

ROTHO QUATRO®.

THE PROVEN DRYER BUILDING SYSTEM.



Quick assembly – safe drying

Since introduction in 1988, approximately 50 ROTHO QUATRO® dryers have been successfully commissioned.

PRODUCT ADVANTAGES:

- Small stored heat
- Thermal-bridge-free construction
- High tightness
- High temperature resistance: standard design up to 150°C, custom design up to 250°C
- Removable and reusable
- The entire surface of the ceiling covering is accessible and mechanically highly stress resistant
- High corrosion safety / condensation free internal surfaces
- Quick assembly
- 5 years warranty



The QUATRO® system is composed of independent internal dryer cases. These are formed by self-contained wall and ceiling boardings. All connecting branches for conduits, etc., are constructed at our works. The spaces between the internal chamber cases and to the outer casing are filled completely thermal-bridge-free with insulating material. If necessary, an insulating structure for the floor is provided. QUATRO® guarantees a trouble-free regulation of the drying process at all times.

QUATRO® variants

The QUATRO® system is designed for all types of dryers and can be supplied with a building height of up to 10 m. The ceiling boards are self-contained with a span of up to 11 m. In case of considerable loads applied on the ceiling, a light-weight supporting construction within the building is used. The standard QUATRO® system is dimensioned for usual loads arising from assemblies and superstructures. Additionally, a working load of 150 kg/m² is admissible. The ceiling covering consists of highly stressable plates and its total surface is accessible. QUATRO® is compatible with all current ventilating systems.

QUATRO® insulation

The thermal-bridge-free building system guarantees an optimum insulation: k-value 0.4 W/(m² K). An internal temperature of 150°C leads to an external temperature of only approximately 7°C above the ambient temperature in the standard execution. The insulation consists of bend-resistant, hydrophobed mineral insulating material.



Assembly and sealing system

- Efficient and quick assembly thanks to pre-fabricated components
- The complete dryer is assembled by screwing the shells together successively
- All sealing is carried out after aligning and fastening of the complete building
- Our building system guarantees a perfect rigid and sealed structure
- The flange connections form an ideal joint to receive the permanently elastic sealing material
- All sealing surfaces are inside the dryer and, thanks to their free accessibility, guarantee a safe seal, which can be checked at any time
- The special corner wall design eliminates all sealing problems in the corners of the dryer

