



Maximum speed for guaranteed quality.

Our stress screening test chambers - for demanding testing and uncompromising dynamics.

Our stress screening test chambers enable extremely fast temperature changes of up to 25 K/min and are ideal for demanding tests in aerospace, defence and electronics. Even heavy test specimens of up to 500 kg are tested under realistic, dynamic conditions – without compromising on speed. With heat compensation of, for example, 8000 W at 20 °C, the testing conditions remain stable and reliable even for powerful hardware such as CPUs, GPUs or TPUs.

Our Highlights:

- Meets common standards such as MIL-STD-810H or JEDEC JESD
- High change rates of up to 25 K/min (30 K/min on request).
- High heat compensation for stable high-power testing
- Reduced CO₂ footprint and energy costs thanks to GreenMode
- Flexible connection, ready for any test environment
- Flexible mechanical interfaces for individual requirements

Compelling technology. Reliable results.

Stress screening test chambers, TempEvent		
Test space volume	l	270 to 1300
Temperature change rate ²	K/min	10 to 25
Temperature range ¹	°C	-70 to 180
Temperature deviation in time ³	K	±0,1 to ±0,5
Temperature homogeneity ⁴	K	±0,5 to ±2
Heat compensation (more on request)	W	6000 to 8000
Cooling		water-cooled
Refrigerant (main / deep cooling)		R449A / R23 (R469A)

¹Temperatures > +5 °C can be achieved in continuous operation, temperatures < +5 °C discontinuously.

²According to IEC 60068-3-5; average, measured in the supply air.

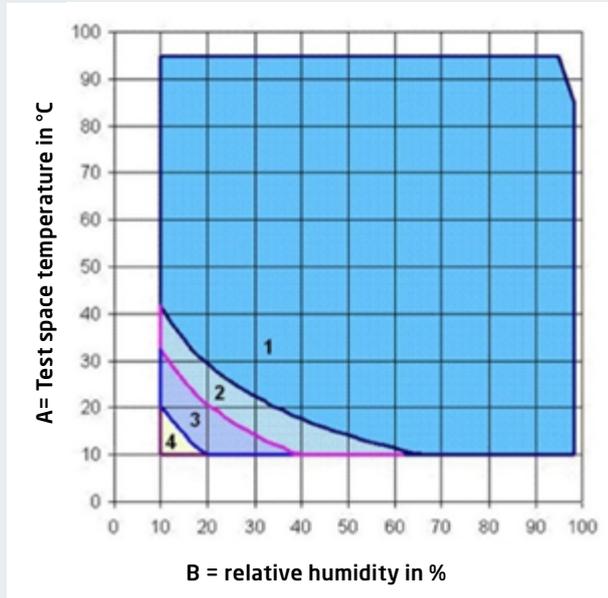
³In the centre of the test chamber in a steady state, without test specimen, without irradiation and without additional equipment, depending on the temperature.

⁴Based on the setpoint set in the temperature range from minimum temperature to +150 °C or humidity >20 % RH. (no measurement uncertainty).

All performance data mentioned refers to an ambient temperature of +25 °C and a cooling water temperature of +18 °C.

The product needs fluorinated gases for functioning.

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



1. Standard humidity range in continuous operation
2. Standard humidity range in discontinuous operation, dew point temperature range +4 °C bis -3 °C
3. Extended humidity range with compressed air dryer (optional), dew point controlled to -12 °C
4. Extended humidity range with compressed air dryer (optional) and capacitive humidity measuring system (optional), dew point controlled to -20 °C

Included in the standard configuration:

- ✓ Integrated webpanel: 18 cm (7") for 270 & 480 litres, 25.4 cm (10") from 800 litres test chamber volume
- ✓ 3 x test specimen protection including hardware specimen protection
- ✓ USB port for data recording (csv) and Ethernet port
- ✓ 2 access ports (right 125 mm & left 50 mm)
- ✓ Robust stainless steel test chamber, floor made of durable 1.4404 steel for increased longevity
- ✓ 4 digital inputs and outputs for controlling customer-side facilities

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Zum Produkt