**Victaulic Vortex™ Fire Suppression System**

**SERIES 953 5/8 DC (DATA CENTER) Emitter for Use With Victaulic Vortex 1500 Fire Suppression Systems**

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 5/8 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:**

- 3/4"/19 mm NPT strainer, 100 mesh
- 3/4"/19 mm NPT 0.26 GPM/0.98 LPM flow cartridge
- 3/4"/19 mm NPT fittings
- 3/4"/19 mm NPT to 3/8"/9.5 mm copper tube compression fittings
- 1/4"/6.4 mm NPT x 3/8"/9.5 mm 90° copper tube compression fitting

**NOTE:** 3/8"/9.5 mm tubing is not included

**MATERIAL SPECIFICATIONS**

**Body (Foil, Water Jacket):** UNS C36000 or UNS S31600 Stainless

**Finish:** Plain Brass or Stainless Steel. Contact Victaulic for coatings other than standard options noted.

**Orifice Size:** 5/8/16mm

**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:** 3/4"/19mm Male NPT

**Water Inlet:** 1/4"/6.4mm Female NPT

**Temperature Rating:** None, open

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**JOB/OWNER**

System No. ______________________________ Submitted By ____________________________ Spec Sect _______________ Para ___________

Location ________________________________ Date  ___________________________________ Approved _______________________________

**CONTRACTOR**

Submitted By ______________________________ Date ______________________________

**ENGINEER**

Spec Sect ___________ Para ___________

Approved ______________________________ Date ______________________________
**Victaulic Vortex™**

Fire Suppression System

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**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**

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

**NOTE**

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.

For complete contact information, visit www.victaulic.com

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