

	<b>PP-R</b>	Stainless Steel	Copper	Steel	PEX	CPVC
<b>Hygienic purity</b>						
Zero impact on taste	✓	○	○	-	○	○
Zero impact on smell	✓	○	○	-	○	○
Opaque, microorganism free	✓	✓	✓	✓	○	○
No leaching into water	✓	✓	○	-	✓	○
No leaching through pipe wall	○	✓	✓	✓	-	○
<b>Longevity and performance</b>						
Resistant to abrasion and corrosion	✓	✓	○	-	✓	✓
Resistant to chemical breakdown	✓	✓	○	-	✓	-
Resistant to fitting leaks and failures	✓	○	○	○	-	-
Strong structural integrity	✓	✓	✓	✓	-	-
Resistant to scaling and electrolysis	✓	○	-	-	✓	✓
Tolerant to freezing	✓	-	-	-	✓	-
Engineered for 50 year life cycle	✓	-	-	-	-	-
<b>Low production impact</b>						
Does not require extraction	✓	-	-	-	✓	-
Does not require steel or copper mills	✓	-	-	-	○	✓
Does not require chlorine	✓	✓	✓	✓	✓	-
<b>Toxin-free material</b>						
No lead	✓	○	-	○	○	-
No copper	✓	✓	-	✓	○	✓
No iron	✓	-	✓	-	✓	✓
No PVC	✓	✓	✓	✓	✓	-
No dioxins	✓	✓	✓	✓	✓	-
No BPA	✓	✓	✓	✓	○	○
No VOCs	✓	○	○	○	✓	-
<b>Minimum foreign materials</b>						
No toxic glues or solders	✓	✓	○	✓	✓	-
No gaskets	✓	○	○	○	○	○
No corrosion inhibitors for pipe	✓	○	○	-	✓	✓
<b>Environmental responsibility</b>						
Recyclable	✓	✓	✓	✓	-	-
No hazardous waste	✓	✓	✓	✓	✓	-
Safe combustion by-products	✓	✓	✓	✓	✓	-



## Aquatherm's Polypropylene (PP-R) Piping System with Fusion Connections

✓ Check out the Performance Benefits ✓

# aquatherm

30 years experience in over 70 countries  
and backed by a 10 year warranty covering  
material, labor and incidental damages

PIPE MATERIAL	PP-R	Stainless Steel		Copper		Steel		PEX	CPVC
		Weld	Gasket**	Solder	Gasket**	Weld	Gasket**	Crimp/Compression	Glue
Impact resistant	✓	✓		✓		✓		-	-
Chemically resistant*	✓	✓		○		○		○	-
Abrasion resistant	✓	✓		-		-		○	✓
Scale resistant	✓	✓		-		-		○	○
No toxic metals or plastics	✓	○		-		-		○	-
Corrosion resistant	✓	✓		-		-		○	○
Non-toxic	✓	○		-		-		○	○
Non-toxic combustion products	✓	✓		✓		✓		-	-
Resists chemical leaching into water	✓	✓		✓		✓		-	-
50-year system rating	✓	-		-		-		-	-
Controlled thermal expansion	✓	✓		✓		✓		-	-
Recyclable	✓	✓		✓		✓		○	-
Opaque to block algae and bacteria	✓	✓		✓		✓		○	○
Self insulating	✓	-		-		-		○	○
Quiet	✓	-		-		-		✓	✓
Does not easily sweat	✓	-		-		-		○	○
Stable competitive pricing	✓	-		-		-		✓	✓
Environmentally friendly system	✓	-		-		-		○	-
Potential LEED Innovation Credits	✓	-		-		-		-	-
<b>CONNECTIONS AND FITTINGS</b>	<b>Fusion</b>	<b>Weld</b>	<b>Gasket**</b>	<b>Solder</b>	<b>Gasket**</b>	<b>Weld</b>	<b>Gasket**</b>	<b>Crimp/Compression</b>	<b>Glue</b>
Leak-proof connections	✓	○	-	○	-	○	-	-	-
No foreign materials	✓	○	-	-	-	○	-	○	-
Joints stronger than pipe	✓	○	-	○	-	○	-	-	-
Saddle or other low cost branches	✓	✓	-	○	-	✓	-	-	-
Low Cost Connections	✓	-	-	-	-	-	-	-	○
Non-toxic connections	✓	✓	○	○	○	-	-	○	-
No open flames	✓	-	✓	-	✓	-	✓	✓	✓
Connections usable in < 1 hour	✓	✓	✓	✓	✓	✓	✓	✓	-
Full Range 1/2" to 12"	✓	✓	-	○	-	✓	-	-	-

✓ Excellent

○ Sometimes

- Not Recommended

\* Please provide details of intended application including chemical(s), concentrations, pressures and temperatures, to verify compatibility  
\*\* Includes pressed and grooved fittings