

FLOWGUARD GOLD®

More than 50 years of service

BOW FlowGuard Gold® is a Hot-Cold Potable Water Distribution System made of chlorinated polyvinyl chloride (CPVC) for use in single and multi-family homes, apartments, high-rises, hotels/motels, and commercial installations. BOW FlowGuard Gold® CPVC has been used for hot and cold water distribution in Canada and the United States since 1960. It has a history of superior performance and competitive prices compared to metal and other alternative piping systems. CPVC pipe and fittings are joined by solvent welding which, through chemically bonding, essentially makes the pipe and fitting become one continuous piece.

New and improved, BOW FlowGuard Gold® is the greatest material advancement in CPVC history. The primary additional benefit of BOW FlowGuard Gold® is a significant reduction in installation problems related to product brittleness.

BOW FlowGuard Gold® is tan in color and has a gold stripe. In a sentence, BOW FlowGuard Gold® is the highest quality and best valued hot and cold potable water piping system available.

1/2" thru 2" with full line of fittings

Copper tube size (CTS) CPVC is available 1/2" thru 2" with a full line of fittings including: solvent weld fittings, specialty transition fittings, and valves. Solvent weld 45° and 90° elbows are manufactured in standard, street, and reducing configurations; bushings, caps, couplings, tees, and reducing tees are also available.

Specialty transition fittings are available to go from CPVC to male iron pipe (mip), female iron pipe (fip) or copper sweat connections.

Bushings are available to transition CPVC CTS to CPVC Iron Pipe Size (IPS) Schedule 40 and 80.

CPVC valves are manufactured with solvent weld connections in ball, globe, gate, and boiler drain configurations.

A standard compression stop with brass ferrule may also be used on CPVC CTS tubing since the O.D. is the same as copper tube.

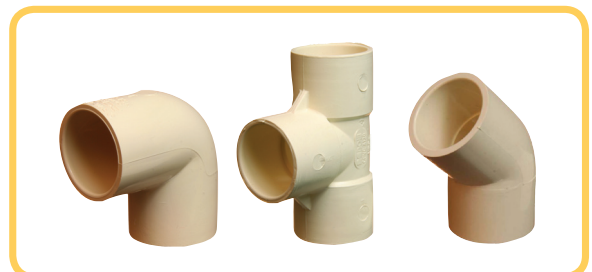


FlowGuard Gold Advantage

- 1) Proven performance since 1960
- 2) Consistently reliable joints
- 3) Small tool investment (cutter and chamfering tool only)
- 4) Substantial labor savings
- 5) Substantial material savings
- 6) Elimination of torch use
- 7) Reduces cost of insurance/workman's compensation benefits/lost man hours due to fewer job site injuries
- 8) Easier to work in tight places
- 9) Quieter than copper: insulates rather than resonates water flow noise
- 10) Greatly reduces condensation problems
- 11) Superior insulation reduces heat loss
- 12) Reduced water hammer
- 13) Full bore flow
- 14) Eliminates scale and corrosion problems
- 15) Reduces job site theft loss
- 16) Straight, professional appearance
- 17) No contamination of water supply due to corrosion by products
- 18) Third party certification for potable water safety
- 19) Price stability

and more...

- 20) Improved tubing toughness
- 21) Improved fittings quality
- 22) Stringent product quality testing
- 23) Enhanced product packaging
- 24) Significant cold-weather advantages during installation



Pipe Material Property Comparison

GENERIC CPVC and BOW FlowGuard Gold®			
Pipe Characteristic	TEST	Generic CPVC	FlowGuardGold
Specific Gravity	D-792	1.52	1.52
Rockwell Hardness	D-785	120	119.5
Heat Deflection Temp	D-648	214 (101)	217(103)
Izod Impact	D-256	1.6	6.3
Tensile Strength	D-636	8,080	7,800
Tensile Modulus	D-636	400,000	370,000
Flexural Strength	D-790	15,000	14,000
Flexural Modulus	D-790	413,000	427,000
Coefficient of Thermal Expansion	D-696	3.4 x 10 ⁻⁵	3.4 x 10 ⁻⁵
Flammability	UL-94	V-0	V-0

Codes & Approvals

Bow Flowguard Gold® Plumbing System:

- meets the requirements of the Plumbing Code and the Building Code and may be used for installations in both combustible and non-combustible construction.
- is approved to CSA B137.6 and ASTM D2846 standards
- conforms to the National Building Code of Canada requirements for Flame Spread Rating and Smoke Developed Classification.
- is certified to CAN/ULC S102.2M
- has working pressure of 100 psi at 180°F

Use only CPVC cement conforming to CSA B137.6 or ASTM F493
Never use multi-purpose cement.

Bow Flowguard® Gold Plumbing System
assures a quality installation.

For added information,
please consult our Bow FlowGuard Gold® Installation Guide
or visit www.bow-group.com

