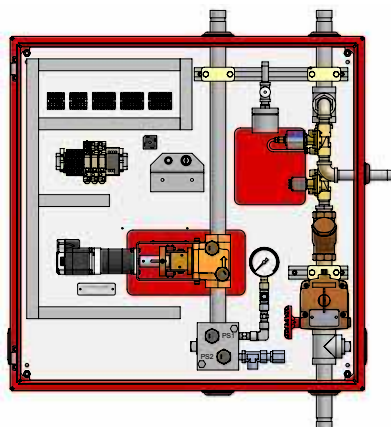


Victaulic Vortex™ 1500 Fire Suppression System



Series 953 Emitter



Series 951 Addressable
Combination Box
Patented

1.0 PRODUCT DESCRIPTION

Application

The Victaulic Vortex 1500 Fire Suppression System 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
- Mining facilities

Environmental Impact

Since the Victaulic Vortex 1500 system only discharges pure nitrogen and potable or de-ionized water, there are no environmental or life-safety risks as a result of system discharge. The EPA SNAP approval recognizes the Victaulic Vortex homogenous suspension discharge as a suitable replacement for Halon 1301. The system can be discharged immediately upon hazard detection, without a delay for occupant

2.0 CERTIFICATION/LISTINGS

Regulatory Information

The Victaulic Vortex Fire Suppression System has the approval of the United States EPA under the Significant New Alternatives Program Alternate Policy ("SNAP") and is listed as an acceptable replacement for Halon 1301 in total flooding applications.

The Victaulic Vortex Fire Suppression System has been evaluated using the fire tests referenced in NFPA 2001 through the use of materials such as Class A polymeric sheets and wood crib materials, as well as Class B flammable liquid fires. Reference UL Investigative Report Project 07NK11919, EX5170 and FM Contract Test Report Project 3031726, Class 5560.

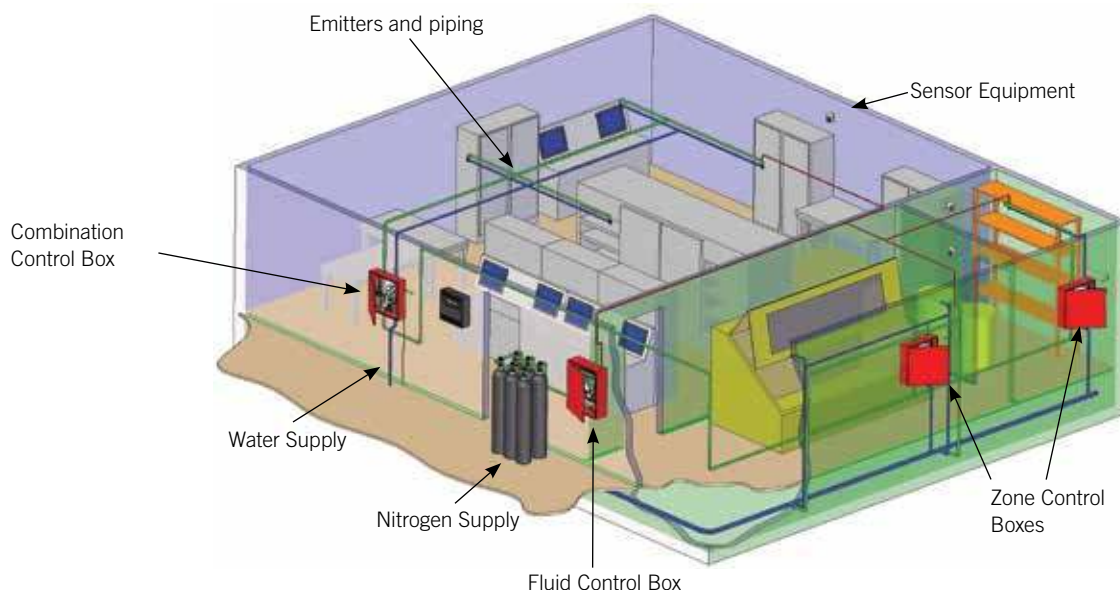
ALWAYS REFER TO ANY NOTIFICATIONS AT THE END OF THIS DOCUMENT REGARDING PRODUCT INSTALLATION, MAINTENANCE OR SUPPORT.

System No.		Location	
Submitted By		Date	

Spec Section		Paragraph	
Approved		Date	

3.0 SPECIFICATIONS – MATERIAL

Typical System Layout



4.0 DIMENSIONS

Not applicable – contact Victaulic with any questions.

5.0 PERFORMANCE

The system incorporates an open architecture design and is fully compatible with automatic hazard detection systems and is adaptable for remote manual activation if required.

A system installation and maintenance manual is available containing information on system components and procedures concerning design, operation, inspection, maintenance and recharge.

The Victaulic Vortex 1500 system is particularly useful for suppressing fires in hazards where an electrically non-conductive medium is essential or desirable, where clean up of other agents present a problem, where room integrity is not achievable or where the hazard is normally occupied and requires a non-toxic agent.

The basic system consists of stored nitrogen and either potable or captive water supply, or de-ionized water piping along with single or multiple zone control boxes and system emitters in the hazard area. The suspension of water and nitrogen is distributed and discharged into the hazard area through a network of pipe and emitters. System emitters can be installed in either a pendent or sidewall configuration and are positioned via straight-forward cubic-foot/meter coverage volume requirements.

6.0 NOTIFICATIONS

Not applicable – contact Victaulic with any questions.

7.0 REFERENCE MATERIALS

Installation

All system components and accessories must be installed by trained personnel. All installation must be performed according to the guidelines stated in the manufacturer's design, installation, operation, inspection, recharge and maintenance manual. See publication: I-VORTEX.1500.

User Responsibility for Product Selection and Suitability

Each user bears final responsibility for making a determination as to the suitability of Victaulic products for a particular end-use application, in accordance with industry standards and project specifications, and the applicable building codes and related regulations as well as Victaulic performance, maintenance, safety, and warning instructions. Nothing in this or any other document, nor any verbal recommendation, advice, or opinion from any Victaulic employee, shall be deemed to alter, vary, supersede, or waive any provision of Victaulic Company's standard conditions of sale, installation guide, or this disclaimer.

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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.

Installation

Reference should always be made to the Victaulic installation handbook or installation instructions of the product you are installing. Handbooks are included with each shipment of Victaulic products, providing complete installation and assembly data, and are available in PDF format on our website at www.victaulic.com.

Warranty

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

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