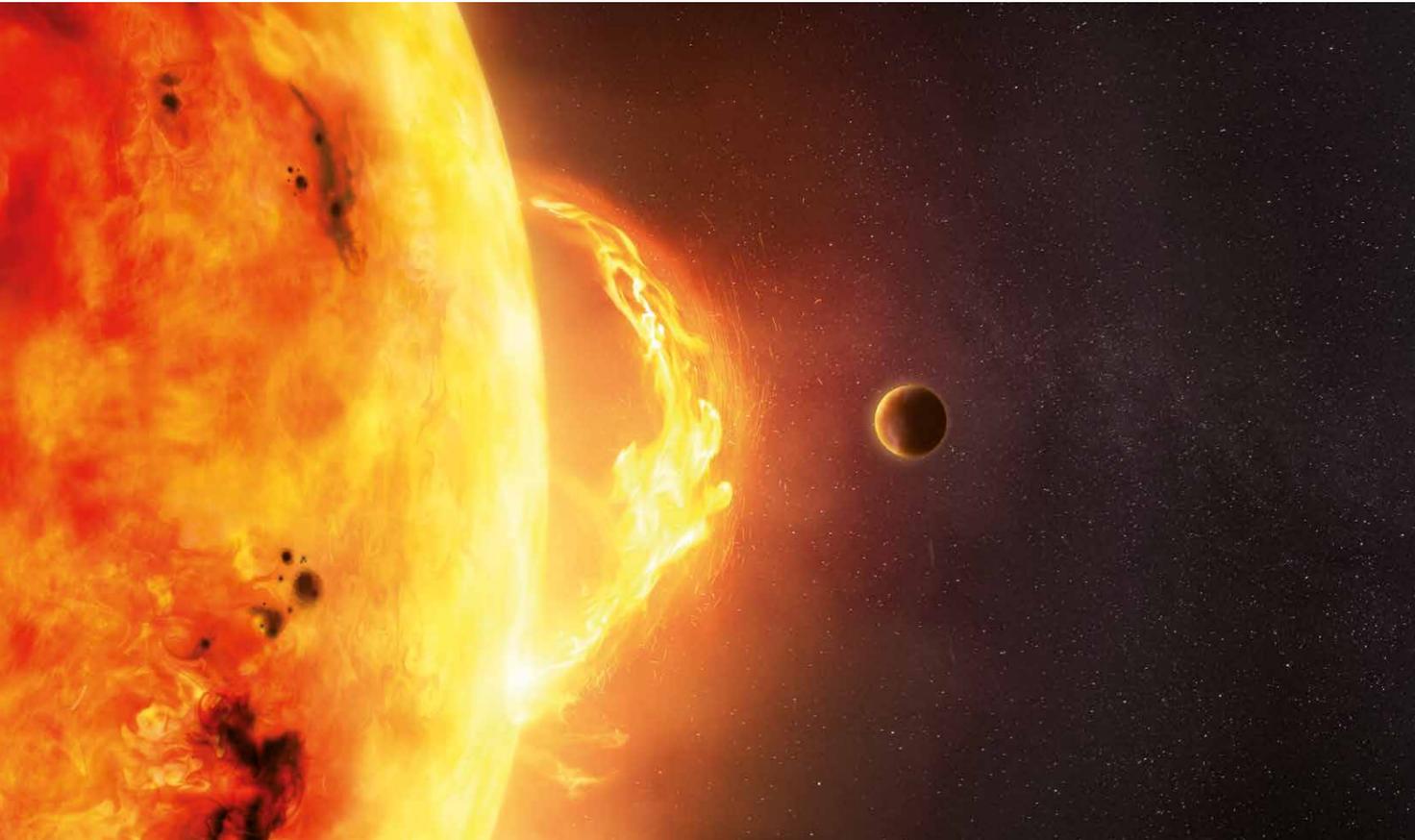


Heating and Drying Ovens HeatEvent



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.



Heat for your products.

Reproducible results plus the product quality connected to it, minimum space requirements, short processing times and a high level of productivity are the requirements in all industrial production areas. Your components and materials can be reliably, quickly and energy-efficiently heat-treated at temperatures of up to 400 °C with the Heating and Drying Ovens HeatEvent from **vötsch**technik. In this way, you can manufacture excellent products 24/7.

Competence for each process.

No matter how you want to use it - we have the right oven. Thanks to the high flexibility in standard and special zones, 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 types of heating we offer the best solution for your particular process.

Often copied, never matched.

Heating and Drying Ovens HeatEvent.

Completely thought through.

