



The **Centoventi** panel ensures high efficiency in convection pasteurization

**This panel has two souls:
one of polyurethane resin
and the other in rockwool.**

The **Centoventi** panel satisfy the needs of the sector warm rooms. The combination of polyurethane with a layer of rockwool makes this ideal solution for high thermal efficiency pasteurization rooms. Maximum operating temperature 120 ° C.





Centoventi advantages

Joint MFG



Male-Female coupling with Hook (MFG) consists of simply bringing the panels together and subsequent fixing with eccentric hooks embedded in polyurethane (variable pitch with min. 400 mm). The hooks consist of a plastic shell and a cam closing mechanism in galvanised steel.

The cam is actuated by inserting the special hex wrench in the holes in the panel sheet; the holes are closed with plastic caps after assembly.

The seal and the tightness of the joint is ensured by gaskets to be fitted during assembly. This type of joining significantly reduces the time required for panel assembly operations



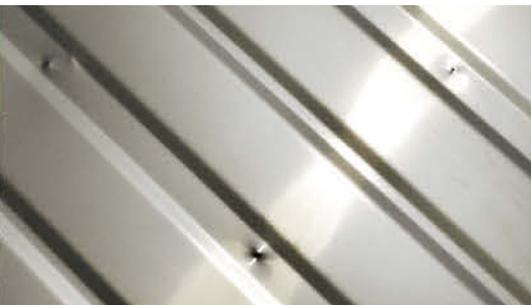
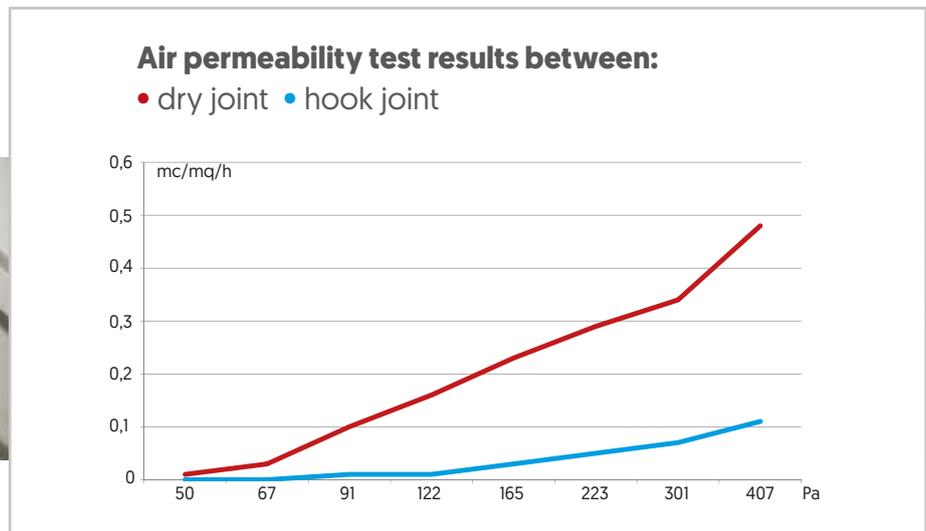
Centoventi technical sheet

Description	U/M	
Panel thickness	mm	120
Mass	Kg/m ²	16,94
Density PUR - (PIR)	Kg/m ³	40 +/- 5% - [45 +/- 5%]
Density rockwool	Kg/m ³	110 +/- 10%
Thermal conductivity - PUR	W/mK	0,023
Thermal conductivity - rockwool	W/mK	0,037
Thermal conductivity coupled panel	W/m ² K	0,319
Characteristics of polyurethane foam		Foaming agent HFC134a
		Closed cell content >90%
Pitch	mm	1190
Maximum length of straight section	mm	13600
Internal skins		INOX 304 - thickness 0,5 mm
External skins		White prepainted 81 - thickness 0,55 mm
External skins optional		INOX 304 - thickness 0,5 mm

Air permeability

our panel joints have a 5 times higher thermodynamic efficiency than the dry joints

The panels used to build the cold rooms are our exclusive production and are designed for specific use in the refrigeration sector: our panel joints have a 5 times higher thermodynamic efficiency than the continuous products, as demonstrated by the tests performed at the ITC-CNR Institute in Milan. The complete test reports are available at the headquarters of Cosma Impianti and upon request can be consulted during visits by our sales representatives.

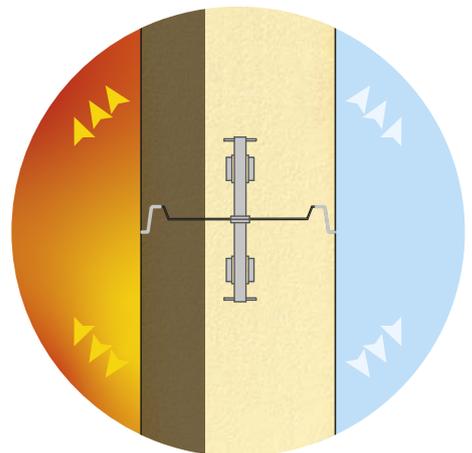
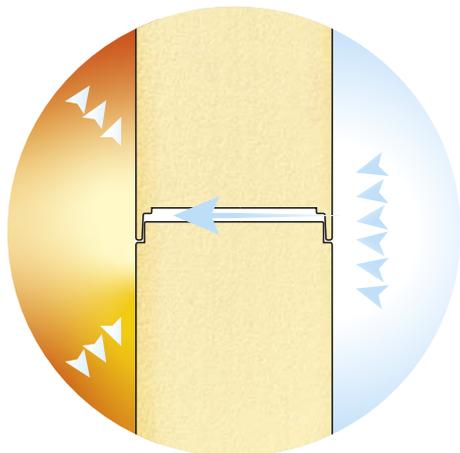


