

FireLock® Alarm Check Valve

SERIES 751



*** FireLock® European Alarm Check Valve Stations**

**SERIES 751
EUROPEAN TRIM (SEE PAGE 10)**



SERIES 751

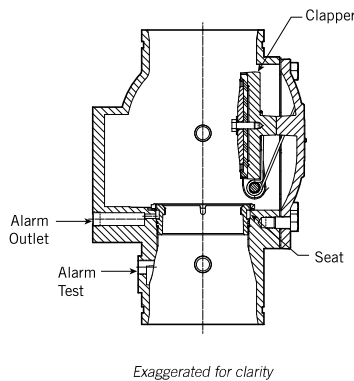


**SERIES 751
EUROPEAN TRIM**

The Victaulic® Series 751 alarm check valve works as a check valve by preventing the reverse flow of water from the system piping to the water supply. The valve is trimmed with a water bypass line, which has an in-line swing check valve. The bypass line allows pressure surges to enter the system and to be trapped above the alarm check valve's clapper without the clapper lifting and causing false alarms.

NOTE: The Series 751 FireLock Alarm Check Valve is also available as part of the FireLock European Alarm Check Valve Station (Vds, CE, LPCB). See page 10 for details.

FEATURES



When a significant flow of water occurs, such as from an open sprinkler, the alarm valve's clapper lifts and allows water to enter the system. Simultaneously, water enters an intermediate chamber, which allows the water to activate an alarm either through a water motor alarm or through a water pressure alarm. These alarms continue to sound until the flow of water is stopped.

The Victaulic Series 751 alarm check valve is made from high strength, low weight ductile iron, and offers easy access to all internal parts. All internal parts are replaceable without having to remove the valve from the installed position. The rubber clapper seal is easily replaced without removing the clapper from the valve. The valve is painted inside and out to increase corrosion resistance.

The UL, ULC, FM, VNIPO approved version of the valve station valve can be installed in vertical orientations, and it can be used in both constant and variable pressure systems when the optional retard chamber is included in the trim piping. The VdS, CE, LPCB trim version can only be installed vertically. All versions of the Series 751 are available grooved x grooved only.

The Series 751 is available 1½ – 8" / 40 – 200mm. Standard grooved dimensions conform to ANSI/ AWWA C606.

Available Sizes and Approved Pressures - UL, ULC, FM, VNIPO approved version:

The 1½ – 6" / 40 – 165.1 mm valve is rated to 300psi/2065kPa and is tested hydrostatically to 600psi/4135kPa. The 8" / 200mm valve is rated to 225psi/1550kPa and is tested hydrostatically to 450psi/3100kPa.

OPTIONS

Available Sizes and Approved Pressures: VdS, CE, LPCB version:

This configuration available in 3", 4", 6", 165mm (not VdS approved) and 8" sizes. These sizes are rated to 232 psi/16 bar.

Optional equipment includes pressure switch, which allows the activation of an electric alarm panel or remote alarm. The valve can be used in both constant pressure and variable pressure installations with the optional retard chamber. The body is tapped for main drain and all available trim configurations. The trim includes an alarm test valve, which allows testing of the alarm system without reducing the system pressure. The Series 751 Alarm Check Valve can be purchased with separate trim kits, or it can be purchased pre-trimmed.

JOB OWNER

System No. _____
Location _____

CONTRACTOR

Submitted By _____
Date _____

ENGINEER

Spec Sect _____ Para _____
Approved _____
Date _____

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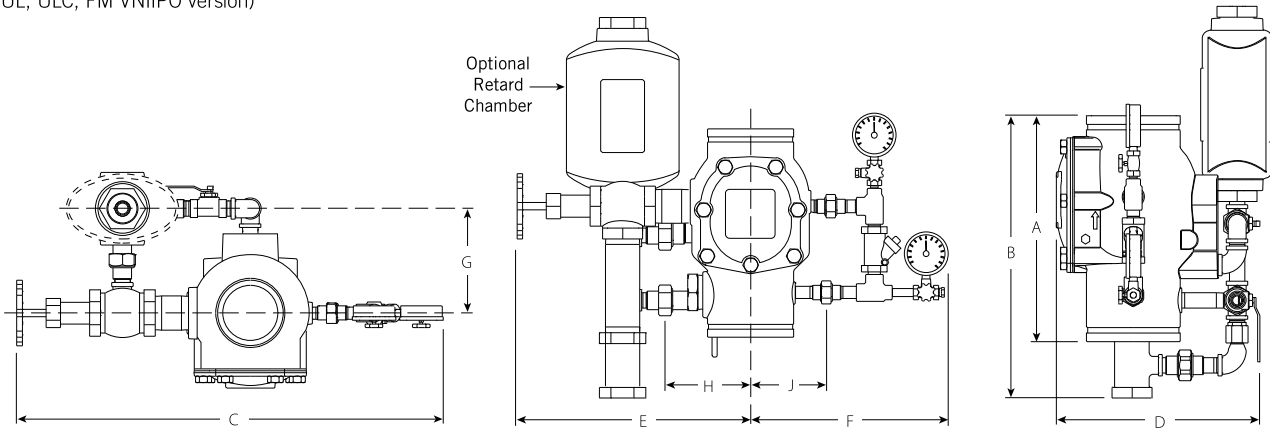
SERIES 751



