





It reduces the risk of:

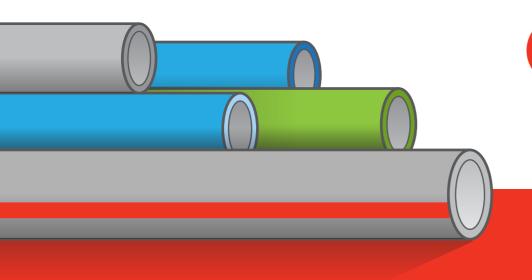
Accumulation of microorganisms which may cause health problems.



Impaired water quality, including taste and smell.

3

Bacterial growth, including multiplication of Legionella and Pseudomonas as well as increased counts of Coliform bacteria.



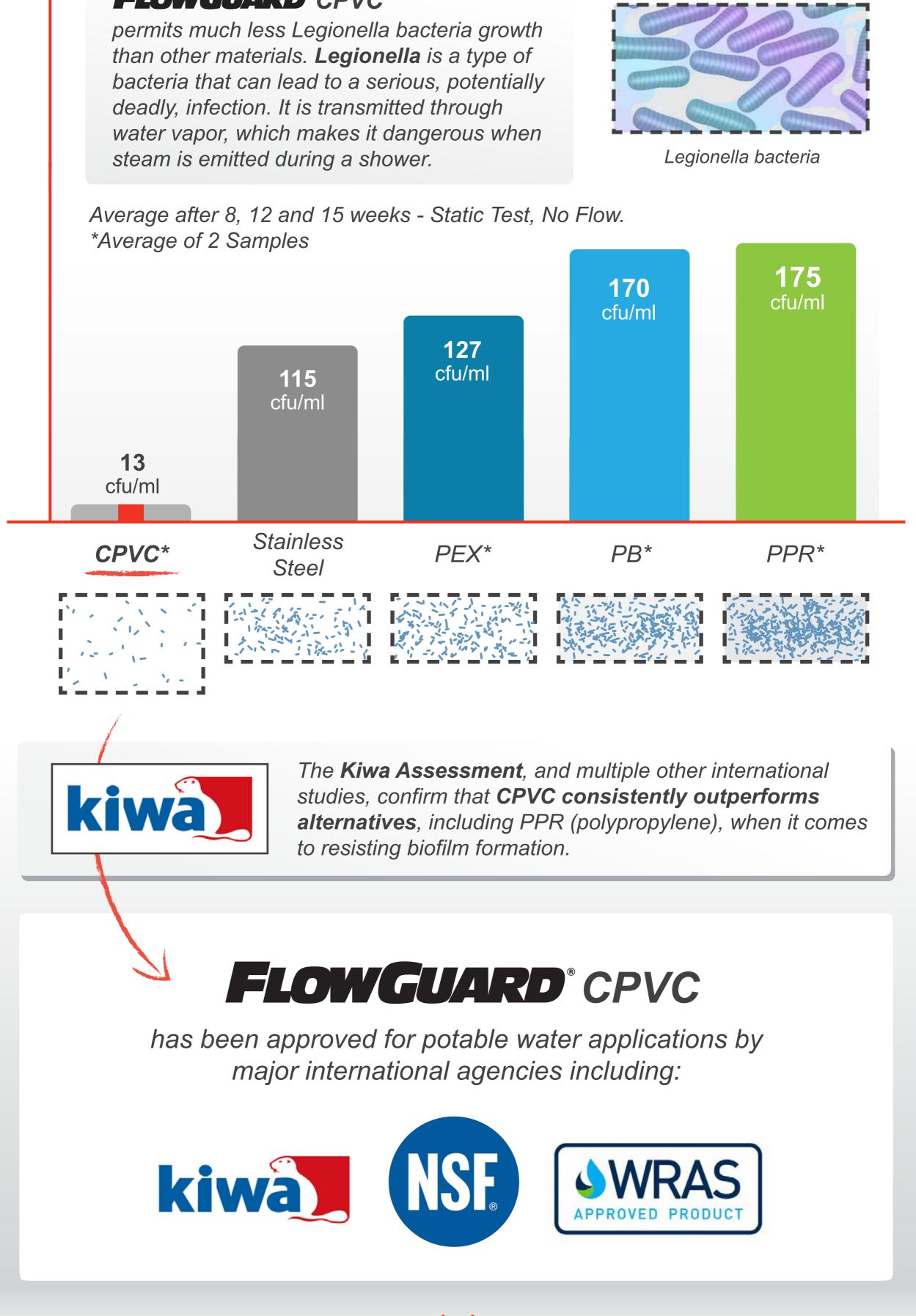
CPVC Resists Biofilm **Formation Better than** Alternatives

Biofilm Formation Potential (Pg ATP/cm²)



Number of Legionella Bacteria from Piping Materials

FLOWGUARD[®] CPVC

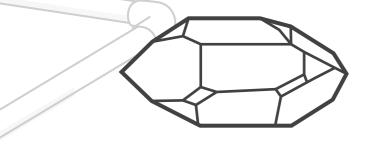


"CPVC consistently outperforms most other non-metallic piping materials with regard to its ability to resist the formation of biofilms."

- Dr. Paul Sturman

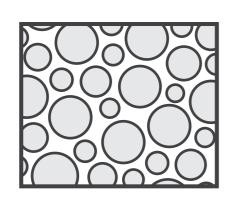
Research Professor and Industrial Coordinator for The Center for Biofilm Engineering at Montana State University

How CPVC Resists Biofilm Formation



CPVC is made of 67% salt, which is a medium not suitable for bacterial growth.







Smoother interior pipe surface and superior corrosion resistance.

Corrosion creates pockets on the pipe surface for biofilm and bacteria to latch onto. **PPR** is prone to corrosion from chlorine and chlorine dioxide in water.

Higher Density Material.

Less bacterial attachment by reducing the contact area between bacteria cells and pipe surface.

Contains no plasticizers.

In plastics, plasticizers and other additives offer a nutrient source to fungus. FlowGuard CPVC contains no additives for fungus to feed on.



FlowGuard CPVC is NSF 61 Annex G certificated, which verifies the weighted average lead content within the piping material is less than 0.25%.

For more info, visit:



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