

# FireLock™

## Series 718 Check Valve



### 1.0 PRODUCT DESCRIPTION

#### Available Sizes

- 2 – 3"/DN50 – DN80

#### Pressure Class

- Up to 300 psi/2068 kPa/20 bar

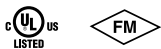
#### Application

- Designed for use in Fire Protection systems.
- Prevents back flow.
- Single-disc mechanism incorporates a spring-assisted feature for non-slamming operation.
- Can be installed either vertically (flow upwards only) or horizontally.
- Valve body cast with arrow indicator to assist with proper valve orientation.
- Rated for ambient temperature use in fire protection systems.

#### End Preparation

- Provided with OGS grooved ends in accordance with [publication 25.01](#).

### 2.0 CERTIFICATION/LISTINGS



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	

## 2.0 CERTIFICATION/LISTINGS (Continued)

### Approvals/Listings

Size		Approval/Listing Service Pressures	
Nominal inches DN	Actual Outside Diameter inches mm	Series 718	
		cULus	FM
2 DN50	2.375 60.3	300 psi/2068 kPa/20 bar	300 psi/2068 kPa/20 bar
2½	2.875 73.0	300 psi/2068 kPa/20 bar	300 psi/2068 kPa/20 bar
DN65	3.000 76.1	300 psi/2068 kPa/20 bar	300 psi/2068 kPa/20 bar
3 DN80	3.500 88.9	300 psi/2068 kPa/20 bar	300 psi/2068 kPa/20 bar

## 3.0 SPECIFICATIONS – MATERIAL

**Body:** Ductile Iron conforming to ASTM A-536, Grade 65-45-12.

**Body Coating:** Black Fusion Bonded Epoxy

**Seat Ring:** Bronze conforming to ASTM B62, Grade C83600

**Disc:** Ductile Iron conforming to ASTM A-536, Grade 65-45-12, EPDM Rubber Encapsulated

**Clapper Shaft:** Type 316 Stainless Steel

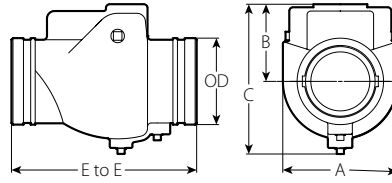
**Spring:** Type 304 Stainless Steel

**Plug:** Type 304 Stainless Steel

**Washer:** EPDM

## 4.0 DIMENSIONS

### Series 718



Size		Dimensions				Weight
Nominal inches DN	Actual Outside Diameter inches mm	E to E inches mm	A inches mm	B inches mm	C inches mm	Approximate (Each) lb kg
2 DN50	2.375 60.3	7.50 191	3.50 89	2.63 67	5.25 133	5.8 2.6
2½	2.875 73.0	8.00 203	4.13 105	2.88 73	5.88 149	7.5 3.4
DN65	3.000 76.1	8.00 203	4.13 105	2.88 73	5.88 149	7.5 3.4
3 DN80	3.500 88.9	8.38 213	4.63 117	3.13 79	6.25 159	9.7 4.4

