

## Cold Rooms:

### Freezing Cold Rooms:

Thalheimer freezing cold rooms excel by outstanding reliability, efficiency and safety. The freezing cold rooms were designed to meet the needs of industrial and research laboratories and keep interior temperature from +0° C to -25° C at ambient temperature up to +32° C. The freezing cold rooms are perfectly suited for storage of big amounts of all kinds of samples. The freezing cold rooms can be manufactured in different sizes according to our standards or customer's needs.

The camlocks system guarantees stability and tightness of the freezing cold rooms and makes possible later extension of the cold room 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. Freezing cold rooms 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 of the freezing cold rooms are equipped with heavy chromed hinges and chromed lockable push-in safety lock.

### Technical Specification:

<b>Preservation temperature:</b>	+4° (tolerance $\pm 1.5^\circ$ C) digital indication
<b>Ambient temperature:</b>	up to +32° C/up to + 43 <sup>0</sup> C on request
<b>Exterior material:</b>	Stainless steel type 1.4301 (AISI 304) OR hot galvanized sheet steel coated with enamel
<b>Interior material</b>	Stainless steel type 1.4301(AISI 304) OR 0,8 mm thick hot galvanized sheet steel enameled
<b>Insulation:</b>	Polyurethane, CFC-free, high density foam 80 mm thick, heat transfer coefficient 0,240 W/m <sup>2</sup> K (thickness and heat transfer coefficient depend on requested temperature)
<b>Doors:</b>	Vertical construction, door frame heating on request, locks can be opened from inside by pushing even if locked by the key
<b>Floor</b>	Non-slip and water proof

<b>Cooling system:</b>	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
<b>Alarm system:</b>	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
<b>Voltage:</b>	230V/50Hz/1ph/ 16 A (other voltage on request)
<b>Optional accessories:</b>	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

