



SCIENCE. SERVICE. SAFETY.

HEALTHCARE FIRE FACTS

Each year:

- 5,700 fires in U.S. healthcare facilities
- 2 deaths, 157 injuries
- \$50.4 million in property damage

Source: National Fire Protection Association



When installed per its listing, BlazeMaster CPVC:

- Resists heat and maintains its structure when directly exposed to a flame.
- Eliminates corrosion and scaling issues that are common with steel systems.
- Provides a smoother interior surface than steel, which creates less friction that can slow water flows.

Prescription for Healthcare Fire Sprinkler Systems: BlazeMaster® CPVC Saves Time and Money

Protecting patients and caregivers in a wide range of healthcare facilities, BlazeMaster® Fire Protection Systems offer the best material for ensuring performance while reducing costs and stream-lining installation. BlazeMaster CPVC is approved for any light hazard occupancy under NFPA 13, including:

- Hospitals
- Hospices
- Medical and dental offices
- Nursing homes
- Ambulatory surgical centers
- Urgent care sites
- Imaging and radiology centers
- Rehabilitation facilities
- Mental health and addiction treatment centers

It's also the right choice for special settings unique to healthcare that house sensitive equipment. BlazeMaster Fire Sprinkler Systems are less likely to interfere with wireless connections that have become prominent in healthcare settings.

6 Reasons to Choose BlazeMaster Fire Protection Systems

1. Save Lives

BlazeMaster Fire Sprinkler Systems have reliably protected people and property from fire for 40 years. More than 2 billion feet of BlazeMaster CPVC has been installed globally – it's the most specified non-metallic piping system in the world.

2. Save Money

Depending on the type and size of the project, BlazeMaster CPVC can save up to 30% compared to a steel system, including materials costs and labor. For instance, BlazeMaster Fire Sprinkler Systems offer superior hydraulics compared to steel, which means designers can specify smaller diameter pipe to reduce overall material costs.

**CASE STUDY:
HOSPITAL SAVES MONEY BY
CHOOSING BLAZEMASTER CPVC**
In planning the Musogee Community
Hospital in Oklahoma, designers
chose BlazeMaster Fire Protection
Systems primarily to save money.

“When it came time to choosing materials for the plumbing and fire sprinkler systems, we didn’t have to run the numbers side by side,” said hospital President Mark Roberts. “The financial benefits afforded by BlazeMaster Fire Protection Systems were obvious when you considered both the material and labor costs.”



3. Meet Tight Installation Timelines

BlazeMaster CPVC is much easier to install than steel pipe, which shortens the installation time in addition to reducing labor costs. With lightweight BlazeMaster Fire Sprinkler Systems, one person can cover an area using basic hand tools along with a quick, one-step solvent cement welding process. By comparison, special equipment and extra workers are needed to simply move steel pipe around the site. Torches and loud threading machines are needed to fabricate and join the system. Parts of steel systems may require off-site fabrication, which can slow the installation process.

4. Keep long-term maintenance costs low.

Steel systems are prone to costly repairs due to corrosion and scaling (mineral buildup). Hospitals are filled with expensive equipment and leaks due to corrosion can be very costly. BlazeMaster Fire Sprinkler Systems eliminate the threat of sprinkler leaks due to corrosion. With steel pipe, the combination of water, treatment chemicals and oxygen can cause corrosion to start within two years. About one-third of wet sprinkler systems have significant corrosion issues after 25 years, according to a study by a German fire safety firm. In contrast, BlazeMaster CPVC naturally resists corrosion and scaling over the life of system, even in demanding settings with salt air or fluctuating pH balances in the water. Repairs are simple if needed, unlike steel pipe that requires hot work and messy cutting oils.

5. Minimize disruption for patients and staff during retrofits and repairs

BlazeMaster CPVC's easy installation is also cleaner and quieter, which creates minimal disruption for building occupants. That's important in healthcare retrofits to reduce noise that could create an unpleasant environment for patients. By contrast, installing and repairing steel pipe requires open-flame torches and noisy threading machines that cause disruption for occupants.

6. Deliver superior sustainability metrics to support green building practices

Eco-friendly building techniques are important in health-care, and CPVC offers significant advantages over steel pipe. An [ISO-compliant lifecycle assessment](#) found that BlazeMaster Fire Protection Systems are much less harmful to produce and has half the climate change impact of steel pipe. BlazeMaster CPVC outperformed steel in 12 out of 13 categories, including human toxicity, mineral and water depletion, nonrenewable energy use and others.





Choose the Right Orange

While there are different brands of CPVC pipe and fittings, BlazeMaster CPVC offers important advantages:

- **Performance measures.** Based on demanding ASTM testing, BlazeMaster Fire Sprinkler Systems outperformed a competing brand on burst and impact-resistance testing. Contractors and engineers can confidently specify BlazeMaster CPVC to the highest available pressure rating.
- **Unmatched support.** BlazeMaster Fire Protection Systems are backed by industry-leading training and support, and world-class manufacturing partners with a proven record of producing the highest-quality materials in compliance with our Quality Assurance Program.

- **One-stop shopping.** BlazeMaster CPVC manufacturing partners are also the top fire protection products manufacturers in the world. Unlike competitive CPVC brands, all materials for a fire sprinkler system can be sourced from one place. There is no need to mix and match products or go through the hassle of dealing with multiple vendors.

Find out more about how BlazeMaster Fire Sprinkler Systems are right for your project. [Visit Blazemaster.com](https://www.blazemaster.com)



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