

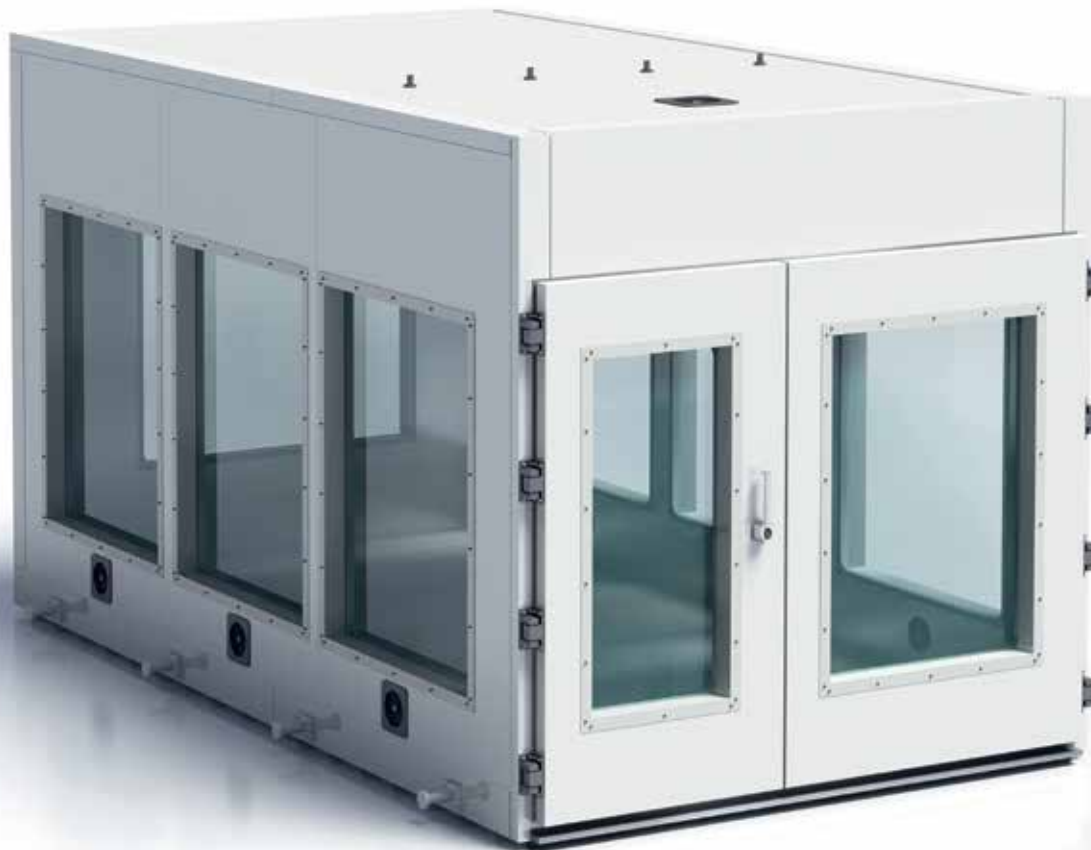
ROMA INSULATION SYSTEMS

Environmental simulation and testing chambers

Customized to your exact specifications

SO EVERYTHING FITS. **ROMA**

ROMA customized environmental and testing chambers



The tiniest details can make a big difference when it comes to our environmental simulation and test chambers for research & development and production. Physical requirements are rarely as high as they are here. Our test chambers are subjected to continuously changing temperature and pressure loads, corrosive atmospheres and extreme moisture.

With over four decades of domain experience, we can provide outstanding solutions and service with our products in this specialized area as well.

