

GET THE FACTS ABOUT FLOWGUARD GOLD CPVC vs. PEX

COMPARE THE HISTORY

	FlowGuard Gold CPVC	PEX	Polybutylene
First Commercial Production	1959 – USA	1971 - Europe	1966 - Europe
First Model Code Approval in the US	1974	1993	1974
First ASTM Standard for Plumbing Systems	1968	1984	1974
Number of ASTM Standards for Pipe Fittings	1	11	6
Primary Value Proposition	Will not corrode, pit, scale or degrade due to water conditions	Flexible, freeze-resistant, mechanical insert fittings	Flexible, freeze-resistant, mechanical insert fittings
Primary Cause of Failures	Installation Error	Degradation due to contact with water	Degradation due to contact with water
Product Removed from US Plumbing Codes	No	No	1995

FlowGuard Gold piping systems are backed by a more than 60-year track record and provide long-term reliability and performance. The systems are durable and will not degrade, pit or scale, even when in contact with high chlorine levels.

PEX has an unproven track record, with several major PEX manufacturers having changed the materials and design of their systems multiple times after several high-profile fitting failures. PEX is part of the same polymer family as Polybutylene, and their track records are shockingly similar.

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PIPE & FITTINGS

WHAT YOU DON'T KNOW ABOUT PEX COULD BE PUTTING YOU AT RISK

FACT: The use of PEX piping can be detrimental to water quality

- PEX piping is permeable, meaning that outside chemicals can enter through the pipe wall and contaminate the water without causing a pipe failure.
- PEX piping is known to leach regulated gasoline components such as MTBE, ETBE, TBA and Toluene into drinking water.

FACT: PEX piping can fail due to exposure to water disinfected with chlorine

- Exposure to UV light from the sun or fluorescent lightbulbs can dramatically reduce the time-to-failure due to chlorine of PEX piping.
- There have been multiple class-action lawsuits alleging PEX system failures due to exposure to normal drinking water.
- Every major PEX manufacturer excludes failures caused by water chemistry from their warranty.

FACT: PEX and CPVC have comparable installation speed

- Research conducted by Home Innovation Research Labs (formerly the NAHB Research Center) found that PEX manufacturer claims of a 50% speed advantage are inaccurate.
- With equally experienced installers, the speed difference between the two systems was negligible and could be favorable to CPVC in common trunk and branch installations.

FACT: PEX can't handle elevated pressures

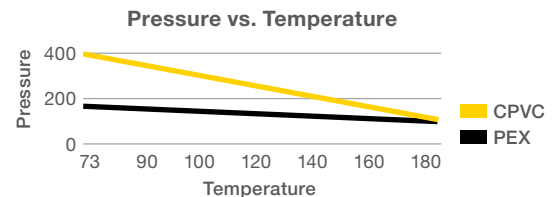
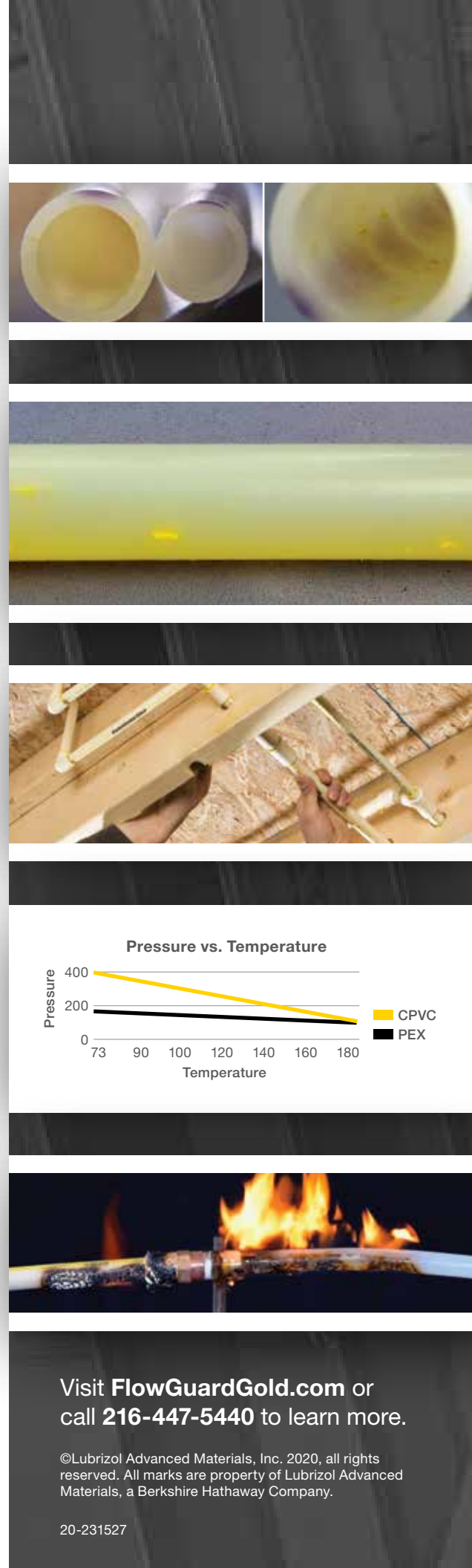
- FlowGuard Gold materials are rated at 400psi at room temperature; PEX is only rated at 160psi at room temperature.
- At PEX's max. operating temperature in potable water, 140F, it is only rated at 120psi vs. 200psi for FlowGuard Gold.
- PEX may experience premature failure due to chlorine at pressures above 80psi.

FACT: PEX will sustain a flame, while FlowGuard Gold self-extinguishes when flame is removed

- FlowGuard Gold pipe and fittings require 3 times more oxygen than is present in air to sustain a flame.
- PEX can easily sustain a flame, even while filled with water. In some cases, PEX can melt in a fire causing flaming plastic to drip onto surfaces below.

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PIPE & FITTINGS

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Visit **FlowGuardGold.com** or
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