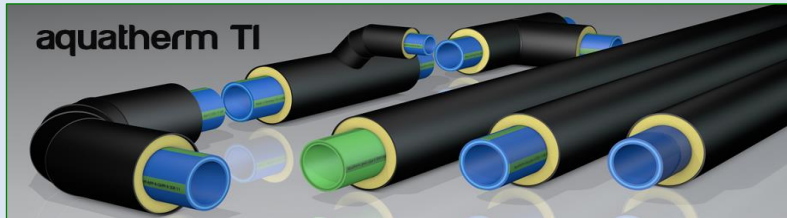


# aquatherm Australia Pty. Limited

Ecological pipe systems: just say yes to a better world!



## aquatherm ti

**pre-insulated pipe systems**  
for district **heating** and **cooling**

One of the most energy-efficient methods of transporting **heating** or **cooling** water covering long distances is the application of underground piping. Aquatherm offers the German made pre-insulated **aquatherm ti pipe system** with **3 different medium pipes**. These pipes are insulated with closed cell PUR rigid foam and coated with a casing pipe made of HDPE.



### aquatherm green pipe ti

next generation faser composite RP pipe SDR9 Ø32-Ø250 (OD)

Application: (Raised Pressure) **heating** and **cooling**.

### aquatherm blue pipe ti

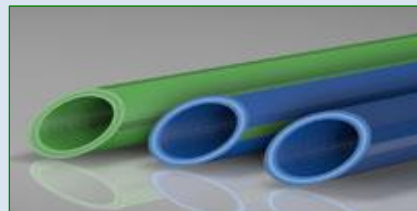
faser composite pipe SDR11/17.6 Ø32-Ø355 (OD)

Application: **heating** and **cooling**.

### aquatherm blue pipe ot ti

faser composite oxygen-tight pipe SDR11 Ø32-Ø250 (OD)

Application: **heating**.

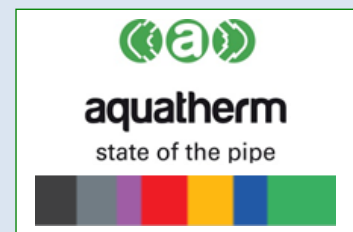


**made  
in  
Germany**



## Advantages of the aquatherm ti system:

- Longevity and maintenance free (no internal and external corrosion)
- Less pipe roughness = 0.0070 mm (less pressure loss; smaller pumps)
- Low Thermal Conductivity of the **aquatherm blue** and **green** pipes. ( $\lambda = 0.15 \text{ W/mK}$ ,  $\lambda = 384 \text{ W/mK}$  (copper),  $\lambda = 50 \text{ W/mK}$  (carbon steel))
- Low weight ( $\rho < 1$ ).
- Lesser linear expansion ( $\alpha = 0.035 \text{ mm/mK}$ ) and expansion forces; no thrust blocks required.
- Very good chemical resistance (in case of "hyper reactive" soil).
- Suitable for high traffic load (SLW60; 60 tons).
- Cost savings by quick and easy processing of pipes and fittings.
- Leak proof socket fusion and butt welding joints.
- No mixing of chemicals due to the use of rigid PUR foam elements.



## For more information:

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