Sample applications

- Environmental simulation chambers
- Wind tunnels
- Airbag test chambers
- Roller dynamometers
- Salt spray test chambers
- Solar simulation chambers
- Flooding chambers



Chamber for component testing

ROMA environmental simulation and test chambers

Customized to your exact specifications

Key performance data

From the automotive industry to research institutes, customers rely on ROMA. Because we are able to supply customized enclosures that satisfy the most demanding requirements. Key performance data demonstrate this:

Test conditions

- Fluctuating temperatures from $-70\text{ }^{\circ}\text{C}$ to $+180\text{ }^{\circ}\text{C}$
- Relative humidity up to 98%
- Pressure changes of up to 0.35mbar

Optional versions

- Insulation thickness from 65 to 200mm, in single layer or multiple-layer construction
- Various floor designs including gutters, sloped flooring

- Floor/ground loads up to 30 kN/m^2 ; wheel loads 6 kN/4m^2 or 12.5 kN/220cm^2 truck wheel
- Welded with a static frame or in a plug-in version
- Wall and ceiling conduits for media supply and measuring systems in varying diameters
- Foam-injected reinforcement, anchoring points and empty tubes in wall, ceiling and floor elements
- Opening elements as doors, windows or hatches
- Standard surface coating design: galvanized steel sheeting exterior and painted in pure white (similar to RAL 9010); stainless steel interior 1.4301

Just let us know your requirements – we will be glad to prepare customized solutions for you.

Sample detailed design versions:



Extension of static frame for integrating additional installations



Welded chamber version



Flooring version with sloped gutters



Wall conduits in varying diameters



Conduit with mounting thread



Conduit with record of pressure



Ceiling window with multiple glazing

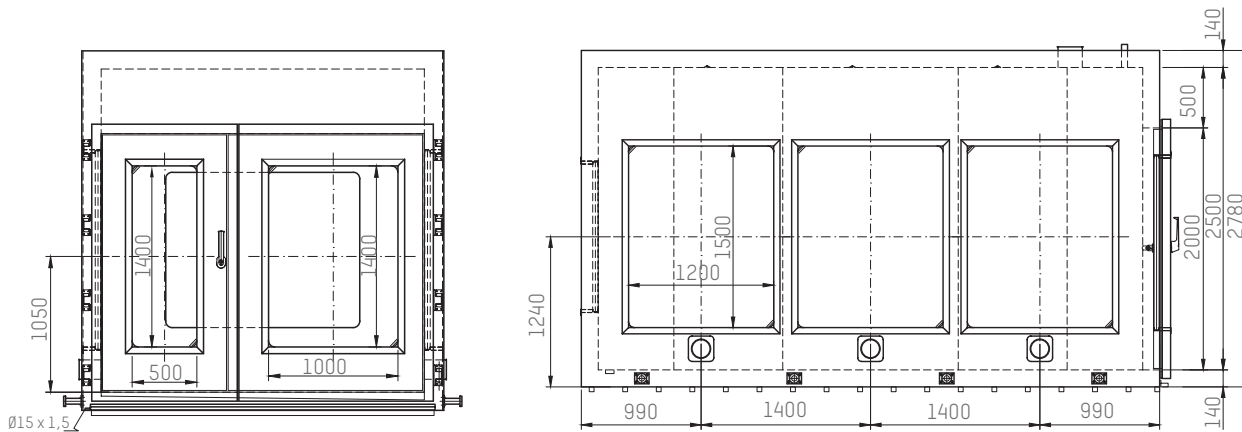


Window with blackout flap



C-rail as anchoring point

From planning all the way to installation



We can implement your construction drawings or supply you with our own drawings based on your specifications.



Our experts are ready to help with individual planning of your project.

So everything fits – ROMA provides professional services from consulting and planning to implementing your construction project. Choose between on-site installation and having components shipped in compact packaging.

Your benefits at a glance:

- Customized construction meeting your specifications
- 3D visualization of your project
- A large selection of coatings and grades of stainless steel
- Reliable supply of spares for parts subject to wear
- Absolute punctuality
- Made in Germany

ROMA. So everything fits.

ROMA is a leading manufacturer of doors, cells and chambers.

We develop and manufacture cold-store and deep-freeze cells and doors, climate chambers, cleanrooms and specialized rooms for a wide range of applications in the air conditioning industry. We can look back on 70 years of success and experience in highly specialized construction sectors. Ever since its founding, our family-run business has always manufactured top-quality products Made in Germany.



ROMA Cells, Doors and Chambers Business Unit

Additional information about our products is available at:

www.roma-kuehlzellen.de

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