SERIES 751
EUROPEAN TRIM

DIMENSIONS

(UL, ULC, FM VNIPO version)



TYPICAL 4"/100MM – OTHER SIZES MAY VARY.

Size		Dimensions – Inches/mm										Aprx. Wgt. Each	
Nominal Size In./mm	Actual Outside Diameter In./mm	E to E A	Height B	Width C	Depth D	E	F	G	H	J	Without Trim Lbs./kg	With Trim Lbs./kg	
1½ 40	1.900 48.3	9.00 228.60	18.50 470	21.00 533	12.50 318	10.00 254	11.00 279	9.00 229	5.00 127	5.00 127	14.2 6.4	31.0 14.1	
2 50	2.375 60.3	9.00 228.60	18.50 470	21.00 533	12.50 318	10.00 254	11.00 279	9.00 229	5.00 127	5.00 127	14.6 6.6	31.0 14.1	
2½ 65	2.875 73.0	12.61 320.29	22.50 572	23.50 597	13.50 343	11.25 286	12.00 305	9.00 229	5.00 127	5.00 127	34.4 15.6	52.0 23.6	
76.1 mm	3.000 76.1	12.61 320.29	22.50 572	23.50 597	13.50 343	11.25 286	12.00 305	9.00 229	5.00 127	5.00 127	34.4 15.6	52.0 23.6	
3 80	3.500 88.9	12.61 320.29	22.50 572	23.50 597	13.50 343	11.25 286	12.00 305	9.00 229	5.00 127	5.00 127	35.3 16.0	52.0 23.6	
4 100	4.500 114.3	15.03 381.76	23.50 597	29.00 737	14.00 356	13.50 343	15.00 381	10.00 254	5.80 147	5.80 147	49.0 22.2	80.0 36.3	
6 150	6.625 168.3	16.00 406.40	24.00 610	30.11 765	17.28 439	14.25 362	16.00 406	10.00 254	5.88 149	6.02 153	69.0 31.3	91.0 41.3	
165.1 mm	6.500 165.1	16.00 406.40	24.00 610	30.11 765	17.28 439	14.25 362	16.00 406	10.00 254	5.88 149	6.02 153	69.0 31.3	95.0 43.1	
8 200	8.625 219.1	17.50 444.50	26.00 660	30.00 762	18.00 457	15.25 387	16.00 406	10.00 254	16.00 406	10.00 254	142 64.4	182 82.6	

FireLock® Alarm Check Valve

SERIES 751



* FireLock® European Alarm Check Valve Stations

SERIES 751
EUROPEAN TRIM (SEE PAGE 10)