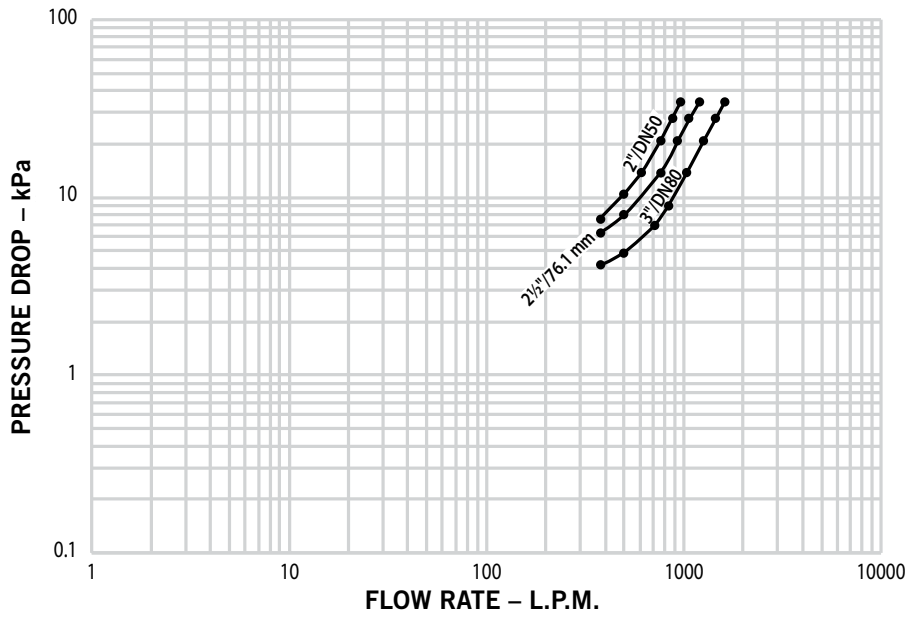
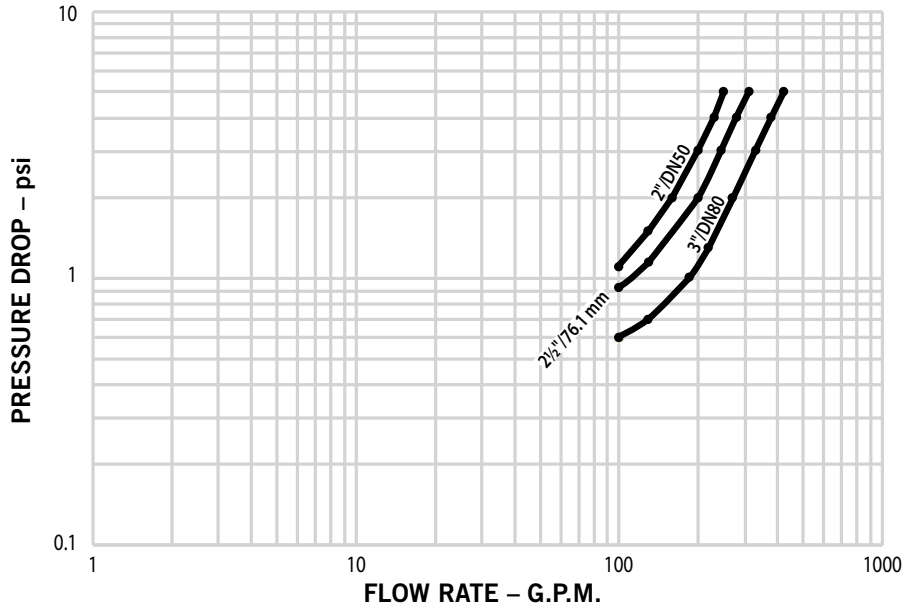
**NOTE:**

- All ports are 0.5" | 15 mm BSPT in diameter.

## 5.0 PERFORMANCE


### Flow Characteristics

The charts below express the flow of water at 60°F/16°C through the valve.



## 6.0 NOTIFICATIONS

⚠ WARNING



- Read and understand all instructions before attempting to install any Victaulic products.
- Always verify that the piping system has been completely depressurized and drained immediately prior to installation, removal, adjustment, or maintenance of any Victaulic products.
- Wear safety glasses, hardhat, and foot protection.

Failure to follow these instructions could result in death or serious personal injury and property damage.

- These products shall be used only in fire protection systems that are designed and installed in accordance with current, applicable National Fire Protection Association (NFPA 13, 13D, 13R, etc.) standards, or equivalent standards, and in accordance with applicable building and fire codes. These standards and codes contain important information regarding protection of systems from freezing temperatures, corrosion, mechanical damage, etc.
- The installer shall understand the use of this product and why it was specified for the particular application.
- The installer shall understand common industry safety standards and potential consequences of improper product installation.
- It is the system designer's responsibility to verify suitability of materials for use with the intended fluid media within the piping system and external environment.
- The material specifier shall evaluate the effect of chemical composition, pH level, operating temperature, chloride level, oxygen level, and flow rate on materials to confirm system life will be acceptable for the intended service.

Failure to follow installation requirements and local and national codes and standards could compromise system integrity or cause system failure, resulting in death or serious personal injury and property damage.

## 7.0 REFERENCE MATERIALS

- [05.01: Seal Selection Guide](#)
- [29.01: Terms and Conditions/Warranty](#)
- [I-100: Field Installation Handbook](#)

### 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, 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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