A major Italian company in the field of radiant air conditioning, has chosen LIQUIfit® for their new panels.
The customer switched from products using compression technology to LIQUIfit® fittings.

Solution
An Italian manufacturer in the field of radiant air conditioning encountered sealing problems with the products that were currently being used (out-of-date compression technology). The Parker Italy sales force visited them to introduce the LIQUIfit® range; the customer decided to test and use LIQUIfit® for their new product range, a new pre-fabricated radiant panel suitable for ceiling, wall or floor installation. The manufacturer is now fully satisfied with Parker Legris, and future projects are being discussed: manifolds to connect multi-layer tubing.

Application
The fittings are used inside the panel to connect tubing conveying hot and cold water. The customer required the fittings to be compatible with a specific tubing. The fittings also had to be chemically compatible with corrosion inhibitors.

Based on test protocol performed at the Fraunhofer Institute, UV endurance tests were performed. Following those, wear testing and burst tests were also carried out. The mechanical performances even went above and beyond validation specifications.

Regulations
European RoHS directives: 2011/65/EC
REACH regulation: no. 1907/2006
Pressurised equipment directive: 97/23/EC

Key Success Factors
- Technical statement & certificate duly supplied by Parker Legris’ technical dept., according to the customer’s requirements
- Reliability of the push-in connection
- Compactness
- Lightweight
- Performance of the gripping ring
- EPDM seal
- Flow characteristics

Contacts
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