SERIES 751



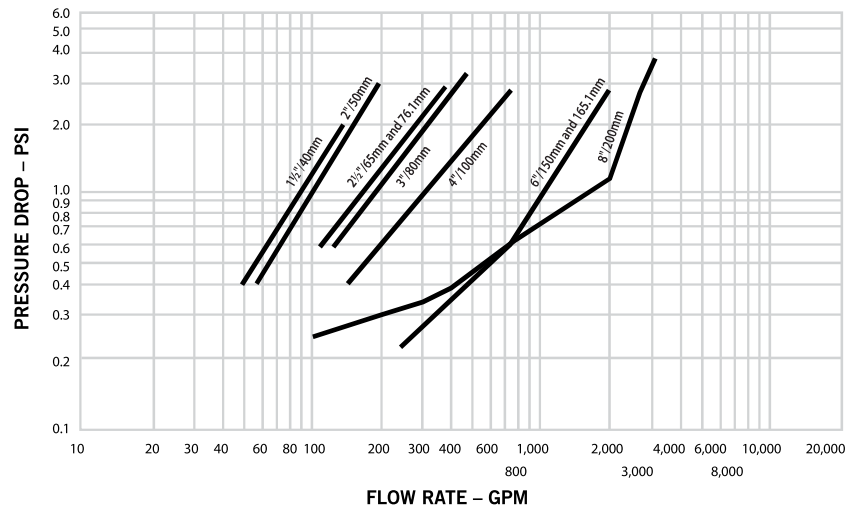
SERIES 751
EUROPEAN TRIM

PERFORMANCE

(UL, ULC, FM VNIPO version)

Hydraulic Friction Loss

The chart below expresses the flow of water at 65°F/18°C through a full open valve.



Frictional Resistance

The chart below expresses the frictional resistance of Victaulic Series 751 Alarm Check Valve in equivalent feet of straight pipe.

Size		Equivalent Length of Pipe
Nominal Size Inches mm	Actual Outside Dia. Inches mm	Feet meters
1½ 40	1.900 48.3	3 0.910
2 50	2.875 60.3	9 2.740
2½ 65	2.875 73.0	8.00 2.438
76.1 mm	3.000 76.1	8.00 2.438
3 80	3.500 88.9	17.00 5.182
4 100	4.500 114.3	21.00 6.401
6 150	6.625 168.3	22.00 6.706
165.1 mm	6.500 165.1	22.00 6.706
8 200	8.625 219.1	50.00 15.240

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EUROPEAN TRIM (SEE PAGE 10)

SERIES 751

SERIES 751
EUROPEAN TRIM**OPERATION**

(UL, ULC, FM VNIPO version)

The Series 751 Alarm Check Valve's construction includes a clapper, which has a replaceable rubber face. The clapper closure is assisted by a spring, which ensures proper contact of the clapper to the brass seat ring.

When installed, the alarm check valve traps pressure above the clapper and prevents the reverse flow of water. Minor pressure surges pass through the bypass loop without lifting the clapper from its seat. The swing check valve in the bypass line traps the pressure above the clapper; this can be observed in the pressure gauges. The system-side water pressure will always be equal to or greater than the supply-side water pressure in the absence of an open sprinkler.

When a sustained flow of water occurs, such as an activated sprinkler or an open inspector's test connection, the clapper lifts from its closed position; this allows water to enter the intermediate chamber through the holes in the seat ring. The water flows from the intermediate chamber to the alarm line and activates the system's alarms. These alarms continue to sound until the flow of water stops.

Operation with an Installed Retard Chamber

When the Series 751 Alarm Check Valve is installed with the optional retard chamber, a surge of water, greater than what the bypass line can handle, will lift the clapper. When the clapper lifts, water will enter the intermediate chamber through the holes in the seat ring, and it will fill the retard chamber. The water then drains from the retard chamber through a restricted orifice.

A sustained flow of water, as in an open sprinkler, will lift the clapper. Water will flow into the intermediate chamber, and it will fill the retard chamber completely; these events activate the water motor alarm and/or the pressure switch for the electric alarm.

FireLock® Alarm Check Valve

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* FireLock® European Alarm Check Valve Stations

SERIES 751
EUROPEAN TRIM (SEE PAGE 10)



SERIES 751



SERIES 751
EUROPEAN TRIM

MATERIAL SPECIFICATIONS (UL, ULC, FM VNIPO version)

