

BlazeMaster[®]

FIRE SPRINKLER SYSTEMS



**LISTED AND APPROVED FOR MORE
TYPES OF APPLICATIONS THAN ANY
OTHER NON-METALLIC SYSTEM**

- Sprinkler Contractors
- General Contractors
- Builders & Developers
- Architects & Engineers
- Authorities Having Jurisdiction

Lubrizol

When dealing with fire protection, you need a piping system you can depend on. BlazeMaster® CPVC pipe and fittings are designed specifically for fire sprinkler systems and are based on more than 40 years of proven experience. Lubrizol, the worldwide leader in CPVC innovation, takes fire sprinkler systems to a level of superior performance that exceeds your expectations.

BlazeMaster fire sprinkler systems are the most advanced, Listed and approved non-metallic piping system available on the market today. And there's no comparison between CPVC pipe and metal pipe. CPVC systems offer more advantages than metal systems making all other pipes obsolete.

Check the facts:

- Certified by NSF International for potable water safety under all water conditions
- Elimination of scaling and corrosion for lasting performance, even in salt air environments
- Natural immunity to Microbiologically Influenced Corrosion (MIC)
- Superior flow characteristics offer better hydraulic design over metal systems
- Ease of fabrication in the field provides unmatched flexibility
- Minimal tool investment generates increased cost savings
- 50-year life expectancy with a safety factor of two
- CPVC formulation delivers exceptional toughness
- Quality Assurance Program guarantees consistency and reliability

BlazeMaster fire sprinkler systems are backed by an extensive field support organization, which is available for expert technical assistance and can provide you with:

- Proven installation recommendations to maximize efficiency and cost savings
- Expert consultation regarding compliance with local, regional and national codes

- Assistance with architects and engineers on design and specification work

There are numerous advantages to using the BlazeMaster fire sprinkler technology to address your specific needs, including:

Sprinkler Contractors

- **Improved durability:** BlazeMaster CPVC pipe and fitting compounds have been specially formulated using Lubrizol technology for improved durability.

It provides many advantages during installation, even at cold temperatures.

- **Cost savings:** Overhead on tools is minimal since pipe can be cut on-site with simple hand tools. A one-step joining system makes installations even quicker, keeping labor to a minimum.

General Contractors

- **Less conflict with other trades:** Contractors installing BlazeMaster systems work easily and quickly around dry-wallers, framers and other mechanical contractors.
- **Lightweight:** No special rigging or equipment is needed to move BlazeMaster pipe within the building.

Builders and Developers

- **Low cost:** Installed costs of a BlazeMaster system are significantly lower and prices are more stable than metal systems.
- **Optimal sized system:** Smooth internal diameters lead to better hydraulic performance than metal systems, which often means pipe can be downsized, lowering material costs.





Architects and Engineers

- **Fully tested:**

BlazeMaster fire sprinkler systems have been thoroughly tested by UL, FM, UL-C, LPCB, VdS (Germany) and TFRI (China). These systems have been exposed to flames reaching above 1400°F during fire tests and have been tested at twice the operating pressure continuously for more than one year without signs of weakening or failure.

- **Design freedom:**

Lightweight and easy fabrication means BlazeMaster CPVC pipe and fittings are ideal for those tough-to-get-at areas and in retrofit applications where their flexibility allows for quick, quiet and clean installations, which lead to occupancy benefits.

Authorities Having Jurisdiction

- **Fully Listed and approved:** BlazeMaster pipe and fittings are Listed by UL and UL-C for NFPA 13 light hazard occupancies, NFPA 13D, NFPA 13R, VdS approved, Tianjin Fire Research Institute approved, approved by Factory Mutual and all major model building and mechanical codes.
- **Proven performance:** BlazeMaster CPVC fire sprinkler systems have a proven track record of reliable performance since its introduction in 1984. Lubrizol's Quality Assurance Program, unsurpassed in the industry, ensures that this reliability will be maintained for many years to come.

"Approved for more applications than any other non-metallic pipe"

To put it simply - BlazeMaster CPVC pipe and fittings are the standard in fire sprinkler system protection. For further information call 888-234-2436 or visit our website at www.blazemaster.com.

Listings and Approvals

- UL 1821 Listed
 - Exposed system risers NFPA 13D, 13R
 - Exposed basement NFPA 13D (solid wood joist)
 - Extended coverage (exposed)
 - 20' spacing on pendent in lieu of 15'
 - Use with all Tyco and Viking combustible concealed sprinklers
 - Tyco attic sprinkler head (to protect the floor below)
 - Tyco attic sprinkler head with wet system piping (feed main and ridge installation)
 - Exposed extended coverage sidewall sprinkler Listings for exposed pipe & fittings
 - 24' extended coverage sidewall sprinkler, 12" drop, 155°F sprinkler head
 - 18' extended coverage sidewall sprinkler, 12" drop, 165°F sprinkler head
 - 16' extended coverage sidewall sprinkler, 12" drop, 175°F sprinkler head
 - 14' standard coverage sidewall sprinkler, 12" drop, 200°F sprinkler head
 - Permitted for use with return air plenums with no set-back at ceiling openings per NFPA 90A
- ULC or CUL Listed
- Factory Mutual Approved
 - Factory Mutual Approval exposed
 - Factory Mutual Approval above drop-in ceilings
 - Factory Mutual Approval exposed w/ Soffi-Steel®* soffiting covering system
- LPCB Approval
- NSF Certification

Other Differentiation

- Size available up to 3"
- Approved commercial product for over 20 years
- Backed by over 40 years of CPVC resin and compound manufacturing experience
- CPVC resin & compound from ISO 9001 manufacturing facilities
- System chemical compatibility program (ancillary products) backed by independent third party testing/verification
- Formal installation training program which has more than 10,000 graduates
- Developed UL approved cut-in procedure
- Leader in new Listing and Approval developments
- Dedicated CPVC system field consultants
- CPVC pipe compound pressure rated by Plastics Pipe Institute
- CPVC fitting compound pressure rated by Plastics Pipe Institute
- Pipe compound cell class, 23547, exceeds the minimum allowable ASTM requirements for CPVC tensile strength
- Fitting compound cell class, 24447, exceeds the minimum allowable
- ASTM requirements for CPVC impact strength

Refer to manufacturer's installation instructions for product Listings and limitations prior to use.



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QUALITY ASSURANCE PROGRAM

BlazeMaster® pipe and fittings are produced to stringent quality standards, established by Lubrizol, that exceed ASTM and other industry standards. Lubrizol has partnered with eight high quality manufacturers of pipe and fittings to bring the BlazeMaster system to market. Each manufacturer of the pipe participates in a Quality Assurance Program that ensures that these high standards are maintained for your peace of mind. This program is unique to Lubrizol and includes testing on strength and ductility and other physical properties of the pipe as well as dimensional tolerances. Lubrizol remains the technology leader and primary source of CPVC materials worldwide. While we do not manufacture pipe and fittings, we maintain a close and active relationship with the pipe and fittings manufacturers. Ask for the details of the warranty program from these BlazeMaster manufacturers.

For a complete listing of regional sales representatives and manufacturers,
please visit our website at www.blazemaster.com.

BM-2

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