

AQUATHERM NORTH AMERICA



INNOVATIONS



aquatherm
state of the 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 system's lifetime.



Aquatherm Worldwide Campus
Attendorf, Germany

Rosenberg Family
Maik, Gerhard (founder), Christoff, Dirk

40 YEARS OF GERMAN INNOVATION

Aquatherm's polypropylene-random (PP-R) is the **safest, cleanest, longest lasting & best performing** piping material available.



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. We have tailored our services to the North American market, offering specialized fittings, custom fabrication, and advanced training.

CUSTOMIZED FOR NORTH AMERICA

Our piping systems are **easy to install, maintain, and will last over 60 years.** No corrosion, no leaks, no worries.



**Aquatherm NA
Logistics Center**
London, UT



Fabrication Shop
London, UT



POLYPROPYLENE-RANDOM

OUR MATERIAL

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 polymers, 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.

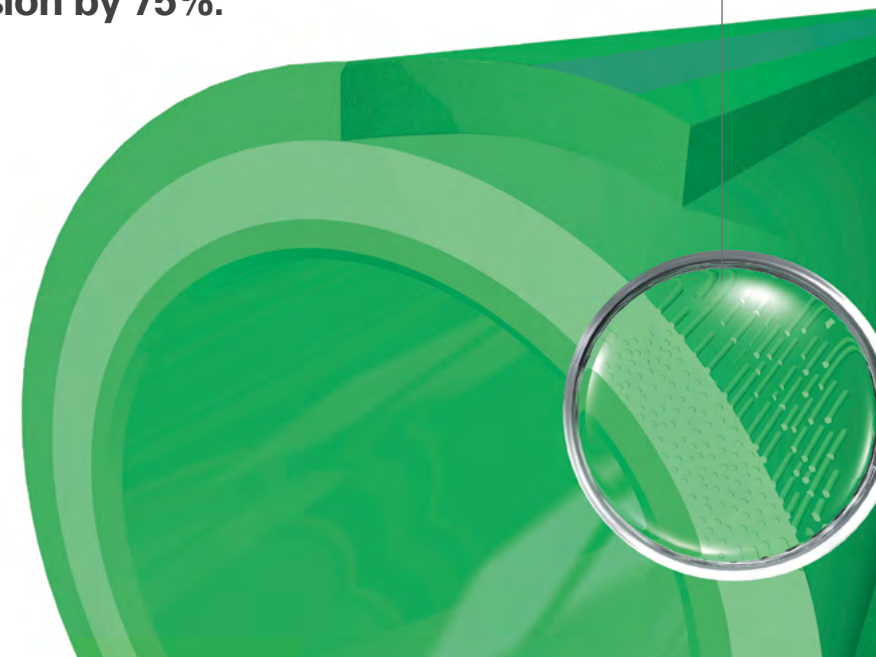


Aquatherm manufactures its own proprietary PP-R resin, Fusiolen®, which is engineered to help prevent microbiological growth and to be easier to fuse than standard polypropylene. It is also heat-stabilized to protect the pipe from temporary exposure to temperatures that would damage other plastics.

Fusiolen® PP-R is respected worldwide for its **purity, consistency, and low environmental impact.**

PP-R is made from simple chains of polymers, making it strong and inert – ideal for carrying water and other liquids.

Our hot-water pipes have a reinforced **multi-faser layer that reduces expansion by 75%.**



HEAT FUSION

Heat fusion welds are made **without any glue, solder, or mechanical connections.**



Fusion Outlets

Fusion outlets replace most reducing tees, saving time, money, and space.

