

# Victaulic® Direct Acting Pressure Relief Valve/ Fire Pump Casing Relief Valve Series 867-3HC



## 1.0 PRODUCT DESCRIPTION

### Function

- Direct Acting, Spring Loaded, Diaphragm Type Relief Valve

### Process connections

- ¾"/20mm NPT or BSPT

### Pressure Rating

- 365 psi/25 bar

### Working temperature

- 40 – 180°F/4 – 82°C

### Pressure gauge connection

- ¼" NPT/8mm (F)

## 2.0 CERTIFICATION/LISTINGS



## 3.0 SPECIFICATIONS - MATERIAL

**Body:** Stainless steel

**Cover and lower plug:** Brass

**Elastomers:** NBR

**Internals:** Stainless Steel & Brass

**Spring:** Galvanized

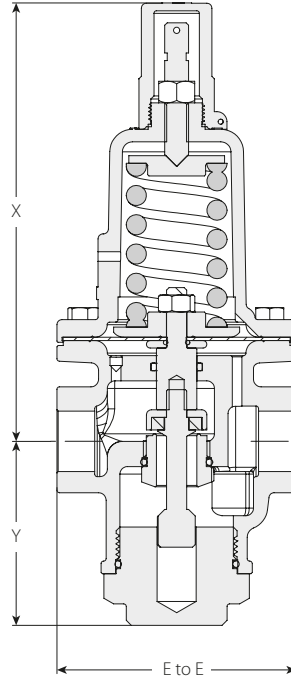
**Tamperproof Cap:** Plastic

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      |  |

## 4.0 DIMENSIONS



| Model      | Performance                  | Dimensions             |                   |                   | Weight                            |
|------------|------------------------------|------------------------|-------------------|-------------------|-----------------------------------|
|            | Pressure Range<br>psi<br>kPa | E to E<br>inches<br>mm | X<br>inches<br>mm | Y<br>inches<br>mm | Approximate<br>Each<br>Lbs.<br>kg |
| 867-3HC-16 | 15 – 235                     | 3.75                   | 6.88              | 2.88              | 8.0                               |
|            | 103 – 1620                   | 95                     | 175               | 73                | 3.6                               |
| 867-3HC-30 | 100 – 365                    | 3.75                   | 7.50              | 2.88              | 9.7                               |
|            | 689 – 2517                   | 95                     | 191               | 73                | 4.4                               |

## 5.0 PERFORMANCE

The valve can be installed in any orientation, vertical or horizontal.

Be sure not to install the valve at any low point or at the bottom of the piping, where accumulated debris might enter the valve and hamper correct functioning.

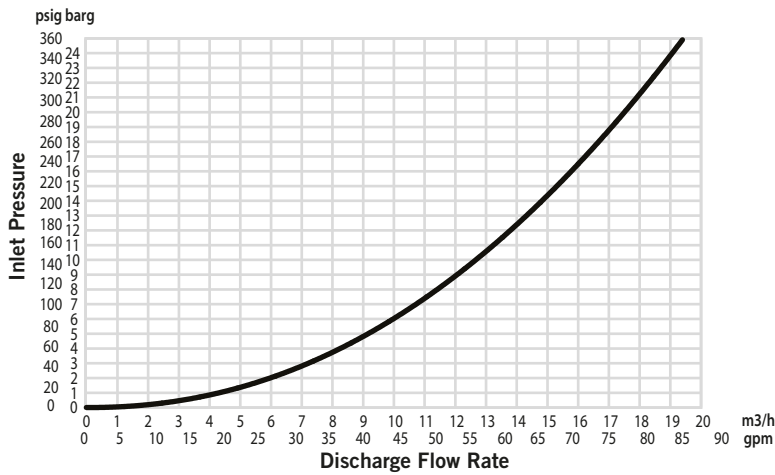
The valve will occasionally open to release over pressure, expelling water to the atmosphere. Where relevant, install piping to direct the expelled water to a preferred drainage point.

**NOTE**

- Model FP 3HC is suitable for minimum flow fire pump applications, typically used as pump casing relief valve. For full-rated fire pump capacity discharge.
- See [Model 43T](#) or [FP-730-UF](#) Fire

### Flow Chart

#### Series 867-3HC







## 5.1 PERFORMANCE

### Setting Range and Adjustment

| Model      | Pressure |         | In field adjustment<br>1 Turn of adjusting screw = approx. |
|------------|----------|---------|--|
|            | bar      | psi     |  |
| 867-3HC-16 | 1-16     | 15-235  | 2.2 bar/31.3 psi   |
| 867-3HC-30 | 7-25     | 100-365 | 1.8 bar/25.7 psi   |

## 6.0 NOTIFICATIONS

|  <b>WARNING</b>  |  |
|---|--|
| <br><br><br><br> | <ul style="list-style-type: none"> <li>Always read and understand installation, care, and maintenance instructions, supplied with each box of sprinklers, before proceeding with installation of any sprinklers.</li> <li>Always wear safety glasses and foot protection.</li> <li>Depressurize and drain the piping system before attempting to install, remove, or adjust any Victaulic piping products.</li> <li>Installation rules, especially those governing obstruction, must be strictly followed.</li> <li>Painting, plating, or any re-coating of sprinklers (other than that supplied by Victaulic) is not allowed.</li> </ul> <p>Failure to follow these instructions could result in serious personal injury and/or property damage.</p> <p>The owner is responsible for maintaining the fire protection system and devices in proper operating condition. For minimum maintenance and inspection requirements, refer to the current National Fire Protection Association pamphlet that describes care and maintenance of sprinkler systems. In addition, the authority having jurisdiction may have additional maintenance, testing, and inspection requirements that must be followed.</p> <p>If you need additional copies of this publication, or if you have any questions about the safe installation of this product, contact Victaulic World Headquarters: P.O. Box 31, Easton, Pennsylvania 18044-0031 USA, Telephone: 001-610-559-3300.</p> |

## 7.0 REFERENCE MATERIALS

[FP-3HC – Bermad Fire Protection Pressure Relief Valve](#)

### 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](http://www.victaulic.com).

### Warranty

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

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