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.

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:**
- 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 3/8”/9.5 mm copper tube compression fittings
- ¼”/6.4 mm NPT x ¾”/9.5 mm 90° copper tube compression fitting

**NOTE:** ¾”/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:** 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:** ¾”/19mm Male NPT
- **Water Inlet:** ¾”/6.4mm Female NPT
- **Temperature Rating:** None, open

**JOB/OWNER**

System No. ____________________________
Location ____________________________

**CONTRACTOR**

Submitted By ____________________________
Date ____________________________

**ENGINEER**

Spec Sect ____________________________
Para ____________________________
Approved ____________________________
Date ____________________________

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Victaulic Vortex™
Fire Suppression System
SERIES 953 ⅜ DC (DATA CENTER) EMITTER FOR USE WITH VICTAULIC VORTEX 1500 FIRE SUPPRESSION SYSTEMS

DIMENSIONS

**INSTALLATION**
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.

**WARRANTY**
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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