

Specification Sheet

CPVC Pipe and Fittings

Overview

BOW CPVC FlowGuard Gold® tubing and fittings are manufactured for use in hot and cold potable water distribution including single and multi-family homes, apartments, high-rises, hotels/motels and commercial installations.

- ⊙ ½ to 2-inch nominal sizes
- ⊙ Available in straight lengths. 1 inch nominal is available in coil format
- ⊙ Tubing is made to CTS (Copper Tube Size) outside dimensions and an SDR (Standard Dimension Ratio) of 11
- ⊙ SDR means the wall thickness is directly proportional to the outside diameter. This results in all diameters carrying the same pressure capability

CPVC CTS SDR 11 tubing and fittings are recognized for water distribution in the US, model plumbing codes such as National Standard Plumbing Code, International Plumbing Code and the Uniform Plumbing Code. In Canada, it is recognized in the National Plumbing Code.

Technical Data:

Material:

Chlorinated Polyvinyl Chloride (CPVC), meeting the minimum requirements of CPVC Class 23447 in ASTM D1784 as required by ASTM D2846.

Continuous working pressure:

The system (Tubing and fitting) including joint, has a rated continuous working pressure of 100 psi at 180°F (82°C) and 400 psi at 73 °F (23°C).

Joining:

Use solvent cements that meet or exceed ASTM F493 and primers that meet or exceed ASTM F656. Solvent cements and primers shall be listed with NSF International, CSA Group or an accredited agency recognized by the Standard Council of Canada.

Dimensions:

Refer to the dimensional Tables in ASTM D2846.

Installation:

Refer to installation guide.

Chemical compatibility:

The contractor shall use ancillary building products (including, but not limited to fire stops, thread sealants, leak detectors, etc.) that are chemically compatible with Lubrizol CPVC compounds. The contractor shall consult the FBC™ System Compatible program for guidance on compatibility by visiting www.FBCSystemCompatible.com

Markings:

As per the requirements in ASTM D2846, CSA B137.6 and the third-party listing agency.

Standards

ASTM D2846 and CSA B137.6

Listings

Listing holder: Bow Plumbing Group Inc.

NSF 14; NSF 61; cNSF®us pw; ASTM D2846, CSA B137.6

The tubing also has listings with:

- ⊙ ICC Evaluation Service to UL 723/ASTM E84 product certificate PMG-1264 for flame and smoke rating of 25/50 respectively or better. PMG-1264 product certificate is held by Lubrizol Advanced Materials, Inc.
- ⊙ ULC to CAN/ULC S102.2 for flame and smoke rating of 25/50 respectively or better
- ⊙ ULC to CAN/ULC S101, design #'s M516, J900, W316 and W458
- ⊙ UL to UL 263, design #'s K917, L588, U383 and V461

