



FlowGuard® MultiPort Manifold for CPVC Plumbing Systems Submittal Specification

Date: _____

Job Name: _____ Location: _____

Engineer: _____ Contractor: _____

SCOPE:

This specification covers the material requirements for the FlowGuard® MultiPort manifold. The FlowGuard MultiPort manifold meets or exceeds the requirements set forth by ASTM D2846 and ANSI/NSF Standards 14 and 61 for hot and cold water distribution.

FlowGuard MultiPort Manifold Materials:

The FlowGuard MultiPort manifold is molded from Lubrizol CPVC compounds that meet cell class 23447 as defined by ASTM D1784. It is certified by NSF International for use with potable water and can be used in accordance with ASTM D2846 for use in hot and cold-water distribution.

DIMENSIONS AND PROPERTIES:

FlowGuard MultiPort manifold dimensions, tolerances and physical properties meet or exceed the requirements of ASTM D2846.

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.

SOLVENT WELDING:

All socket type joints shall be assembled employing solvent cements that meet or exceed the requirements of ASTM F493. The standard practice for safe handling of solvent cements shall be in accordance with ASTM F402. Solvent cement shall be certified by NSF International for use with potable water. Solvent cement shall be listed by NSF International for use with potable water and shall be approved by the FlowGuard Gold® pipe and fittings manufacturers.

FLAME AND SMOKE REQUIREMENTS:

Confirm compliance of all installed CPVC piping systems within return air spaces/plenums with that of the local industry acceptable flame/smoke standards. FlowGuard® MultiPort Manifolds shall be in general accordance with UL 723/ASTM E 84 shall meet the 25/50 flame and smoke requirement and shall be permitted to be installed in return air plenums, reference ICC-ES PMG 1264.

MARKING:

The marking on the FlowGuard MultiPort manifold shall meet the requirements of ASTM D2846 and state the pipe/fitting manufacturer's name or trademark (Colonial), the material designation (CPVC 4120), the size, the NSF mark for potable water (NSF-pw) and the ASTM designation (ASTM D2846).

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