weisstechnik®
a schunk company

Temperature Test Chambers
TempEvent

Illustration is similar, contains additional equipment

Test whatever you like.

From bricks to circuit boards – in research, development and quality control, you won't want to take any chances. We'll support you.

From the North Pole to the Tropics.

Spring, summer, autumn and winter – your products must be able to withstand a variety of temperatures during manufacturing, transport, storage and use. The Temperature Test Chambers TempEvent help you to test the influence of temperature on the properties, function and lifespan of your products. Reproducible, certified and under accelerated conditions.

Lots to test? No problem!

When testing your products, you must adhere to numerous test standards and carry out long-term tests. Our test chambers are designed for these situations. Our models cover a wide range of applications and satisfy every need. For specific requirements, you can upgrade every system with many options based on your individual needs.

Perfection in performance, equipment and design.

Temperature Test Chambers TempEvent.

Precisely engineered.

We know what matters for your tests: reliable, precise and reproducible results. That's why we design our test chambers to meet exactly these demands. Because incorrect results lead to incorrect conclusions. With your needs in mind, we already eliminate any interference factors during the design phase, relying on our comprehensive expertise and years of experience.

Perfectly manufactured.

For us, quality is our daily business. We use only high-quality materials and manufacture many of the components for our test chambers in-house. In addition, we have regular quality checks in place throughout the entire production process.

Absolutely low maintenance.

Set up, plug in, start the test. The intelligent, compatible control elements and intuitive user interface guarantee easy operation. Easily accessible maintenance elements ensure minimal service times. Diagnostics and inspection systems in every machine additionally shorten downtimes and optimise maintenance periods.

Highlights at a glance:

- **New, eco-friendly refrigerant**
- **Optimised airflow and temperature distribution**
- **WEBSeason® web-based user interface**

weisstechnik

vötschtechnik

Our innovative Test Chambers are available as **weiss**technik or **vötsch**technik.

More equipment, right from the start.

Basic equipment setting standards.

weisstechnik vötschtechnik

Illustration is similar, contains additional equipment

Exterior

- **Move safely into the future – using the new refrigerant**
  The new refrigerant R449A is used in all Temperature Test Chambers TempEvent. The GWP value of just 1397 ensures safe usage even after 2030, and the refrigerant does not have to be replaced. As a result, we are already surpassing the future statutory standards today therefore future-proofing your tests, making the equipment easier to maintain and more environmentally friendly.

Interior

- **Art of engineering for more performance**
  The smartly engineered air guidance and the supply and exhaust air control system, which comes as standard, ensure the best performance in its class for TempEvent.

- **No chance for dirt or corrosion**
  The test chamber floor is made of highly-alloyed, extra corrosion-resistant stainless steel 1.4404. Thanks to special welding, smooth surfaces, rounded corners and complex stamped grid layers, the test chamber is easy to clean.

Regulation & Control

WEB Season®

- **Into the age of connectivity – with WEBSeason®**
  You can use the innovative **WEB**Season user interface to program, control and monitor your tests at any time and anywhere, even from your tablet or smartphone. Language and units can be set to suit the user and the settings can be saved. In this way, **WEB**Season provides a new dimension of flexibility and efficiency.

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

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green mode®

Thanks to the greenmode®, which comes as standard, TempEvent is the most energy-efficient device in its class.

Tailor-made testing.

Optional equipment for individual solutions.

Exterior

- **Everything at a glance**
  A multi-insulated observation window and the optimised test chamber lighting guarantee an optimal view.

- **Mobile and flexible**
  Two fixed and two swivel castors allow for sufficient flexibility in the mobile version.

Interior

- **Makes heavy loads child's play**
  Thanks to strengthened shelf and heavy load rails for up to 500 kg surface load, you can test even heavy weights extensively.

- **High or low, whatever you prefer**
  One or several drawers on telescopic rails can be flexibly positioned in the test chamber and offer secure support.

