

AQUATHERM NORTH AMERICA



LEED v4 and Piping System Design

Introducing North America's first ISO-compliant, peer-reviewed, third-party certified, product-specific Type III environmental product declaration for a piping system.



aquatherm
state of the pipe

LEEDing the way to greener facilities

Piping systems have rarely – and barely – been considered when it comes to energy-efficiency and environmental friendliness. Yet today engineers, building owners and installers face mounting pressure to work together to implement piping system designs that meet these requirements.

Aquatherm was founded as a radiant floor tubing company in 1973 and as the German-based company has evolved into a worldwide leader in polypropylene piping systems, environmental friendliness and energy conservation have remained guiding principles. In fact, the company recently commissioned a third-party organization to conduct an environmental product declaration (EPD) and life cycle assessment (LCA) to assess the cradle-to-gate impact of its polypropylene piping systems. EPDs and LCAs are used across multiple industries by manufacturers to provide transparent environmental data to engineers, architects and building owners.

The independent, 3rd-party EPD demonstrates Aquatherm's benefits in these areas:

GWP

global warming potential

AP

acidification potential

EP

eutrophication potential

ODP

ozone depletion potential

SFP

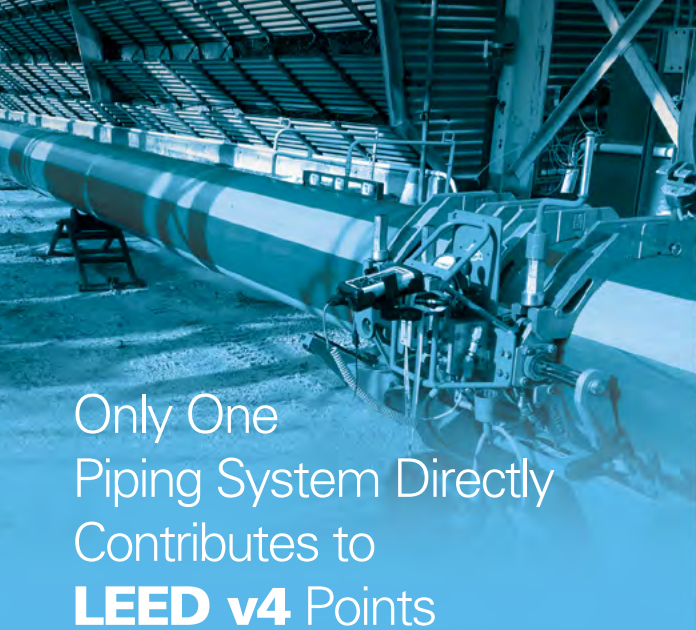
smog formation potential

PED

primary energy demand



**Certified
Environmental
Product Declaration**
www.nsf.org



Only One
Piping System Directly
Contributes to
LEED v4 Points



Aquatherm's polypropylene piping systems qualified for a Type III product-specific rating.

All of Aquatherm's piping product lines offered in North America have attained Type III status through independent verification by NSF International. They can now be utilized as part of the 20 permanent products engineers must have throughout their LEED-certified building. These piping systems also carry double the weight of a generic industry EPD in terms of LEED value and four times the weight of a self-certified declaration by a manufacturer.

we've got a pipe for that.

Aquatherm delivers the best of metal and plastic pipe in one versatile system for PHVAC and industrial applications. Chemically inert Aquatherm delivers the best quality domestic water and can handle 180°F water and 100 psi, yet doesn't rust, corrode, or leach. The simple heat fusion connection eliminates leak paths and is so reliable it has a 10-year multimillion dollar warranty.

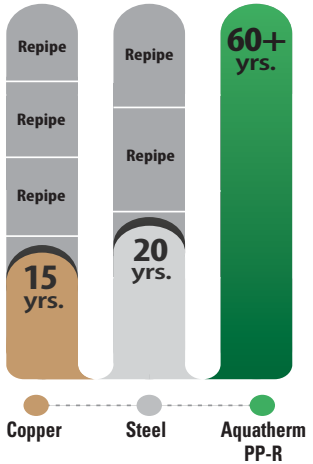
Aquatherm also offers a natural R-value, excellent flow rates and stable, competitive material costs. And while fully recyclable, it's got no inherent scrap value like copper or other metals.

Aquatherm now offers building owners, engineers, and contractors the option of specifying an NSF Sustainability-approved piping system that offers several advantages over traditional methods while also being better for the planet.



Sustainable Pipe

Lasts Longer and Costs Less



Production Energy Cost



Aquatherm's Polypropylene Piping Systems

are among the best in the world for carrying water for the most energy-efficient heating and cooling systems and domestic water for human consumption. **aquatherm Green Pipe®** is **NSF-61 certified**, as well as NSF-51. This means it is acceptable for direct food contact, and complies with the most stringent USP Class VI medical grade for use in leading pharmaceutical facilities. It is also embraced by breweries, homeowners with multiple chemical sensitivity, and others seeking the ultimate water quality. If you want the best quality water in your facility, you want Aquatherm.

To learn more about Aquatherm, visit aquatherm.com where you can contact a local representative. For more information about the Aquatherm EPD, please visit <http://info.nsf.org/Certified/Sustain/ProdCert/EPD10069.pdf>.



- Potable Water
- Heating and Cooling
- Compressed Air
- Fire Protection
- Graywater
- Industrial

we've got a pipe for that.



aquatherm

state of the pipe

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