

Victaulic Vortex™

The *Victaulic Vortex* fire suppression system is built on Victaulic® innovation and product development experience and provides the best capabilities of both water mist and inert gas systems. The homogeneous mixture of water droplets and nitrogen gas is discharged with enough energy to overcome the drag effect that has limited the effectiveness of traditional water mist systems.

The *Victaulic Vortex* system utilizes an active release system to discharge nitrogen upon activation. The average *Victaulic Vortex* droplet size is around 10 microns, and the minimal amount of water released per emitter is as little as ¼ gallon or 1 litre per minute. The system virtually eliminates any wetting in a space and uses 97% less water than high-pressure water mist systems. No costly clean up or equipment replacement.

The only hybrid nitrogen-water fire suppression system with:

- Green design that is safe for the environment and personnel
- Quick system recharge; minimal facility downtime
- No need for assurance of tight room integrity

**Victaulic Vortex****page***Victaulic Vortex 500*

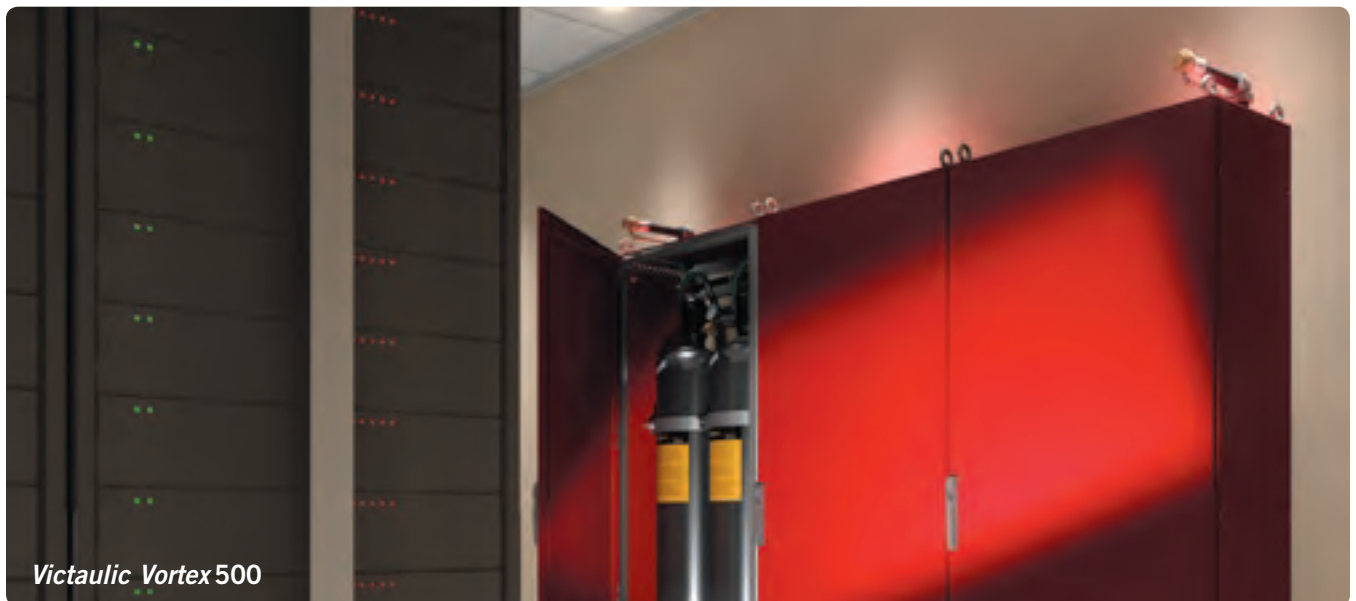
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*Victaulic Vortex 1000*

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*Victaulic Vortex 1500*

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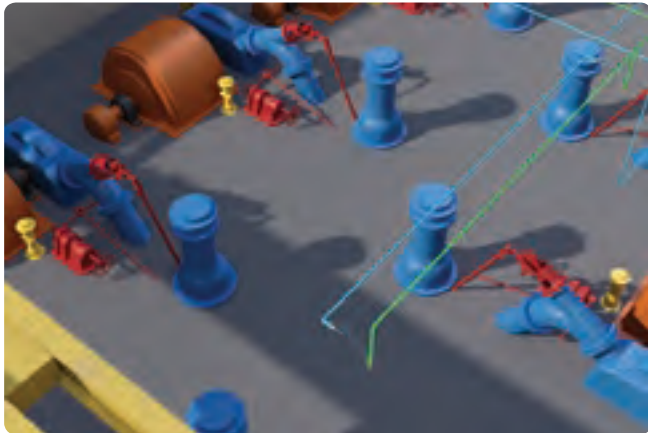
*Victaulic Vortex 500*