Regulation & Control

- **Set standards in communication**
  With **S!M**PATI® software, operating, documenting and archiving your test sequences is very easy.

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

Illustration is similar, contains additional equipment

ⓘ Our innovative Test Chambers are available as **weiss**technik or **vötsch**technik.

Developed exclusively for you:
The unique software package for the perfect test process.

S!M PATI®

Convincing technology. Reliable results.

The performance data at a glance.

Type	Exterior housing dimensions[1] H×W×D	Test space dimensions, H×W×D	Minimum temperature[2]	Maximum temperature	Temperature-changing rate cooling[3]	Temperature-changing rate heating[3]	Temperature deviation in time[4]	Temperature homogeneity in space[5]	Temperature gradient[6]	Maximum heat compensation at +20 °C[7]	Heat compensation at -20 °C
	mm	mm	°C	°C	K/min	K/min	K	K	K	W	W
PERFORMANCES FOR TEMPERATURE TESTS											
With temperature-changing speed of 3 K/min											
TempEvent T/180/40/3	1800×895×1570	750×580×450	-42	+180	4.0	4.0	±0.1 to ±0.5	±0.5 to ±1.0	≤2.0	2300	
TempEvent T/180/70/3	1800×895×1570	750×580×450	-72	+180	3.0	4.0				1500	
TempEvent T/340/40/3	1800×895×1885	750×580×765	-42	+180	4.0	3.2				2300	
TempEvent T/340/70/3	1800×895×1885	750×580×765	-72	+180	3.0	3.0				1500	
TempEvent T/600/40/3	2000×1115×1930	950×800×800	-42	+180	3.0	4.0				2500	
TempEvent T/600/70/3	2000×1115×1930	950×800×800	-72	+180	2.5	4.0				2500	
TempEvent T/1000/40/3	2000×1415×2105	950×1100×950	-42	+180	3.0	4.0				4500	
TempEvent T/1000/70/3	2000×1415×2105	950×1100×950	-72	+180	2.5	4.0				3000	
TempEvent T/1500/40/3	2000×1415×2630	950×1100×1475	-42	+180	2.5	3.5				4200	
TempEvent T/1500/70/3	2000×1415×2630	950×1100×1475	-72	+180	2.3	3.5				3000	
TempEvent T/2000/40/3	2000×1415×3305	950×1100×2150	-42	+180	2.0	2.5				3500	
TempEvent T/2000/70/3	2000×1415×3305	950×1100×2150	-72	+180	1.5	2.5				3000	
With temperature-changing speed of 5 K/min											
TempEvent T/180/40/5	1800×895×1570	750×580×450	-42	+180	8.0	8.0	±0.1 to ±0.5	±0.5 to ±1.0	≤2.0	4000	1300
TempEvent T/180/70/5	1800×895×1570	750×580×450	-72	+180	7.5	8.0				3000	3000
TempEvent T/340/40/5	1800×895×1885	750×580×765	-42	+180	6.8	7.0				4000	1300
TempEvent T/340/70/5	1800×895×1885	750×580×765	-72	+180	6.7	7.0				3000	3000
TempEvent T/600/40/5	2000×1115×1930	950×800×800	-42	+180	6.5	6.0				5000	1650
TempEvent T/600/70/5	2000×1115×1930	950×800×800	-72	+180	6.0	6.0				5000	5000
TempEvent T/1000/40/5	2000×1415×2105	950×1100×950	-42	+180	6.7	8.0				5000	1650
TempEvent T/1000/70/5	2000×1415×2105	950×1100×950	-72	+180	6.0	8.0				5000	5000
TempEvent T/1500/40/5	2000×1415×2630	950×1100×1475	-42	+180	6.3	7.0				5000	1650
TempEvent T/1500/70/5	2000×1415×2630	950×1100×1475	-72	+180	5.0	7.0				5000	5000

ℹ Our innovative Test Chambers are available as **weiss**technik or **vötsch**technik.

