

QUALITY  
RESEARCH  
INNOVATION



Solution For Water Meter Installation

# WATER METER CONNECTIONS POINT *(Manifolds)*

RECANATI EUROPE offers a **full range of manifolds in PE for single and multi-dwelling buildings**, that makes connection of water meters trustworthy and straightforward, no matter how many links are needed.

The **RECANATI EUROPE** solution provides ensuring guarantee a compliant and resilient products that are designed to last.

## Main technical features:

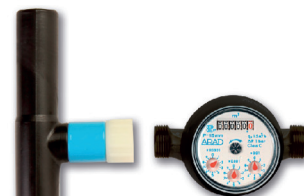
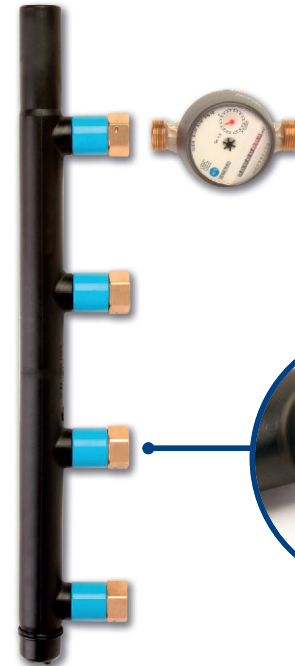
- Operating Pressure: up to 10 bar at 20°
- 100% chemical corrosion free
- 100% electrical corrosion free
- Excellent resistance in saline environments
- Customizable

## NEW

The problems of **water contamination potable due to the materials** making up the distribution lines and the measuring and regulation devices are less known by the general public.

This contamination concerns certain number of heavy metals but in particular lead. The disease of these devices occurs mainly at the beginning of their use and can exceed by many times the maximum contamination values allowed for drinking water by the Organization World Health Organization (WHO).

In the wake of these problems, RECANATI EUROPE introduces on the market **new Water Manifolds made entirely of plastic (100% Metal Free)**.



**100%  
METAL FREE**

*Solution for Pipelines*

# TRANSITION FITTINGS & RISERS

RECANATI EUROPE is specialised in the production of a **full range of PE/metal transition fittings for Gas and Water Mains.**

**Main features:**

- PE 100 SDR 11
- 10 bar Gas / 16 bar Water
- Electrofusion weldable
- with Flange PN16 or ASA150
- up to D.630 mm

**Steel part can be:**

- With weld-on end
- Galvanized
- PPA571 (thermoplastic powder) coated for corrosion resistance

**Advantages:**

- Excellent value for money
- Easy-to-install
- Customizable
- Safe and reliable
- Resistance at very low Temperatures

**Fields of Application:**

- Water and Gas Utilities
- Water Treatment
- Food and Beverage
- Marine Sector (Shipbuilding)

**Standards:**

- ISO

**Rec1**





*Solution for Pipelines*

# FLANGE ADAPTERS for Water and Gas



## GROOVED TRANSITION FITTINGS for Fire Fighting

**Range:**

- Raw Grooved
- Flange Adaptor

**Main Features:**

- PE 100 SDR 11
- 16 bar Water
- Corrosion protection with PPA571 Thermoplastic Powder

**Main Application:**

- Fire Fighting



*Solution For Geothermal Plants*

# COLLECTORS FOR GEOTHERMAL

RECANATI EUROPE produces **manifolds in PE100**, completely **customizable**, to **guarantee the functionality** of the plant and are structured according to a modular system.

Geothermal systems require a limited amount of electricity compared to conventional plants and ensure high thermal efficiency during all seasons.

It is also possible, in the event of a sharp drop in temperature, that there is no need to integrate the geothermal system with other equipment, for example a natural gas boiler, to meet the additional heating demand.



## How does the geothermal system work?

A circulator sets in motion the "cold" fluid contained in the system (water and non-toxic antifreeze) by passing it through the probe which, being in contact with the ground, has its own heat to be transferred to the fluid, to heat it in a few degrees. The heat pump extracts this additional heat, concentrates it and amplifies making the whole process thermally efficient. Finally, the fluid, returned "cold", is returned to the probe for the repetition of the process. In the summer, the reverse process is carried out, allowing the cooling of the rooms.

## A plant that produces geothermal energy consists of:

- Geothermal probe, consisting of collectors, pipe, fittings, etc., buried, vertically or horizontally:
- Radiant system
- Heat pump and circulator.







## THE COMPANY



RECANATI EUROPE works in the international market as **specialised manufacturer of special fittings for Water and Gas Mains.**

The products range finds application in the fields of water and gas distribution, industry and geothermal plants.

RECANATI EUROPE offers maximum production flexibility to customers and meets the UNI and ISO standards of the Industrie.



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