Victaulic Vortex™ 500 Fire Suppression System

[Download publication 70.10](#) for complete information

- Self-contained, requiring no additional piping once placed in the risk area
- Maximum elevation above sea level: 10,000 ft | 3,048 m
- Enclosure Volume: 500–6,100 ft³ | 14–173 m³



Victaulic Vortex™ 1000 Fire Suppression System

[Download publication 70.01](#) for complete information

- FM Approved in accordance with the FMCL-5580 standard for Fixed Extinguishing Systems, Hybrid (Water and Inert Gas) for the protection of combustion turbines, machinery spaces, and special hazard machinery spaces in enclosures with volumes not exceeding 127,525 ft³ | 3600 m³ and a maximum height of 24.6 ft | 7.5 m
- Touchscreen interface provides a simplified view into the operational aspects of the system

Approvals/Listings:



Victaulic Vortex™ 1500 Fire Suppression System

[Download publication 70.06](#) for complete information

- Can effectively be applied in total flooding fire suppression applications in the following areas: Industrial machine spaces such as power generation plants, turbine enclosures, automotive manufacturing, steel foundry, flammable liquids storage, data centers, museums, libraries, or mining facilities
- Touchscreen interface provides a simplified view into the operational aspects of the system

Specialty Systems

For special fire protection applications, Victaulic® delivers a variety of piping product solutions. From plain end HDPE, stainless steel and carbon steel, to grooved AWWA size ductile iron, carbon steel and stainless steel piping, whatever your need Victaulic has a full line of products to make the installation faster, easier and more economical.

Victaulic provides a variety of joining systems and materials for almost any fire protection application. Victaulic products are designed to meet the needs of the most demanding systems.







For the most up-to-date information on our specialty line of products please visit the Victaulic web site at victaulic.com.

Vic-Press™ stainless steel press tool PFT510



Specialty Systems

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Vic-Press™ for Schedule 10S Stainless Steel Piping

For the most up-to-date information please visit victaulic.com/vicpress

Revolutionary *Vic-Press* technology is now globally available for use on ASTM A-312 Schedule 10S stainless steel pipe. The *Vic-Press* for Schedule 10S system features an established and reliable technology that does not require special pipe. *Vic-Press* is now available for standard off-the-shelf stainless steel pipe, providing quick, easy and safe installation and maintenance.

Approvals/Listings:



Plain End Piping System

For the most up-to-date information please visit victaulic.com

The Victaulic® plain end piping method is ideal for maintenance and repairs as well as new system installation. *Roust-A-Bout* couplings and plain end fittings are UL and ULC Listed for fire protection services.

Victaulic plain end couplings are primarily designed for use on standard weight steel pipe (Schedule 40), but may be used on lightwall steel or other metallic pipe such as aluminum or stainless steel. No special pipe end preparation is necessary.

They are not intended for use on plastic pipe, plastic-coated pipe or brittle pipe, such as asbestos cement or cast iron. Nor are they intended for use on pipe with a surface hardness greater than 150 Brinell.

Approvals/Listings:



Specialty Systems



The Refuse-to-Fuse™ System for HDPE Pipe

For the most up-to-date information please visit refuse-to-fuse.com

The Refuse-to-Fuse™ System joins high density polyethylene pipe (HDPE) up to 10 times faster than traditional fusing with simple hand tools in any weather condition. Designed to be buried and FM Approved for Underground Fire Service Mains.

Approvals/Listings:



Copper Piping System

For the most up-to-date information please visit victaulic.com

The Victaulic grooved copper system offers a full line of couplings, Installation-Ready™ fittings, fittings, flange adapters and valves rated up to 300 psi | 2068 kPa | 20 bar. The copper connection system joins 2–8" | DN50–DN200 copper.

Approvals/Listings:

