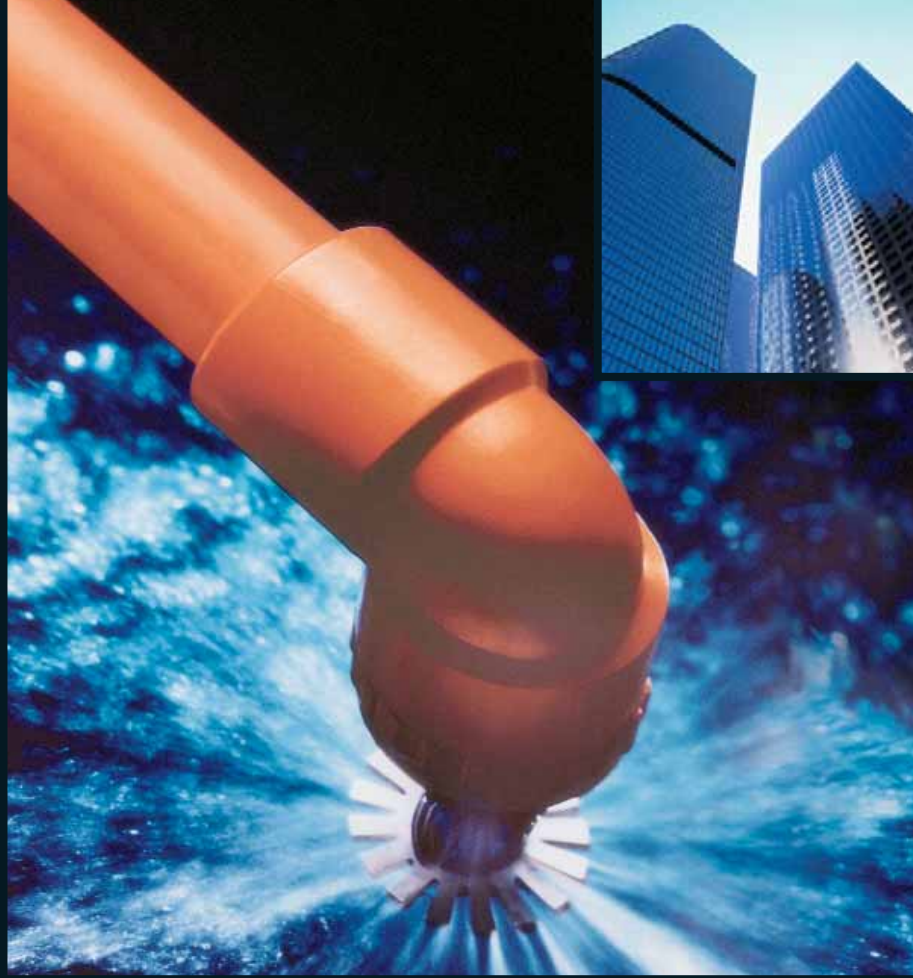


Fire Sprinkler Systems



BlazeMaster[®]
FIRE SPRINKLER SYSTEMS



F I R E S P R I N K L E R S Y S T E M S

BlazeMaster[®] CPVC pipe and fittings are specifically designed for fire sprinkler systems and approved for more applications than any other nonmetallic system.



IPEX

We build tough products for tough environments[®]

BlazeMaster®

FIRE SPRINKLER SYSTEMS

The new standard in fire sprinkler systems



Specially formulated for fire sprinkler systems, BlazeMaster pipe and fittings are made from post-chlorinated polyvinyl chloride (CPVC) and is fully approved for use in NFPA 13 Light Hazard applications in both new and retrofit construction including:

- High-rise buildings, including apartments and hotels
- Schools and institutions
- Single-family residences

Manufactured by IPEX, a world leader in thermoplastic piping systems, CPVC has a 40-year history of continuous and proven service.

BlazeMaster pipe and fittings – Approved for more applications than any other non-metallic system

IPEX BlazeMaster CPVC systems exceed ASTM and other industry standards and meet all major building and mechanical codes.