Convincing technology. Reliable results.

The performance data at a glance.

weiss**technik**   vötsch**technik**

Type	Exterior housing dimensions[1] H x W x D	Test space dimensions, H x W x D	Minimum temperature[2]	Maximum temperature	Temperature-changing rate cooling[3]	Temperature-changing rate heating[3]	Temperature deviation in time[4]	Temperature homogeneity in space[5]	Temperature gradient[6]	Maximum heat compensation at +20 °C[7]	Heat compensation at -20 °C
	mm	mm	°C	°C	K/min	K/min	K	K	K	W	W
PERFORMANCES FOR TEMPERATURE TESTS											
With temperature-changing speed of 10 K/min											
TempEvent T/270/40/10	1950 x 895 x 2155	750 x 580 x 615	-42	+180	12.5	10.0				6000	2000
TempEvent T/270/70/10	1950 x 895 x 2155	750 x 580 x 615	-72	+180	14.5	10.0				6000	6000
TempEvent T/480/40/10	2090 x 1115 x 2680	950 x 800 x 650	-42	+180	12.5	12.0				8000	3000
TempEvent T/480/70/11	2090 x 1115 x 2680	950 x 800 x 650	-72	+180	11.0	12.0	±0.1 to ±0.3	±0.5 to ±1.0	≤2.0	8000	8000
TempEvent T/800/40/10	2085 x 1415 x 2885	950 x 1100 x 800	-42	+180	12.0	12.0				8000	3000
TempEvent T/800/70/10	2085 x 1415 x 2885	950 x 1100 x 800	-72	+180	12.0	12.0				8000	8000
TempEvent T/1300/40/10	2085 x 1415 x 3410	950 x 1100 x 1325	-42	+180	11.5	11.0				8000	3000
TempEvent T/1300/70/10	2085 x 1415 x 3410	950 x 1100 x 1325	-72	+180	10.5	11.0				8000	8000
With temperature-changing speed of 15 K/min											
TempEvent T/270/40/15	1950 x 895 x 2155	750 x 580 x 615	-42	+180	16.0	15.0				8000	3000
TempEvent T/270/70/15	1950 x 895 x 2155	750 x 580 x 615	-72	+180	18.0	15.0				8000	8000
TempEvent T/480/40/15	2090 x 1115 x 2680	950 x 800 x 650	-42	+180	15.0	17.0				8000	3000
TempEvent T/480/70/15	2090 x 1115 x 2680	950 x 800 x 650	-72	+180	15.0	17.0	±0.1 to ±0.3	±0.5 to ±1.0	≤2.0	8000	8000
TempEvent T/800/40/15	2085 x 1415 x 2885	950 x 1100 x 800	-42	+180	18.0	16.0				8000	3000
TempEvent T/800/70/15	2085 x 1415 x 2885	950 x 1100 x 800	-72	+180	15.0	16.0				8000	8000
TempEvent T/1300/40/15	2085 x 1415 x 3410	950 x 1100 x 1325	-42	+180	17.0	16.0				8000	3000
TempEvent T/1300/70/15	2085 x 1415 x 3410	950 x 1100 x 1325	-72	+180	14.5	16.0				8000	8000
With temperature-changing speed of 20 K/min											
TempEvent T/270/40/20	1950 x 895 x 2155	750 x 580 x 615	-42	+180	20.0	20.0				8000	3000
TempEvent T/270/70/20	1950 x 895 x 2155	750 x 580 x 615	-72	+180	20.0	20.0				8000	8000
TempEvent T/480/40/20	2090 x 1115 x 2680	950 x 800 x 650	-42	+180	20.0	20.0	±0.1 to ±0.3	±0.5 to ±1.0	≤2.0	8000	3000
TempEvent T/480/70/20	2090 x 1115 x 2680	950 x 800 x 650	-72	+180	20.0	20.0				8000	8000
TempEvent T/800/40/20	2085 x 1415 x 2885	950 x 1100 x 800	-42	+180	20.0	20.0				8000	3000

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Convincing technology. Reliable results.

