



VAULTZ

art of cryo

HIGH-PERFORMANCE CRYO CHAMBERS

Controlled cold applications for hotels,
premium spas and modern wellness concepts.

Cold as a contemporary premium application concept

Controlled whole-body cold applications are increasingly becoming an integral part of modern spa, wellness and performance concepts. They complement existing offerings with a clearly structured temperature experience, defined duration and reproducible conditions.

Unlike traditional wellness applications, cold applications are based on a precisely controllable temperature stimulus. Duration, temperature range and user guidance are clearly defined, enabling predictable integration into professional operational processes.

The industrial system architecture creates a reliable application concept that can be seamlessly integrated into existing spa, hotel or performance environments.

For operators, this results in a distinct premium offering with a clear structure, technical stability and long-term integration capability — positioned as a complementary experience within the overall portfolio.

What is a whole-body cold application?

An application typically lasts between 1.5 and 5 minutes.

The dry cold acts as an intense temperature stimulus on the body.

Many users describe the application as:

- invigorating and refreshing
- activating
- focusing

Important for operators:

The application is carried out under clearly defined system conditions and can be reproducibly integrated into existing workflows.



–75 °C | –85 °C | –110 °C

Electrical high-performance cryo chambers

30+ years of experience

Development of complex refrigeration systems since 1991

Made in Germany

In-house development and manufacturing



STRUCTURED INTEGRATION INTO YOUR CONCEPT

VAULTZ systems are designed for continuous professional operation.

They enable:

- Predictable application times: Clearly defined time slots and structured workflows in daily operation
- Stable temperature control: Consistent conditions for every application.
- Clearly defined user guidance: Safe and transparent processes for staff and guests.
- Reproducible system conditions: A reliable additional offering with long-term integration capability.

The system architecture can be configured as a

**1-room-,
2-room- or
3-room-solution**

depending on
the concept.

Cold applications are integrated into high-end concepts as a standalone experience element, contributing to the clear positioning of modern spa or performance offerings.

Typical application areas:

- Hotels & Resorts
- Spa & Wellness Facilities
- Performance & Fitness Centers
- Cryo Studios
- Private Luxury Installations
- Corporate Health & Special Projects

V1 – Compact single-room system for individual applications

Single-room high-performance cryo chamber | -75 °C | 1 person



The Single Vaultz systems are designed for space-efficient installations with clearly defined, reproducible application processes. The compact single-room system enables controlled cold applications at a professional level with minimal space requirements.

Thanks to its structured system architecture, the V1 is particularly suitable for hotels, spas, studios and

exclusive private installations where a high-quality individual application is to be integrated.

Technical specifications:

- Temperature: -75 °C
- Capacity: 1 person
- Control: Microsoft Surface Tablet (Windows)

Environmental conditions:

- Ambient temperature: approx. 18-23 °C
- Condenser: air- or water-cooled

Equipment:

- LED lighting
- Full-glass entrance door
- Digital system control
- Optional VPN access

Compact design

Space-efficient single-room system for flexible integration into existing spatial concepts.



Reproducible application

Controlled cold application under clearly defined system conditions for professional use.



Intuitive system control

Digital control via Microsoft Surface Tablet with a clearly structured user interface.





V1 lux – Premium single-room system for individual applications

Single-room high-performance cryo chamber | -85 °C | 1 person



The V1 lux represents the extended premium version of the compact single-room system and has been specifically developed for high-end spa, hotel and luxury installations.

In addition to stable ultra-low temperatures, the system offers enhanced comfort and design features that elevate the application experience and enable seamless integration into demanding spatial concepts.

Technical specifications

- Temperature: -85 °C
- Capacity: 1 person

Control:

- Microsoft Surface Tablet (Windows)
- Premium control unit including wall mount

Environmental conditions:

- Ambient temperature: approx. 18–23 °C
- Condenser: air- or water-cooled

Extended features:

- Music playback within the application chamber
- Design-oriented system configuration

Premium design integration

Design-oriented system configuration for high-end spa, hotel and luxury environments.

Application experience

Additional comfort features to enhance the cold application within the premium segment.

Control unit

Extended system control with intuitive operation and controlled application time management.



V2 – Two-room system for higher-capacity applications

Multi-room system | up to -110 °C | up to 6 persons



Structured cold applications with higher capacity

The V2 system operates with a two-stage room structure for optimized user guidance and enables controlled cold applications for multiple users simultaneously. The combination of an antechamber and application chamber creates a clearly defined, reproducible application concept for continuous professional operation.

Temperature zones:

- Antechamber: -60 °C
- Application chamber: -110 °C

Capacity:

- Up to 6 persons simultaneously

Control:

- 22-inch industrial touchscreen
- PLC control system (Siemens)

Equipment:

- Camera in the application chamber
- Intercom system
- Integrated speaker system
- Large viewing window
- Hemlock wood handrail
- Emergency door available

Environmental conditions:

- Ambient temperature: approx. 18–23 °C

Multi-room system

Two-stage room structure for optimized user guidance and group applications.



Reproducible application

Controlled cold applications under stable system conditions in continuous operation.



Industrial system control

22-inch industrial touchscreen with PLC control (Siemens) for precise system management.