For over 100 years, we have considered your needs and we know what is important for you in your processes: reliable and reproducible production results in the shortest time. Therefore, we design our ovens to meet these needs. Thanks to the high performance, even temperature control in the working chamber, your products are subjected to the same conditions whatever their shape and properties. High heat output, good air exchange and short recovery times after the door has been opened ensure short processing times.

Perfectly manufactured.

Currently, more than 20,000 of our heating and drying ovens are in use. This success is primarily attributed to quality and quality is our greatest principle. In order to ensure reliable 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 without any ifs and buts.

Absolutely low maintenance.

Our ovens are very easy to operate and easy to service. The intelligent and coordinated control elements alongside the intuitive user interface ensure easy operation. Easily accessible components guarantee short service times. A fault diagnosis and inspection system, installed as standard, additionally optimises maintenance and repair times.



Your benefits:

- Smallest footprint with the largest effective 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.

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 **SIMPAC**®, 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 **WebSeason**® 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 miss out on anything**
In addition to the target temperature setting, the individually adjustable test material protection system ensures 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.

You can find further details on equipment in our technical descriptions. **Contact us.**



Image contains optional equipment

Reliable control as a standard:
Digital measurement and control system for operating and monitoring HeatEvent and for documenting the process parameters.



Tailor-made production.

Optional equipment for individual solutions.



Image contains optional equipment

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.
- **Bespoke 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 **SIMPATI®** allows for easy operation, documentation and archiving of your batch records.
- **100% traceability**
The optional module **SIMPATI® 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 record.



Play it safe.

Dryers and Ovens HeatEvent F, in which flammable substances are released.

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. **vötschtechnik** Dryers and 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



- Optimal ventilation**
 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 CO₂ 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.

You can find further details on equipment in our technical descriptions. **Contact us.**

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



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		HeatEvent 60/60	HeatEvent 60/90	HeatEvent 75/125	HeatEvent 100/150	HeatEvent 125/200	HeatEvent 150/200	HeatEvent 200/200
Inner chamber volume	m ³	0.216	0.324	0.7	1.5	3.125	4.5	8
Inner chamber dimensions, WxHxD	mm	600x600x600	600x900x600	750x1250x750	1000x1500x1000	1250x2000x1250	1500x2000x1500	2000x2000x2000
Exterior dimensions, WxHxD	mm	1000x1595x945	1000x1895x945	1710x2150x1190	1960x2400x1440	2210x2900x1690	2460x2900x1940	2960x2900x2440
Footprint, WxD	mm	1000x850	1000x850	1710x1190	1960x1440	2210x1690	2460x1940	2960x2440
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	±2.5	±2	±2	±2	±3	±3
Temperature distribution, spatial at 300°C (recirculating air mode)	K	±2.5	±3.5	±4	±2.5	±2	±4	±4
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	3.5	3.5
Heat output (220°C)	kW	7.2/14.4	14.4	9/19	13.2/26.4/39.6	26.4/39.6/52.8	39.6/52.8/66	52.8/79.2
Recirculating air volume flow	m ³ /h	1200	1200	2400	3400	5400	6000	9000
Exhaust air volume flow	m ³ /h	30	30	60	60	60	60	60
Shelves	max.	8	10	12	15	20	na	na
Empty weight	kg	295	330	550	820	1150	1400	1770
Rated voltage	V AC	400 3/PE	400 3/PE	400 3/PE	400 3/PE	400 3/PE	400 3/PE	400 3/PE
Rated frequency	Hz	50	50	50	50	50	50	50
Protection class		IP54	IP54	IP54	IP54	IP54	IP54	IP54
Additional features for Dryers and Ovens HeatEvent F								
Solvent quantity at 220°C	g	12	16.2	32.3	53.2	82.6	97.3	131.6
Solvent quantity at 300°C	g	8.4	11.4	23	38.4	60.7	72.8	101
Exhaust air volume flow in solvent production	m ³ /h	102	138	240	360	480	480	480
Vapour chamber volume	m ³	0.369	0.502	1.285	2.447	4.615	6.431	10.957

We reserve the right to make any technical changes without prior notice.

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

You can always find a service expert 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

Test it. Heat it. Cool it.



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.



Climate Technology, Air Dehumidification, Clean Rooms

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.



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.



Clean Air and Containment Systems

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 and airlocks.

Vötsch Industrietechnik GmbH

Heat Technology

Greizer Straße 41-49

35447 Reiskirchen/Germany

T +49 6408 84-73

info.ovens@weiss-technik.com

www.weiss-technik.com



WT-HeatEvent-01.2E/PP 1.0/11 2017