

RESIDENTIAL FIRE PROTECTION YOU CAN TRUST

A residential fire sprinkler system must be reliable, effective, easy to install and affordable. BlazeMaster® Fire Sprinkler Systems leads the way in residential fire protection, giving homebuilders, engineers and installers a product they can count on.



The Lubrizol Corp. pioneered the use of nonmetallic piping in fire sprinkler systems and continues its leadership through continuous R&D, rigorous product testing and innovation. Its BlazeMaster® technology is composed of flame-resistant pipe and fitting material specifically engineered for durability, ease of installation and dependability. BlazeMaster Fire Sprinkler Systems offer an unbeatable combination of performance, dependability and cost-effectiveness.

PRODUCT FEATURES AND BENEFITS

The BlazeMaster Systems Advantage

- Cost-effective with lower life-cycle costs.
- Eliminates the need for costly tools and equipment.
- Safe and dependable joining system reduces installation costs.
- In the past 30 years, more than 2 billion feet of BlazeMaster Piping Systems have been installed in more than 60 countries.
- Expert consultation regarding compliance with local, regional and national codes.
- In-person and online training program for installers.

Availability and Sizing

BlazeMaster Pipe & Fittings are available worldwide through a network of manufacturers.

BLAZEMASTER PIPING SYSTEMS MAKE RESIDENTIAL FIRE PROTECTION AFFORDABLE



Sizing

- Pipe: ASTM F442 in ¾" to 3" (SDR 13.5 Iron Pipe Size)
- Fittings: ASTM F437 or F438 in ¾" to 1¼"; ASTM F439 in 1½" to 3"

LISTINGS, APPROVALS AND APPLICATIONS

BlazeMaster® Pipe & Fittings are UL listed, FM approved and NSF certified for residential applications.

NFPA 13R

Under NFPA 13R, BlazeMaster Fire Sprinkler Systems are listed for residential applications, up to and including four stories, including multi-story, multi-family units, hotels and motels, apartments, condominiums and townhouses and student housing.



Advantages Over Steel

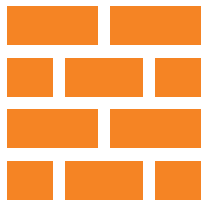
- Lower environmental impact.
- Lightweight pipe does not require special rigging or equipment to transport through a construction site.
- No offsite fabrication required.
- Faster, cleaner installation.
- Immune to corrosion, even in salt air environments.
- Lightweight pipe goes into tight spaces faster, easier and quieter and is easier to work with around other contractors. Ideal for retrofits.

BlazeMaster Pipe & Fittings Performance Is Unmatched

- BlazeMaster pioneered the use of nonmetallic fire sprinkler systems and is the market leader.
- R&D Department continues to innovate.
- Higher impact resistance on fittings and higher level ASTM Material classification over alternative CPVC.
- FBC System Compatible offers authoritative source on chemical compatibility with ancillary products.
- Free installation training and consulting.

NFPA 13D

BlazeMaster® Pipe & Fittings are UL listed and FM approved for residential applications.

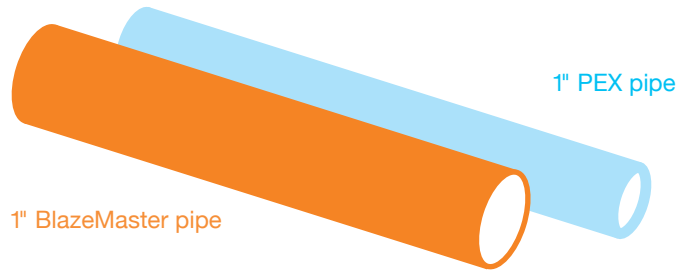


BlazeMaster Has the Lowest Total Installed Cost

This is due to its lower material costs, hydraulic advantages and easier installation methods.

PEX

PEX is a more expensive and time-consuming installation process.



Less Pipe, More Flow

Because of its superior construction, a 1" IPS BlazeMaster pipe can flow approximately 47% more water than a thicker-walled 1" CTS PEX pipe of the same diameter.

PEX

Thicker walls and looped installation means more PEX pipe is needed, increasing labor and materials costs.



Other Advantages Over PEX

- Superior flame and smoke resistance. BlazeMaster pipe will char while PEX will sustain combustion.
- BlazeMaster Pipe & Fittings are UL listed and FM approved for residential applications.
- BlazeMaster Pipe & Fittings are listed for use with exposed composite wood joist systems in unfinished areas of basements.
- BlazeMaster Fire Sprinkler Systems are approved for use in NFPA 13, 13R and 13D light hazard occupancies. PEX is limited to only NFPA 13D.
- BlazeMaster is approved to be used as a multipurpose, stand-alone or passive purge system.



BENEFITS OF A BLAZEMASTER® FIRE SPRINKLER SYSTEM



Environmental Impact

A study completed by FM Global and the Home Fire Sprinkler Coalition in April 2010 lists some of the many benefits that can result from the installation of a fire sprinkler system:

- Greenhouse gases released by burning buildings can be reduced by 98%.
- Reduce fire damage by up to 97%.
- Reduce water usage to fight a home fire by upwards of 90%.
- Firefighters utilize 250 gal./min. and BlazeMaster® Fire Sprinkler Systems use only 25 gal./min.
- Reduce the amount of water pollution released into the environment.

Protecting Against the Dangers of Modern Home Construction

Over the last 25 years, homes have been built more economically, utilizing lightweight construction techniques and products. While cost-effective, this method has consequences, including a much faster burn time and greater destruction of property. Modern furnishings also burn more quickly.

- A BlazeMaster Fire Sprinkler System reacts quickly and provides additional escape time from burning structures.
- Increases chance of survival by 80%.*
- Reduces property loss by 70%.*



**A SPRINKLER SYSTEM
INCREASES CHANCE
OF SURVIVAL BY 80%
AND REDUCES PROPERTY
LOSS BY 70%.***

THE TRUTH ABOUT BLAZEMASTER® FIRE SPRINKLER SYSTEMS



MISCONCEPTION	FACT
“When a fire occurs, every sprinkler will go off and ruin the whole house.”	Only the fire sprinkler closest to the fire wall will activate. Roughly 85% of the time, just one sprinkler operates.
“Burnt toast could set them off.”	Sprinkler heads are not triggered by smoke, they activate only when they sense extreme temperatures between 135 and 165 degrees.
“They’re ugly – they’ll ruin the look of the house.”	New sprinkler models can be mounted flush with walls or ceilings and concealed behind decorative coverings.

Additional Resources

Fire Sprinkler Initiative - firesprinklerinitiative.org/, Home Fire Sprinkler Coalition - homefiresprinkler.org/



FBC System Compatible



BlazeMaster® Pipe & Fittings are tested to ensure chemical compatibility with a range of ancillary products, including thread sealants, construction materials and firestops. Go to FBCSystemCompatible.com for a full list of compatible products and proceed with confidence.

Training and Education

To ensure proper installation, BlazeMaster offers free online training for installers, contractors, engineers and construction managers. Training covers cutting and joining, listings and approvals, chemical compatibility, best practices, health and safety and more. Those who successfully complete the course receive a BlazeMaster training card and certificate.

Manufacturing Network

BlazeMaster partners with the top pipe and fittings manufacturers globally. BlazeMaster works closely with these partners to ensure quality control and meet the most rigid specifications.





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Lubrizol

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