

Microflex® at high altitude

Installation at 2,300 m elevation in the heart of the
Sassolungo massif

Case Study





AIM

Modernization of plumbing and heating system.

• WHO

Tavana Matteo S.r.l, company specializing in the installation of plumbing, heating and air conditioning systems.

• WHAT

Modernization of plumbing and heating system.

• HOW

Microflex® Cool Uno and Microflex® DUO

• WHERE

Campitello di Fassa (Trento), Italy

• WHEN

2023

Located at 2,300 m above sea level in the heart of the Dolomites, with a spectacular view of the Catinaccio Group, the Roszähne, Mount Sassolungo, the Sella Group and many other peaks of the Val di Fassa and Val di Fiemme, this mountain lodge has been welcoming guests since the 1990s in a comfortable and homely setting, and recently had its plumbing and heating systems modernized. To undertake the works that were required, the management called in Tavana Matteo S.r.l, a company specializing in the installation of plumbing, heating and air conditioning systems.



General view of the installation

Following thorough analysis at the planning stage, the installer decided on Watts Microflex®, a pre-insulated flexible piping system designed for fluid distribution in central HVAC systems, and for domestic water distribution both in single dwellings and in large district heating networks.

In particular, the products used were **Microflex® Cool Uno** with self-regulating heating cable for domestic water circuits having a single internal SDR11 pipe of PE-HD, suitable for potable water up to 25 °C a pressures up to 16 bar, and **Microflex® DUO** for HVAC systems, with paired internal SDR11 pipes of PEX-a featuring an oxygen diffusion barrier (to DIN 4726), suitable for fluids at temperatures of -10...95 °C and pressures up to 6 bar.

Both of the Microflex® models selected also feature multilayer thermal insulation of CFC-free expanded PEX cross-linked polyethylene having a closed-cell structure, and a double-wall corrugated outer casing of PE-HD — High Density Polyethylene.

“Quality of service. Prompt delivery of materials. Flexibility of Microflex®. The perfect recipe for meeting system requirements at an altitude of 2,300 metres”

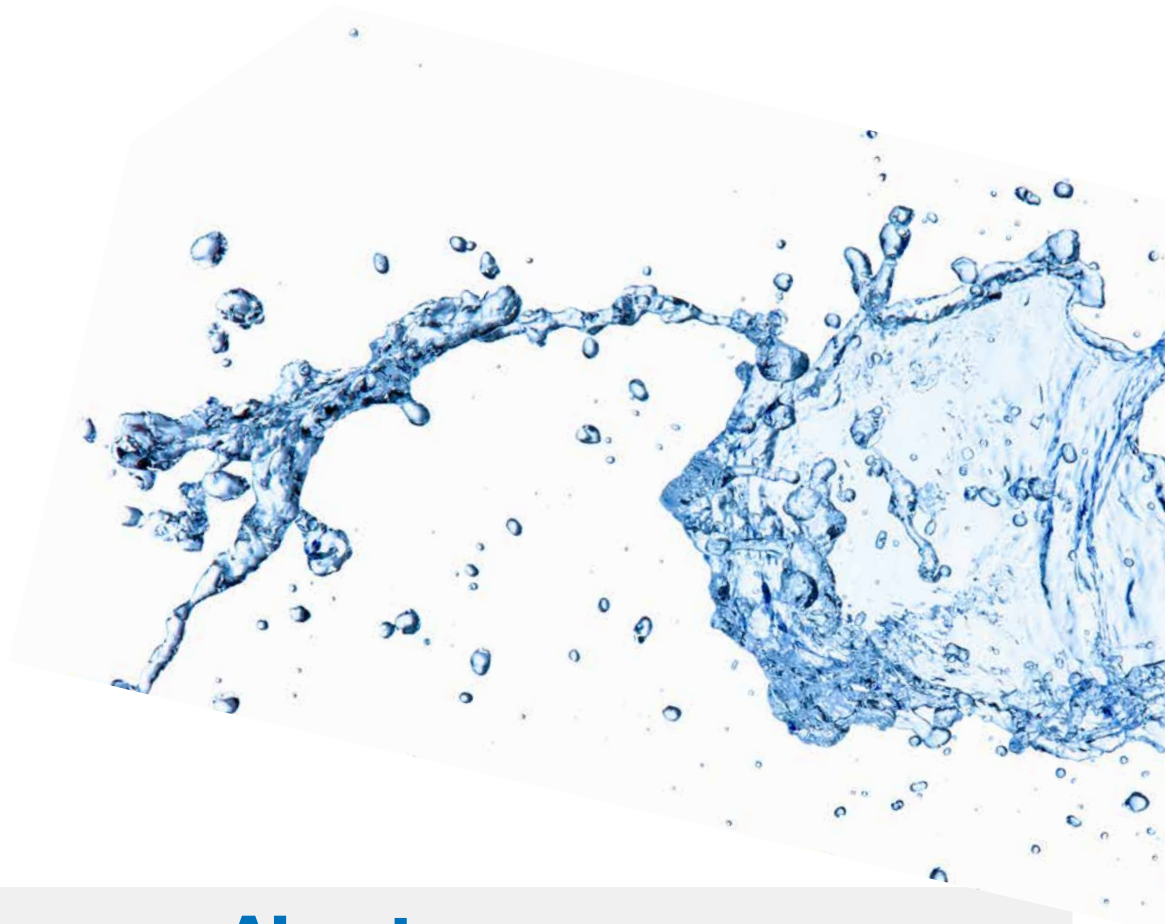


What our customers say

The installer was full of praise for the solid teamwork provided by Watts.

“The quality of service, the dependable delivery schedules, and above all the flexibility of the Microflex® product”, said the contractor in charge of the works, “were fundamentally important in ensuring the installation went smoothly — remembering we were 2,300 m above sea level. I was especially impressed with the extreme flexibility of the product. It meant we could keep excavations to a minimum and consequently save considerable time and expense, as fewer working days were needed”.

He added, “the engineering team at Watts immediately identified the difficulties connected with the project and were able to suggest the best options, based on the type of system and the environmental conditions”.



About us

Watts is an American multinational and one of the world's biggest manufacturers of plumbing and heating products and components. Established in 1874, the business is based in North Andover (USA) and listed on the New York Stock Exchange. Watts has an administrative headquarters in Italy, along with two production sites and two research centres, and owns various market-leading brands. Thanks to its know-how, reliability, professional ethics and attention to health, safety and the environment, Watts contributes to technological research in the sector with a constant focus on energy saving, safety, and the quality of life.

For further information, visit www.watts.eu

The descriptions and photographs contained in this product specification sheet are supplied by way of information only and are not binding. Watts Industries reserves the right to carry out any technical and design improvements to its products without prior notice. Watts hereby rejects any terms or conditions other than its own that may be contained in any communication received from the buyer, unless expressly agreed to in writing and signed by an officer of Watts Industries.

WATTS®



Watts Industries Italia S.r.l.
Via Brenno, 21 • 20853 Biassono (MB) • Italy
Tel. +39 039 4986.1 • Fax +39 039 4986.222
infowattsitalia@wattswater.com • www.watts.com