



## Test reliably with CO<sub>2</sub> cooling technology!

**New components make it possible.**

Reproducible results, testing norms complied with and the new EU refrigerant regulation fulfilled – no problem for our temperature and climate testing devices. Ensure the future-proof, long-term operation of your systems!

### **Our highlights:**

- Only CO<sub>2</sub> refrigerant used with GWP 1
- –50°C reliably achievable
- Cooling rates up to –40°C virtually linear

# Reproducible test results. Impressive technology.

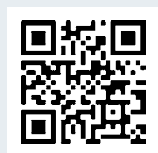
From 1st January 2025, test cabinets and chambers may be sold in the EU only with refrigerants with a GWP smaller than 150. New cooling technology on the basis of CO<sub>2</sub> (GWP 1) achieves low temperatures of -50 °C and replaces the old -40 °C class\*.

We're best prepared for this: component tests have been successfully carried out since 2022 and prototype devices have been running steadily since then.

## Available devices with CO<sub>2</sub> refrigerant:

- **LabEvent cabinets** from 34 to 500 litres
- **ClimeEvent cabinets** from 180 to 3,600 litres
- **ClimeEvent chambers** from 9 to 40 m<sup>3</sup>
- **PharmaEvent cabinets** from 600 to 2,000 litres

All devices for special applications, for example SunEvent, EmissionEvent, SaltEvent, AirEvent and ShakeEvent, will also be available with CO<sub>2</sub> cooling technology.



More info.

\*For safety reasons, cascade devices with R449A/R469A remain as before.

## Your advantages:

- Conformity with the new EU refrigerant regulation without exception
- No leakage tests required
- Standardised cooling systems with various performance classes for all test chamber sizes available with cooling rates of 2 to over 10 K/min
- Device dimensions and connections stay the same
- Set-up conditions stay the same (coolant and ambient temperature)
- Refrigerant fill amount does not require a gas monitoring in the room
- Repairs permitted without additional leakage tests
- Higher performance control SIMPAC 2.0 built in
- Noise levels drastically reduced
- Energy consumption significantly lower than before

## Selection of possible test norms that can easily be fulfilled with new CO<sub>2</sub> cooling technology:

- IEC 60068-2-38
- IEC 60068-2-14 Nb
- ISO 16750-4
- MIL-STD-810G, Method 502.5 C2
- PV 1200
- PV 1210



## Our services - lots of good reasons:

- Global service network
- Wide range 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:  
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