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'
- 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 Listed

Factory Mutual Approved

- Factory Mutual Approval exposed
- Factory Mutual Approval above drop-in ceilings
- Factory Mutual Approval exposed w/ Soffi-Steel® soffit covering system

NSF Certification



The ideal solution for fire sprinkler systems

BlazeMaster pipe and fittings are ideal for wet automatic fire sprinkler systems with an outstanding combination of features including:

- Easy assembly
- Lightweight construction
- Low friction loss
- No rusting, pitting, scaling or corrosion, even in salt air environments
- Immunity to Microbiologically Influenced Corrosion (MIC)

Full field support

IPEX BlazeMaster CPVC systems are backed by an extensive field support organization providing:

- Proven installation recommendations to maximize efficiency and cost savings
- Compliance advice for local, regional and national building codes
- Expert design and specification recommendations

SALES AND CUSTOMER SERVICE

Canadian Customers call
Toll free: (800) 473-9462 (IPEX INC)

U.S. Customers call
Toll Free: (800) 463-9572

www.ipexinc.com

About IPEX

IPEX is a leading supplier of thermoplastic piping systems. We provide our customers with one of the world's largest and most comprehensive product lines. All IPEX products are backed by more than 50 years of experience.

With state-of-the-art manufacturing facilities and distribution centers across North America, the IPEX name is synonymous with quality and performance.

Our products and systems have been designed for a broad range of customers and markets. Contact us for information on:

- Plumbing and mechanical piping systems
- Industrial process piping systems
- Municipal pressure and gravity piping systems
- Electrical systems
- Telecommunications and utility piping systems
- Irrigation systems
- PE Electrofusion systems for gas and water
- Radiant heating systems
- Industrial, plumbing and electrical cements
- PVC, CPVC, PP, ABS, PEX and PE pipe and fittings (1/4" to 48")

WARRANTY: All of the Company's Products are guaranteed against defects resulting from faulty workmanship or materials. The Company will replace, free of charge, including shipping charges for the replacement Products, any Products which are found to be defective in workmanship or material, provided that the following conditions are met:

- a) the Company is promptly notified in writing of such defect immediately upon discovery of same, and the defective Product is promptly returned to the Company;
- b) the defect is not due, without limitation, to faulty installation, misalignment of Products, vibration, ordinary wear and tear, corrosion, erosion, U.V. degradation, incompatible lubricants, pastes and thread sealants, unusual pressure surges or pulsation, water hammer, temperature shocking, or fouling; and
- c) the Products have not been altered or modified after leaving the Company's premises.

The warranty period can be specifically limited for certain Products as stated in writing in the Company's literature.

The Company will not allow claims for labor, materials and/or other expenses required to replace the defective Product, or to repair any damage resulting from the use thereof. The Company disclaims any responsibility for the Purchaser's calculations, product drawings or engineering design specifications. The Company's liability is limited to the purchase price applicable to the product.

It is agreed and understood that the Company's liability in respect to the sale is strictly limited to the replacement of Products as hereinbefore specified and that the Company shall not, in any event, be liable for any damages whether for the loss of use or business interruption or any other claim for incidental, consequential, special or punitive damages. There is no warranty, condition or representation of any nature whatsoever, expressed or implied, by statute or otherwise, except as herein contained, and the Company disclaims any implied warranties of merchantability and/or fitness of its Products for a special purpose.

This literature is published in good faith and is believed to be reliable. However, IPEX does not represent and/or warrant in any manner the information and suggestions contained in this brochure. Data presented is the result of laboratory tests and field experience.

IPEX maintains a policy of ongoing product improvement. This may result in modification of features and/or specifications without notice.



IPEX

BlazeMaster® is a registered trademark of the Lubrizol Corporation

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Superior Performance, Durability and Safety



With a high flash ignition temperature, low flame spread and smoke development ratings, and a fuel contribution of 0, BlazeMaster pipe and fittings are an ideal choice for fire sprinkler systems.

BlazeMaster pipe and fittings meet the most stringent requirements governing the use of combustible pipe in most building types. BlazeMaster pipe and fittings have been successfully exposed to flame temperatures of 1400°F. After undergoing continuous elevated pressure testing at 400 psi (more than twice the rated pressure) for more than one year, BlazeMaster CPVC systems showed no sign of weakness or failure.

BlazeMaster pipe and fittings are manufactured under a strict Quality Assurance Program that guarantees consistency and reliability. Pipe and fittings are impervious to normal weather conditions and are fundamentally ageless.

