

Cold Rooms:

Refrigerating Cold Rooms:

Thalheimer cold rooms excel by outstanding reliability, efficiency and safety. These cold rooms were designed to meet the needs of industrial and research laboratories and keep a constant interior temperature $+4^{\circ}\text{C}$ at ambient temperature up to $+32^{\circ}\text{C}$. The cold rooms are perfectly suited for storage of big amounts of chemicals and different kinds of laboratory samples. The cold rooms can be manufactured in different sizes according to our standards or customer's needs.

The camlocks system of the cold room guarantees stability and tightness and makes possible later extension or dismounting for moving. We offer you the wide range of cold rooms which represents 30 standard sizes with 3 different heights. The cooling machines can be mounted on the top of the cold room, alongside on the wall or remote. They can be manufactured as a normal or explosion-proof model. The door is 80 cm wide; the height depends on the height of the cold room. The doors are equipped with heavy chromed hinges and chromed lockable push-in safety lock.

The floor of the cold room is made of non-slip and waterproof sandwich panels with possible wheel load of 200 kg per a wheel and high wear resistance.

Technical Specification:

Preservation temperature:	$+4^{\circ}$ (tolerance $\pm 1.5^{\circ}\text{C}$) digital indication
Ambient temperature:	up to $+32^{\circ}\text{C}$ /up to $+43^{\circ}\text{C}$ on request
Exterior material:	Stainless steel type 1.4301 (AISI 304) OR hot galvanized sheet steel coated with enamel
Interior material	Stainless steel type 1.4301(AISI 304) OR 0,8 mm thick hot galvanized sheet steel enameled
Insulation:	Polyurethane, CFC-free, high density foam 80 mm thick, heat transfer coefficient $0,240\text{ W/m}^2\text{K}$ (thickness and heat transfer coefficient depend on requested temperature)

Doors:	Vertical construction, door frame heating on request, locks can be opened from inside by pushing even if locked by the key
Floor	Non-slip and water proof
Cooling system:	Can be mounted on the top panel of a cold room, alongside the refrigerator or remotely, hermetically enclosed, air-ventilated, vibration-free, refrigerant R134a CFC-free, automatic time controlled defrosting, safety thermostat, microprocessor controller
Alarm system:	Signaling at temperature instability, voltage 230 V / equipped with accumulator in case of power failure on request, can be connected to remote alarm control through potential-free terminal
Voltage:	230V/50Hz/1ph/ 16 A (other voltage on request)
Optional accessories:	Interior light with separate switch or door contact-switch, Blinds for ceiling and sides, Rack systems made of stainless steel with sheet steel or grid shelves, height adjustable Water-cooled refrigeration system, Humidity control, Additional cooling system automatically switches on if failure occurs

