40 YEARS of INNOVATION

aquatherm green pipe®
aquatherm blue pipe®
aquatherm lilac pipe®
As the world’s leading producer of PP-R pressure piping systems, Aquatherm has tirelessly promoted high performance, quality engineering, and environmental responsibility since 1973. Our products are designed to outlast other materials and maintain peak performance throughout the lifetime of the system.

Polypropylene-random (PP-R) is the SAFEST, CLEANEST, LONGEST LASTING & HIGHEST PERFORMING piping material available.

Our piping systems are EASY TO INSTALL, MAINTAIN, AND WILL LAST OVER 60 YEARS. No corrosion, no leaks, no worries.

Our products were first introduced to North America in 2005 and are approved for use across the U.S. and Canada in a wide range of applications. From specialized fittings to advanced training, we’ve tailored our services to the unique needs of the North American piping market.
Polypropylene-random (PP-R) is the base thermoplastic used in Aquatherm’s pipe and fittings. PP-R is a blend of long and short chains of hydrocarbons, making the material rigid and durable, but still slightly flexible. When exposed to heat, PP-R can be fused together for a bond that possesses the same qualities as the original material. PP-R is corrosion-free and non-leaching, making it safe and long lasting.

Our hot water pipes have a reinforced FASER-COMPOSITE LAYER THAT REDUCES EXPANSION BY 75%.

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FusioLEN PP-R is respected worldwide for its PURITY, CONSISTENCY, AND LOW ENVIRONMENTAL IMPACT.

Aquatherm’s custom PP-R resin, FusioLEN, is engineered to prevent microbiological growth and to be easier to fuse than standard polypropylene. It is also heat-stabilized to protect the pipe from temporary exposure to temperatures that would damage other plastics.
During heat fusion, two parts are heated and then pressed together as they cool, resulting in a permanent bond with no leak path. The pipe and fitting become one piece, for a strong, reliable, long-lasting connection.

Heat fusion welds are made WITHOUT ANY GLUE, SOLDER, OR MECHANICAL CONNECTIONS.

The heat fusion process takes JUST A FEW SECONDS TO MAKE A CONNECTION in smaller diameters and only minutes for larger sizes.

**FUSION OUTLETS**

Fusion outlets replace most reducing tees, saving time, money, and space. To install a branch outlet, simply drill through the pipe wall, heat up the pipe and fitting, and place the outlet into the pipe. These outlets do not weaken the structure of the pipe and may be placed closer together than other branch-type connections.

Our transition fittings make it easy to use PP-R pipe in systems that also use copper, PEX, steel, and other piping materials.
Aquatherm Green Pipe is our flagship product, and is suitable for a wide range of project types. It excels in potable and food-grade applications, and can also be used in fire sprinkler systems and to transport chlorinated water for swimming pools.

Green Pipe is NSF 14, 51, and 61 certified, and is accepted by IPC, UPC, and CSA. It is also NFPA and FM listed for concealed sprinkler applications.

Green Pipe is available from ½” to 18” in diameter and is used in everything from small homes to commercial building.
aquatherm blue pipe

This alternative to metal is

**EXPANSION CONTROLLED, CORROSION-FREE, AND BETTER**

tan the piping material it replaces.

**Fields of application**

Aquatherm Blue Pipe is the best choice for high-performance pressure piping systems in non-potable applications.

Blue Pipe’s **integrated expansion control, heat stabilization, and resistance to corrosion, scaling and impact**, combined with heat-fused connections, make it an ideal alternative to metal and other plastic materials.

Blue Pipe is available in sizes from ½” to 24” and is recommended for heating and cooling, industrial, geothermal, and more.
Aquatherm Lilac Pipe is the ideal solution for WATER CONSERVATION AND GREYWATER SYSTEMS with specialized coloring and marking.

Fields of application

Lilac Pipe is available from ½” to 10” diameters. It’s rust- and scale-free, virtually leak-proof, and is also freeze resistant.

As water conservation systems gain popularity and promote responsible water use, it’s important to select the right piping system. Aquatherm Lilac Pipe transports water from reclaimed, recycled, and rainwater sources for use in flushing, irrigation, cleaning, and other applications.

Aquatherm Black System delivers a 4-6 minute response time and installs discretely in less than 1” of space.

Radiant heating and cooling SAVES TIME, ENERGY, MONEY, AND IS MORE COMFORTABLE than traditional forced-air methods.

Aquatherm Black System uses a series of wall or ceiling panels to heat and cool a space using radiant energy. The system’s flexible layout makes it easy to use in offices, hospitals, hotels, apartments, and many other applications.

Fields of application
REFERENCES

Don’t just take our word for it: take a look at the projects where Aquatherm pipe has been used. From single-family residences to large-scale projects, Aquatherm is quickly being adopted not just as a viable alternative but as the preferred choice of contractors, engineers, and owners.

Our products are backed by a **10-YEAR, MULTI-MILLION-DOLLAR WARRANTY** to cover damages resulting from manufacturing defect. **NOW THAT’S CONFIDENCE.**