BlazeMaster CPVC systems for designers, architects and engineers

BlazeMaster pipe and fittings offer greatly enhanced design flexibility. With a Hazen-Williams C factor of 150, its smooth inner surface results in lower friction loss than metal systems. This means you can use smaller pipe diameters which lowers your material costs and provides additional design flexibility in retrofit applications.

BlazeMaster pipe and fittings have a 50-year life expectancy with a safety factor of two. Properly selected and correctly installed, BlazeMaster pipe and fittings provide years of maintenance-free service.

Other Differentiation

- Sizes 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 Approved 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

BlazeMaster CPVC systems for builders and developers

BlazeMaster pipe and fittings significantly reduce labor and transportation costs on typical installations because CPVC pipe is easily handled, stored, cut and joined. Prices for BlazeMaster CPVC pipe and fittings are more stable than metal systems. Plus, heavy equipment needed to install metal and other piping systems is not required with BlazeMaster pipe and fittings. As a result, installed costs of BlazeMaster CPVC systems are significantly lower than metal and other systems.

The inherent immunity to Microbiologically Influenced Corrosion (MIC) of BlazeMaster pipe and fittings means this system provides a long-term trouble-free installation. As well, there is significantly less inconvenience for occupants during retrofit construction.

BlazeMaster CPVC systems for contractors

Installation of BlazeMaster pipe and fittings is fast and easy. No special rigging or heavy equipment is required to move the pipe into a building. Pipe can be cut on-site with simple hand tools. A one-step joining system makes installations fast, keeping labor costs to a minimum.

Because no heavy equipment is involved in moving and installing pipe and fittings on-site, there is less conflict with other trades. Work can be done quickly and easily around drywallers, framers and other mechanical contractors.

Most hangers designed for metal pipe are suitable for BlazeMaster CPVC systems. Because BlazeMaster pipe is rigid and inherently strong, it requires fewer hangers and supports than other thermoplastic pipe, reducing material and labor costs even more.

**BlazeMaster® Pipe Dimensions and Weights
SDR 13.5 (ASTM F 442)**

Nominal Size		Weight Per Foot (H ₂ O filled)	
inches	mm	lbs.	kgs
3/4	20.0	0.428	0.637
1	25.0	0.675	0.100
1-1/4	32.0	1.079	1.606
1-1/2	40.0	1.417	2.109
2	50.0	2.224	3.310
2-1/2	65.0	3.255	4.844
3	80.0	4.829	7.186

IPEX SST™ Fitting Revolutionizes Sprinkler Installation

The new patent pending SST sprinkler head adapter (SHA) fittings improve how quickly, easily and reliably fire sprinkler heads are installed. Here's how...



A Cross-threading reduced

Its one-of-a-kind stainless steel leading thread helps align sprinkler heads during installation, greatly reducing the chances of cross-threading.

B No more cracked brass SHA fittings

The cost of replacing damaged brass SHA fittings is a common element of sprinkler projects. The unique stainless steel reinforcement in the SST fitting helps reduce these costs by providing improved resistance to torque as well as long term strength.

C Friction and installation effort is reduced

Installers will benefit from the reduced level of installation friction between sprinkler heads and the new SST fitting when compared to typical brass SHA fittings. Less friction means less effort and reduced installation time.



**IPEX SST™
Sprinkler Head Adapter**

Fax back to receive a complimentary copy of the BlazeMaster CPVC Technical Manual



For more information, or to be included on our mailing list for new product announcements, complete this card and fax it to us at (905) 403-1124.

Name

Title

Dept.

Company

Address

City

State/Province

Zip/Postal Code

Phone

Fax

E-mail

Company Classification

- Architect/Design Firm
- Builder/Developer
- Operator/Plant Maintenance
- Contractor
- Distributor/Wholesaler
- Engineering Firm
- Government
- OEM-Product(s) Manufactured: _____
- Utility
- Other: _____

I would also like to know about other IPEX products:

- Plumbing and mechanical piping systems
- Electrical or telecommunications piping systems
- Irrigation piping systems
- Industrial piping systems
- Hydronic radiant heating systems
- Municipal piping systems

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