The performance data at a glance.

Type	Exterior housing dimensions[1] H x W x D	Test space dimensions, H x W x D	Minimum temperature[2]	Maximum temperature	Temperature-changing rate cooling[3]	Temperature-changing rate heating[3]	Temperature deviation in time[4]	Temperature homogeneity in space[5]	Temperature gradient[4,6]	Maximum heat compensation at +20 °C[7]	Heat compensation at -20 °C
	mm	mm	°C	°C	K/min	K/min	K	K	K	W	W
PERFORMANCES FOR TEMPERATURE TESTS											
TempEvent T/800/70/20	2085 x 1415 x 3285	950 x 1100 x 800	-72	+180	20.0	20.0	±0.1 to ±0.3	±0.5 to ±1.0	≤2.0	8000	8000
TempEvent T/1300/40/20	2085 x 1415 x 3410	950 x 1100 x 1325	-42	+180	20.0	20.0				8000	3000
TempEvent T/1300/70/20	2085 x 1415 x 3810	950 x 1100 x 1325	-72	+180	20.0	20.0				8000	8000
With temperature-changing speed of 25 K/min											
TempEvent T/270/70/25	1950 x 895 x 2155	750 x 580 x 615	-72	+180	25.0	25.0	±0.1 to ±0.3	±0.5 to ±1.0	≤2.0	8000	8000
TempEvent T/480/70/25	2535 x 1115 x 2985	950 x 800 x 650	-72	+180	25.0	25.0				8000	8000
TempEvent T/800/70/25	2085 x 1415 x 3285	950 x 1100 x 800	-72	+180	25.0	25.0				8000	8000
TempEvent T/1300/70/25	2015 x 1415 x 3810	950 x 1100 x 1325	-72	+180	25.0	25.0				8000	8000
Calibration values (factory calibration):	+80 °C and -25 °C for TempEvent T/270/40/10 to T/1300/40/20 +80 °C and -40 °C for TempEvent T/270/70/10 to T/1300/70/25										

[1]The required clearances can be reduced by dismounting components.
[2]Temperatures >+5 °C are permitted in continuous operation; temperatures <+5 °C are permitted discontinuously or with the addition of a compressed air dryer.
[3]According to IEC 60068-3-5; average, measured in the supply air.
[4]In the middle of the test space when it is empty and in steady state, without specimen, without heat radiation and without additional equipment, depending on temperature.
[5]Relative to the selected set point in the temperature range from the minimum temperature up to +150 °C.
[6]Up to 150 °C according to IEC 60068-3-5:2001 and/or JJF 1101-2003.
[7]At +20 °C.

The performance data refer to +25 °C ambient temperature and +18 °C cooling water temperature,
400 V/50 Hz nominal voltage, without specimen, without optional equipment and without heat compensation.
The product needs fluorinated gases for functioning.
Depending on the type, it contains refrigerants R449A and R23.

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

ⓘ Our innovative Test Chambers are available as **weiss**technik or **vötsch**technik.

Become more efficient.

Our solutions will save you time and money.

Get the most out of your test facility.

Create your own perfect testing process with the S!MPATI® software package.

Process management/documentation/networking

- Up to 99 systems can be connected
- Programs for automated processes
- Documentation, visualisation and management of process data
- Traceability of process data for seamless quality control

We measure ourselves by our service!

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

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 **weiss**technik expert near you.

Quicker, longer, harder.

Test Chambers for special requirements.

Is there an explosion hazard originating from your product? Do you want to carry out a weathering test on your product including temperature change and UV rays? No problem! On request, we will equip your Test Chamber with explosion protection or an irradiation unit. Integration of further parameters is also possible - contact us!

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.

Management System ISO 9001:2008

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