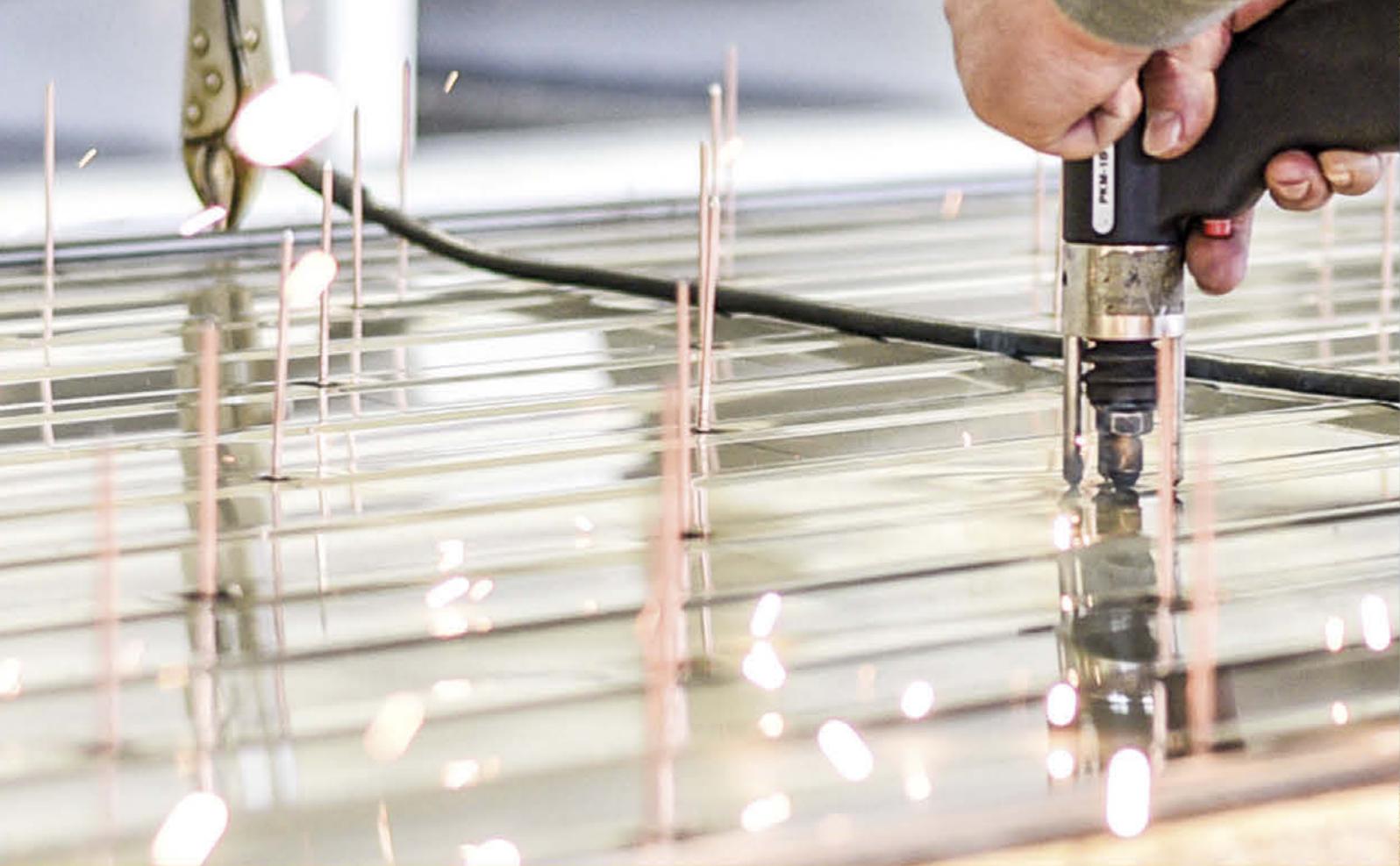
Dry joint

Hook joint

In the section you will notice like the dry joint allow passage of the air, while the MFG hook joint of Cosma Impianti guarantees impermeability to air thanks to his construction features:

-  Labyrinth joint
-  ABS joint
-  Panels with double insulated coupled





“Made-to-measure” capability

Every job we do is unique, carefully crafted to efficiently fulfil our customers' specific needs.



Innovation

Every project is the sum of the components and solutions created to deliver the highest performance in terms of efficiency, ergonomics and aesthetics.



Total management

Feasibility analysis, design, component production, installation, commissioning and final testing; we manage all the stages of the project.



Professionalism

From the designers to the assemblers, our close-knit team is made up exclusively of in-house, highly qualified personnel.



Experience

We have been collaborating with customers for over thirty years all over the world, constantly learning to bring new elements to the next project.



Certification

Cosma Impianti is a UNI EN ISO 9001 certified company. Our panels have obtained CE marking [UNI EN 14509].