The Victaulic Vortex fire suppression system is a dual-fluid hybrid fire suppression system. The homogeneous suspension of inert gas mixed with ultra-fine droplets of water mist protects enclosures with two extinguishment mechanisms that are occurring simultaneously: flame temperature cooling and lowering of the ambient oxygen level.

**PRODUCT DESCRIPTION**

The Series 953 ¾ DC (Data Center) Emitter is a Victaulic-patented device designed to deliver the hybrid water and nitrogen mixture to the hazard at a high velocity low pressure. The water and nitrogen are mixed at the emitter and distributed as a homogenous suspension with great momentum. Using proprietary supersonic atomization technology, the emitter atomizes the water to <10μm forming a dense homogeneous suspension of nitrogen and water when discharged as total flooding fire suppression system.

**Emitter Kit Includes:**

- ¾”/19 mm NPT strainer, 100 mesh
- ¾”/19 mm NPT 0.26 GPM/0.98 LPM flow cartridge
- ¾”/19 mm NPT fittings
- ¾”/19 mm NPT to ½”/9.5 mm copper tube compression fittings
- ¼”/6.4 mm NPT x ½”/9.5 mm 90° copper tube compression fitting

**NOTE:** ½”/9.5 mm tubing is not included

**MATERIAL SPECIFICATIONS**

- **Body (Foil, Water Jacket):** UNS C36000 or UNS S316000 Stainless
- **Finish:** Plain Brass or Stainless Steel. Contact Victaulic for coatings other than standard options noted.
- **Orifice Size:** ¾”/16mm
- **Nitrogen Flow:** 250 Standard ft³ per minute/76.2 Standard m³ per minute
- **Water Flow:** 0.26 GPM/0.98 LPM
- **Orientation:** Pendent or sidewall for data centers - avoid direct placement over equipment.
- **Nitrogen Inlet:** ¾”/19mm Male NPT
- **Water Inlet:** ¼”/6.4mm Female NPT
- **Temperature Rating:** None, open

**JOB/OWNER**

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**CONTRACTOR**

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**ENGINEER**

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www.victaulic.com

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**Victaulic Vortex™ Fire Suppression System**

**SERIES 953 ½ DC (DATA CENTER) EMITTER FOR USE WITH VICTAULIC VORTEX 1500 FIRE SUPPRESSION SYSTEMS**

**DIMENSIONS**

Reference should always be made to the applicable I-VORTEX Victaulic Design and Installation Manual for the product you are installing. Manuals are included with each shipment of Victaulic products for complete installation and assembly data.

**INSTALLATION**

Reference to the Warranty section of the current Price List or contact Victaulic for details.

**WARRANTY**

This product shall be manufactured by Victaulic or to Victaulic specifications. All products to be installed in accordance with current Victaulic installation/assembly instructions. Victaulic reserves the right to change product specifications, designs and standard equipment without notice and without incurring obligations.

**NOTE**

[For complete contact information, visit www.victaulic.com](https://www.victaulic.com)