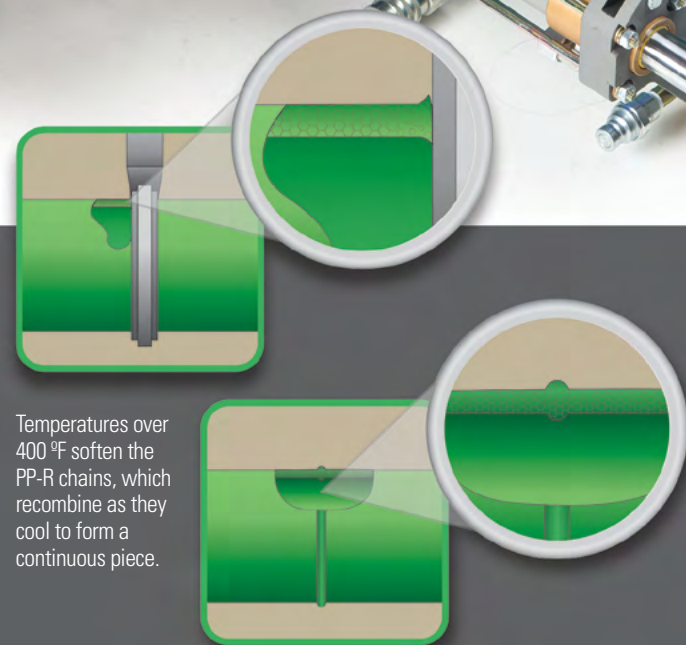
To install a branch outlet, simply drill through the pipe wall, heat up the pipe and fitting, and place the outlet into the pipe. These outlets do not weaken the structure of the pipe and may be placed closer together than other branch-type connections.



The heat fusion process takes **just a few seconds** to make a **connection** in smaller diameters and only minutes for larger sizes.

OUR PROCESS

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.



Temperatures over 400 °F soften the PP-R chains, which recombine as they cool to form a continuous piece.

PP-R Transitions

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®

Green Pipe is the **safest, most reliable choice for potable applications** and many other projects.

Fields of application _____

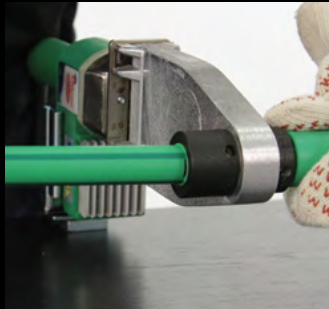
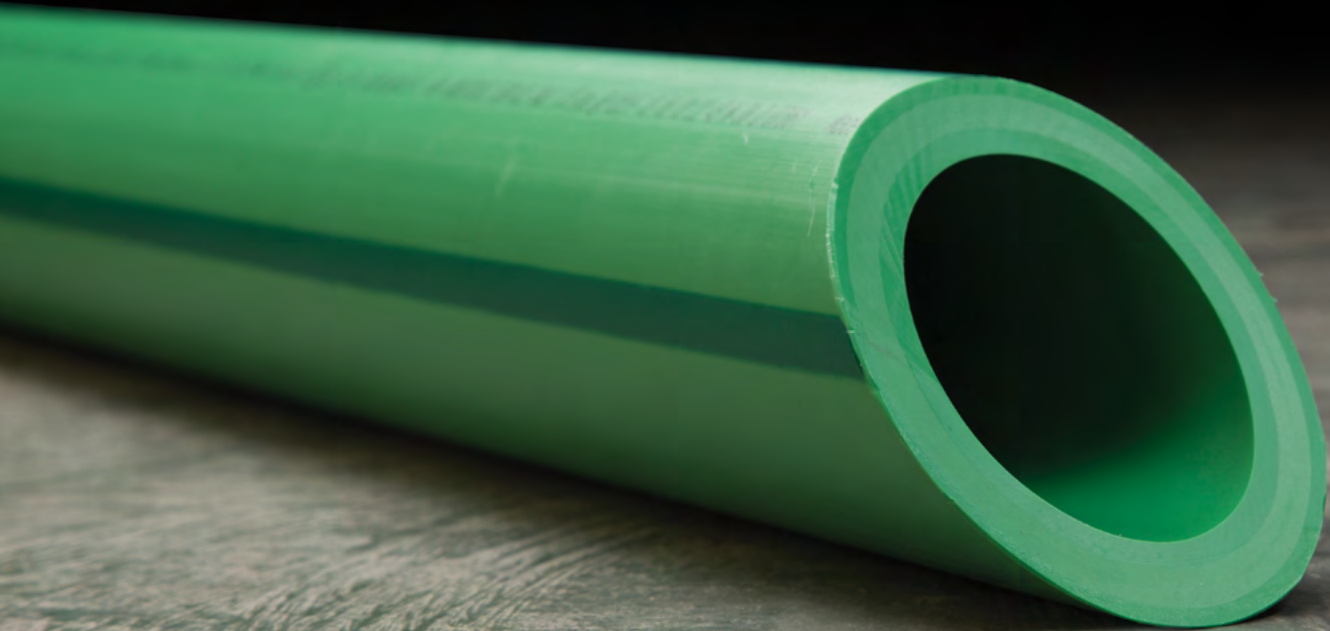
domestic
hot/cold

food grade

fire
sprinkler

swimming-pool
technology





aquatherm green pipe® 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, 61, and 51 certified, listed by ICC and IAPMO as complying with the IPC and UPC, and is manufactured in accordance with ASTM F2389 and CSA B137.11. It is also approved by FM for use in NFPA 13D multi-purpose fire sprinkler systems.

Green Pipe is available from ½” to 18” in diameter and is used in everything from small homes to commercial buildings.



aquatherm blue pipe®

This alternative to metal is **expansion controlled, corrosion-free, and better** than the piping material it replaces.

Fields of application _____

connection
heating
and cooling

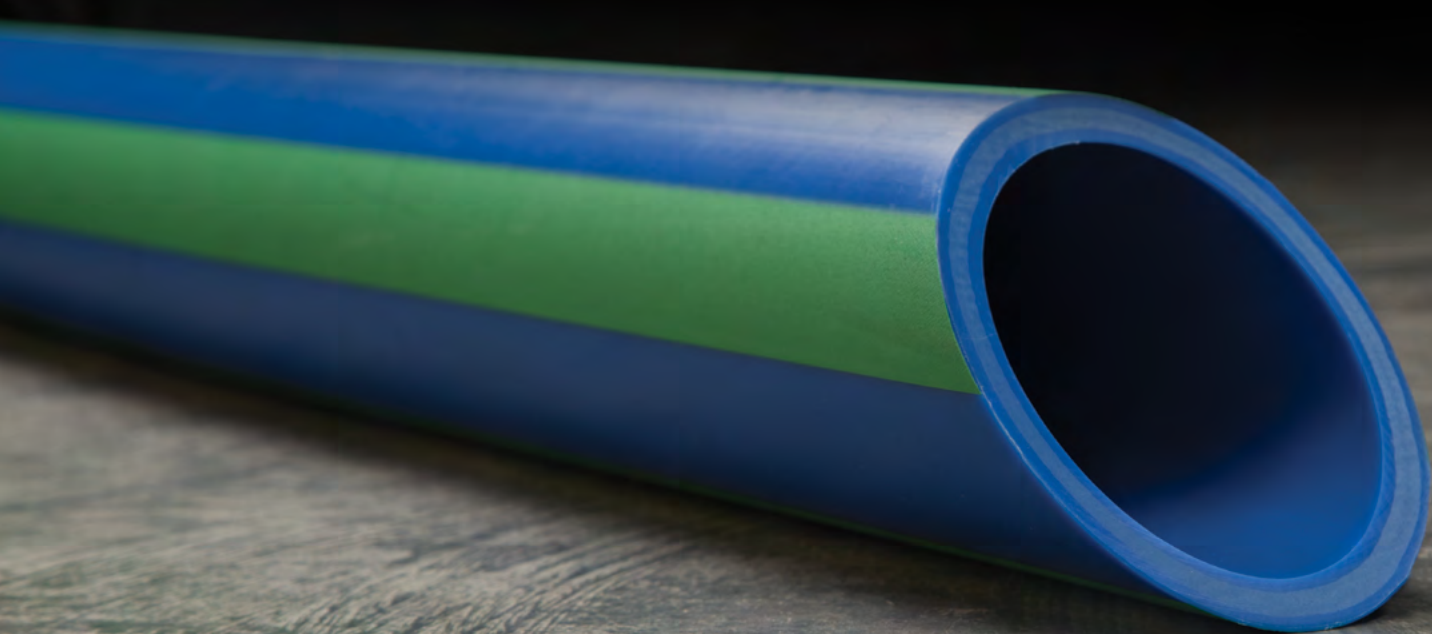
chemical
transport

geothermal

industrial/
wastewater
treatment

compressed
air





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 ideal for heating and cooling, industrial, compressed air, geothermal, and more.



aquatherm lilac pipe®

Lilac Pipe is the ideal solution for **water conservation and graywater systems** with specialized coloring and marking.

Fields of application

irrigation



graywater



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 lilac pipe® is available in ½" to 10" sizes. It's rust- and scale-free, virtually leak-proof, and freeze resistant.



Medical
Fred Hutchinson Cancer Research Center, WA



College/University
Harvard Medical School, MA



Residential
Sable Ridge, British Columbia



High Rise Office Building
FirstMerit Tower, OH

REFERENCES

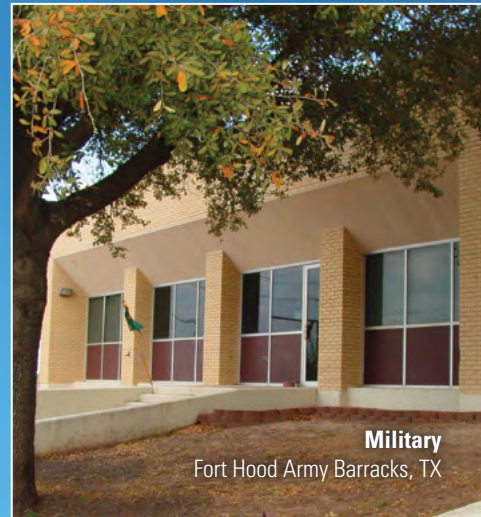
Don't just take our word for it: take a look at the projects where Aquatherm pipe has been used. From single-family residences to large-scale projects, Aquatherm is quickly being adopted not just as a viable alternative but as the preferred choice of contractors, engineers, and owners.

Our products are backed by a 10-year, multimillion-dollar warranty that covers property damage, labor, personal injury and financial loss of use resulting from manufacturing defect. **Now that's confidence.**

AQUATHERM NORTH AMERICA



LEED & Green Building
Arbors at Baltimore Crossroads, MD

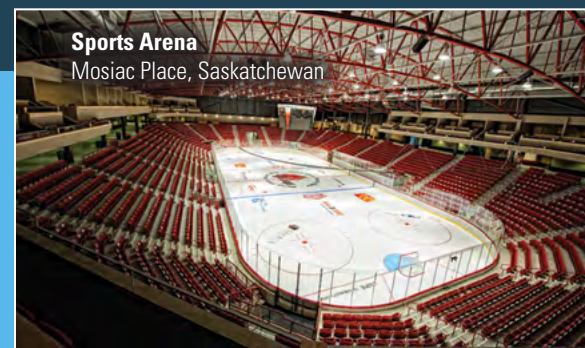


Military
Fort Hood Army Barracks, TX



K-12 School
University of Detroit Jesuit High School, MI

REFERENCES



Sports Arena
Mosaic Place, Saskatchewan

Data Center
Colorado State University, CO

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Industrial
Flathead Lake Brewing Co., MT

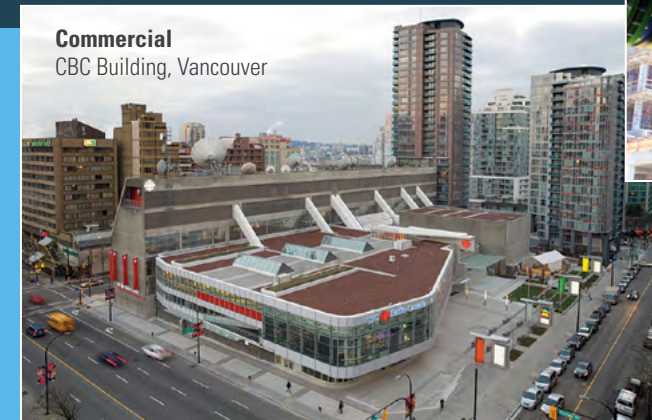


Commercial
AGRO-Culture Liquid Fertilizers, MI



Medical
Florida Hospital, FL

To learn more about our featured projects
go to aquatherm.com/case-studies
To talk to a local rep go to
aquatherm.com/get-local-support



Commercial
CBC Building, Vancouver



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state of the pipe



we've got a pipe for that



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