



Walk-in Chambers ClimeEvent



Illustration is similar, contains optional equipment

Test whatever you like.

From ABS units to a gear drive - 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.

Seasonal differences, different climatic zones - your products must be able to withstand a variety of temperatures during manufacturing, transport, storage and use. The Walk-in Chambers ClimeEvent help you to test the influence of temperature and humidity on the properties, function and lifespan of your products. Reproducible, certified and under accelerated conditions.

Simple and flexible.

Standardised solutions can be so flexible. Thanks to the modular system, the Walk-in Chambers ClimeEvent can be configured quickly and easily. The wide range of options enables us to meet your individual needs, resulting in a perfectly coordinated complete solution that will meet even the highest standards of your industry.

Perfection in performance, equipment and design.

Walk-in Chambers ClimeEvent.

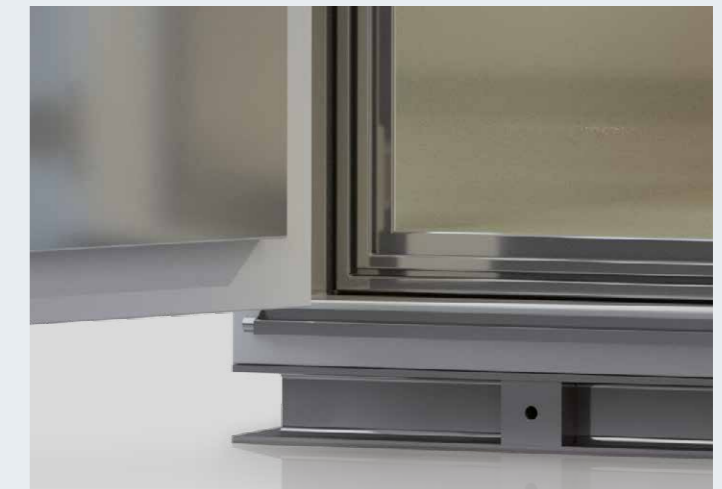
Precisely engineered.

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, primarily in the particularly challenging field of cooling technology. 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
- Highest level of control accuracy thanks to the perfect coordination of air conditioning, cooling technology and control units
- Web-based user interface **WEBSeason®**

More equipment, right from the start.

Basic equipment setting standards.



Illustration is similar, contains optional equipment

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

Exterior



- **Move safely into the future - using the new refrigerant**

The new refrigerant R449A is used in all Climate Test Chambers ClimeEvent. 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, making your testing needs future-proof, the equipment easier to maintain and more environment-friendly.

- **Efficient, more efficient, ClimeEvent**

Thanks to numerous measures, e.g. a 200 mm thick double-layer insulation or latest generation high-efficiency EC fans, the Walk-in Chambers ClimeEvent are among the most efficient systems in their class. The electronic cooling water regulator installed in every system ensures a highly efficient operation, saving cost for operating water-cooled equipments.

Interior



- **No chance for dirt or corrosion**

The test chamber and the test chamber floor are made of highly-alloyed, extra corrosion-resistant stainless steel 1.4404, making the Walk-in Chamber ClimeEvent particularly durable.

- **Get involved**

To insert individual measurement cables or supports into the chamber, two stainless steel ports with 125 mm diameter each are included as standard.

Regulation & Control



- **Into the age of connectivity - with WEBSeason**



You can use the innovative **WEBSeason** 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, **WEBSeason** provides a new dimension of flexibility and efficiency.

Reliable control in series:

Digital measurement and control system for operating and monitoring of the test chamber.



Tailor-made testing.

Optional equipment for individual solutions.

Exterior



- **Great climate**
With the optional climatic package expansion, climatic tests with climatic values between 10% and 95% RH at temperatures of +10 °C to +90 °C can be carried out in the compact chamber.
- **Everything in view**
In addition to the multi-layered observation window in the door, up to six viewing windows can be installed in the side walls.

Interior



- **Already available**
You can simply add the PV 1200, PV 2005 and BMW 308.2 packages as they come in preconfigured standard options.

Regulation & Control



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



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

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



Advanced technology. Reliable results.

The performance data at a glance.

Type	Exterior housing dimensions, HxWxD ¹	Test space dimensions, HxWxD	Test space volume	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	Minimum temperature	Maximum temperature	Dewpoint temperature range ⁶	Humidity range	Humidity constancy in time ⁷	Temperature homogeneity in time ⁴	Temperature homogeneity in space ⁵												
	mm	mm	m ³	°C	°C	K/min	K/min	K	K	°C	°C	°C	% RH	% RH	K	K												
PERFORMANCES FOR			TEMPERATURE TESTS							CLIMATIC TESTS																		
ClimeEvent T/9/40/2	3180x3750x6710	2000x2200x2100	9	-40	+150	2.0	2.0	±0.1 to ±0.5	±0.1 to ±2.0	Without climatic operation																		
ClimeEvent T/9/70/2				-70																								
ClimeEvent T/11/40/2	3480x3750x6710	2300x2200x2100	11	-40																								
ClimeEvent T/11/70/2				-70																								
ClimeEvent T/14/40/2	3180x3750x7710	2000x2200x3100	14	-40																								
ClimeEvent T/14/70/2				-70																								
ClimeEvent T/16/40/2	3480x3750x7710	2300x2200x3100	16	-40																								
ClimeEvent T/16/70/2				-70																								
ClimeEvent T/18/40/2	3180x3750x8710	2000x2200x4100	18	-40																								
ClimeEvent T/18/70/2				-70																								
ClimeEvent T/21/40/2	3480x3750x8710	2300x2200x4100	21	-40																								
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ClimeEvent C/9/40/2	3180x3750x6710	2000x2200x2100	9	-40													+150	2.0	2.0	±0.1 to ±0.5	±0.1 to ±2.0	+10	+90	+6 to +88	10 to 95	±1 to ±5	±0.1 to ±0.5	±0.1 to ±2.0
ClimeEvent C/9/70/2				-70																								
ClimeEvent C/11/40/2	3480x3750x6710	2300x2200x2100	11	-40																								
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ClimeEvent C/21/70/2				-70																								
Calibration values:				+23 °C and +80 °C for all models						+23 °C/50% RH and +90 °C/50% RH for all ClimeEvent C																		

¹Including aggregation unit and maintenance area. The required clearances can be reduced by dismantling components.

²Temperatures >+5 °C are permitted in continuous operation; temperatures <+5 °C are permitted discontinuously or with the addition of a compressed air dryer.

³According to IEC 60068-3-5; average, measured in the supply air.

⁴In 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.

⁵Relative to the selected set point in the temperature range from the minimum temperature up to +150 °C or with humidity >20% RH.

⁶Discontinuous operation (+4 °C to -3 °C).

⁷In the middle of the test space when it is empty and in steady state, depending on climatic value.

The performance data refer to +25 °C ambient temperature and +27 °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.

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 SIMPATI® 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

Quicker, longer, harder.

Test Chambers for special requirements.

You want to test a large item and need a test chamber with a greater interior volume? Or you need faster heat-up and/or cool-down rates? No problem! As required, we can provide you with special solutions that are tailored exactly to your requirements. Get in touch with us!



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

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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.

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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.

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