-110 °C		-60 °C	-10 °C
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V3 – Three-room system for higher-capacity applications

Multi-room system | up to -110 °C | up to 6 persons



Multi-stage temperature adaptation concept for premium installations.

The V3 system is the largest VAULTZ system configuration with a three-stage room concept and has been specifically developed for demanding spa, hotel and high-end installations. The graduated temperature control allows for structured adaptation prior to the main chamber and supports a controlled, professional application process.

Temperature zones:

- Room 1: -10 °C
- Room 2: -60 °C
- Application chamber: -110 °C

Capacity:

- Up to 6 persons

Steuerung:

- 22-inch industrial touchscreen
- PLC control system (Siemens)

Equipment:

- 2 deluxe viewing windows
- Camera monitoring
- Intercom system
- Integrated speaker system
- Hemlock wood handrail
- Emergency door available

Environmental conditions:

- Ambient temperature: approx. 18–23 °C

Premium design integration

Design-oriented system configuration for high-end spa and luxury environments.



Three-stage room concept

Three-stage temperature zones for structured and professional cold applications.



Industrial control unit

PLC control system (Siemens) with 22-inch industrial touchscreen for precise system control.



COMPARISON OF VAULTZ MODELS

The following overview compares the key technical features of the VAULTZ systems at a glance — from temperature zones and room concepts to equipment and control systems.

Orientation:

V1/V1 lux:

Compact single-room systems for individual applications

V2/V3:

Multi-room systems for higher capacity (up to 6 persons)



	V1	V1 lux	V2	V3
Series	single Vaultz	single Vaultz	vario Vaultz	vario Vaultz
Room concept	1-Room	1-Room	2-room (antechamber + application chamber)	3-room (2 antechambers + application)
Window	–	–	Large viewing window into the application chamber	2 large viewing windows into the antechamber and application chamber
Condenser	water- or air-cooled	water- or air-cooled	water- or air-cooled	water- or air-cooled
LED lighting	✓	✓	✓	✓
Application temp.	–75 °C	–85 °C	–110 °C	–110 °C
Number of people	1	1	up to 6	up to 6
Full glass entrance door	✓	✓	✓	✓
Internal doors	–	–	✓	✓✓
Emergency exit	–	–	✓	✓
Music playback	–	✓	✓	✓
Camera in the application chamber	–	–	✓	✓
Intercom system in the application chamber	–	–	✓	✓
Remote monitoring	✓	✓	✓	✓
Control unit	Surface Tablet	Surface Tablet	22" Touch panel	22" Touch panel
Typical target group	Entry-level / small studio	Premium single chamber	Performance center	High-frequency studio / clinic

UNICAL VAULTZ

Custom high-performance cryo chambers for specific requirements

UNICAL VAULTZ stands for project-specific cryo chamber solutions that go beyond standardized room concepts. Each system is individually planned and precisely adapted to spatial, technical and operational requirements.

UNICAL solutions are used wherever standard systems are not sufficient — for example in complex architectural environments, challenging spatial conditions or when higher capacity is required.

Despite their project-specific design, all UNICAL systems are based on the same industrial refrigeration technology as the VAULTZ series models. Temperature stability, safety and system structure remain fully consistent.

Project development with technical depth

From the analysis of spatial conditions to system design and

integration into existing architectural and operational concepts, implementation is carried out in close coordination with planners, architects and operators.

Development, manufacturing and technical design are handled entirely in-house — with clear manufacturer responsibility across all project phases, from initial planning to final commissioning.

Individual room dimensions

Adaptation of size, layout and access conditions to existing or newly planned spaces.

Mobile and modular system solutions

Container-based or modular concepts that can be flexibly deployed or expanded depending on location.

Extended usage concepts

System design for specific requirements such as higher user capacity, specialized application processes or unique project environments.

Integration into demanding architecture

Technical integration into high-end spa, hotel, performance or private concepts — aligned with design and spatial impact.



PROJECT CONSULTING & SYSTEM CONCEPT

From initial planning to
long-term operation

The integration of a high-performance cryo chamber or a multi-sensory Tec-Spa module requires more than selecting a system. Spatial conditions, technical infrastructure, user guidance and economic objectives must be aligned at an early stage.

Art of Cryo supports projects in a structured way — from initial analysis and system design through to commissioning and long-term integration into operation.

1

Analysis of spatial conditions

Evaluation of available space, connections, room climate and structural requirements.

2

Definition of the usage concept

Individual applications, multi-room systems, capacity requirements and integration into existing workflows.

3

System design

Selection of the appropriate VAULTZ model structure or development of a UNICAL solution.

4

Technical planning & integration

Coordination with architects, technical planners and operators.

5

Installation & commissioning

Delivery, installation, system briefing and long-term support.



Holistic project integration with clear manufacturer responsibility

Individual system planning and project development in close coordination with operators — from the concept phase through to integration into ongoing operation.

We do not only analyze technical requirements, but take a holis-

tic view of each project: spatial structure, user guidance, capacity utilization and long-term scalability.

As a manufacturer with in-house development and production in Germany, we take responsibility

across all project phases — from technical system design to final on-site implementation.

Transparency, clearly defined structures and reproducible system conditions remain at the core of this approach.

LET'S TALK
ABOUT YOUR
PROJECT.



art of
cryo



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