Body: Ductile iron, ASTM A-536 Grade 65-45-12

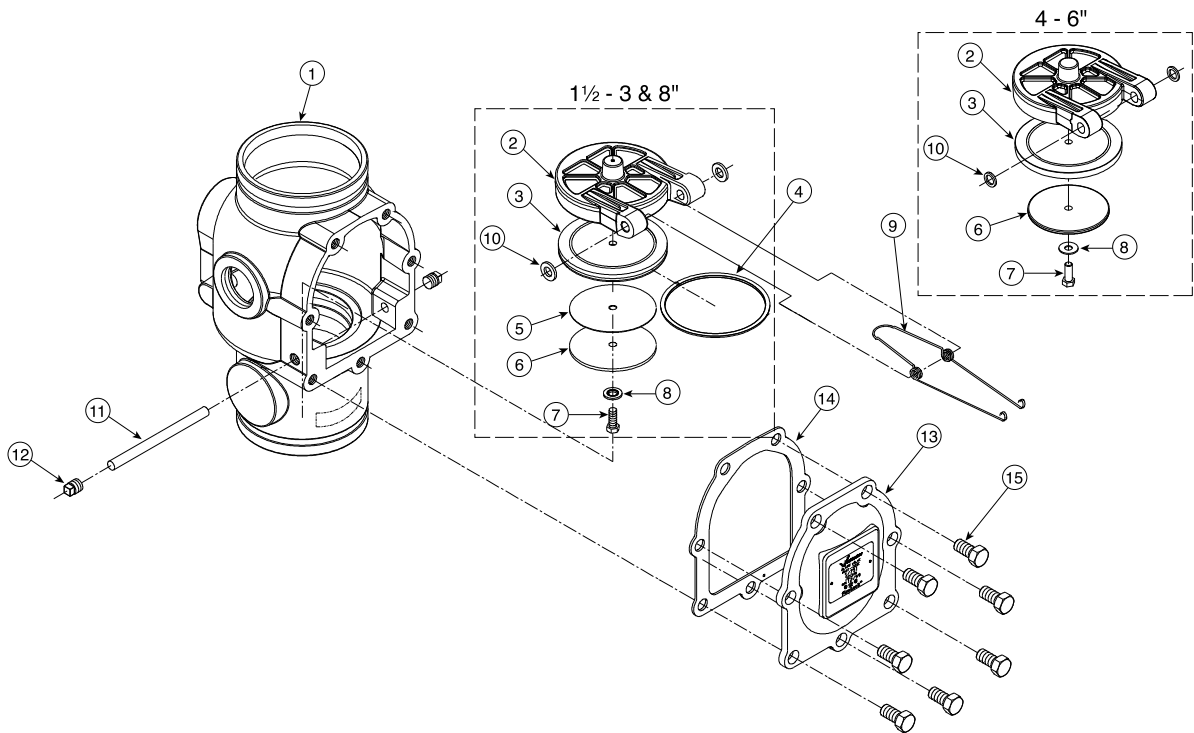
Clapper: Aluminum bronze UNS-C95500

Shaft: Stainless 17-4

Clapper Seal: EPDM, ASTM D2000

Seat O-Rings: Nitrile

Springs: Stainless steel (300 Series)



BILL OF MATERIALS

- | | |
|-----------------------|------------------------------------------|
| 1 Valve Body | 9 Clapper Spring |
| 2 Clapper | 10 Spacers (Qty. 2) |
| 3 Clapper Seal | 11 Clapper Shaft |
| 4 Seal Ring | 12 Clapper Shaft Retaining Plug (Qty. 2) |
| 5 Seal Washer | 13 Cover Plate |
| 6 Seal-Retaining Ring | 14 Cover Plate Gasket |
| 7 Seal-Assembly Bolt | 15 Cover Plate Bolts (Qty. 7) |
| 8 Bolt Seal | |

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***FireLock® European Alarm Check Valve Stations**

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SERIES 751



SERIES 751
EUROPEAN TRIM

TRIM PACKAGES

(UL, ULC, FM VNIPO version)

Trim packages available:

- 1 Vertical trim for the Series 751 Alarm Check Valve.

Trim packages include:

- 1 All required pipe and fittings.
- 2 All standard trim accessories.
- 3 All required gauges.

Optional accessories:

- **Series 752 Retard Chamber** – Required when the Series 751 Alarm Check Valve is installed in a variable pressure installation in order to reduce the possibility of false alarms.
- Series 752V Retard Vent Kit – Required when an electric pressure switch is installed on the retard chamber without a water motor alarm.
- **Series 760 Water Motor Alarm** – The Series 751 Alarm Check Valve is designed to activate a mechanical alarm when a sustained flow of water (such as an open sprinkler) causes the alarm check's clapper to lift from its seat.
- Alarm pressure switch – The Series 751 alarm check valve is designed to allow the installation of pressure switches to activate electric alarms and control panels when a sustained flow of water (such as an open sprinkler) causes the alarm check's clapper to lift from its seat.
- Waterflow Detectors – Waterflow detectors are available for installation on the riser.

Trim kit available for configuration with excess pressure pump (see page 9).

FireLock® Alarm Check Valve

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SERIES 751
EUROPEAN TRIM (SEE PAGE 10)



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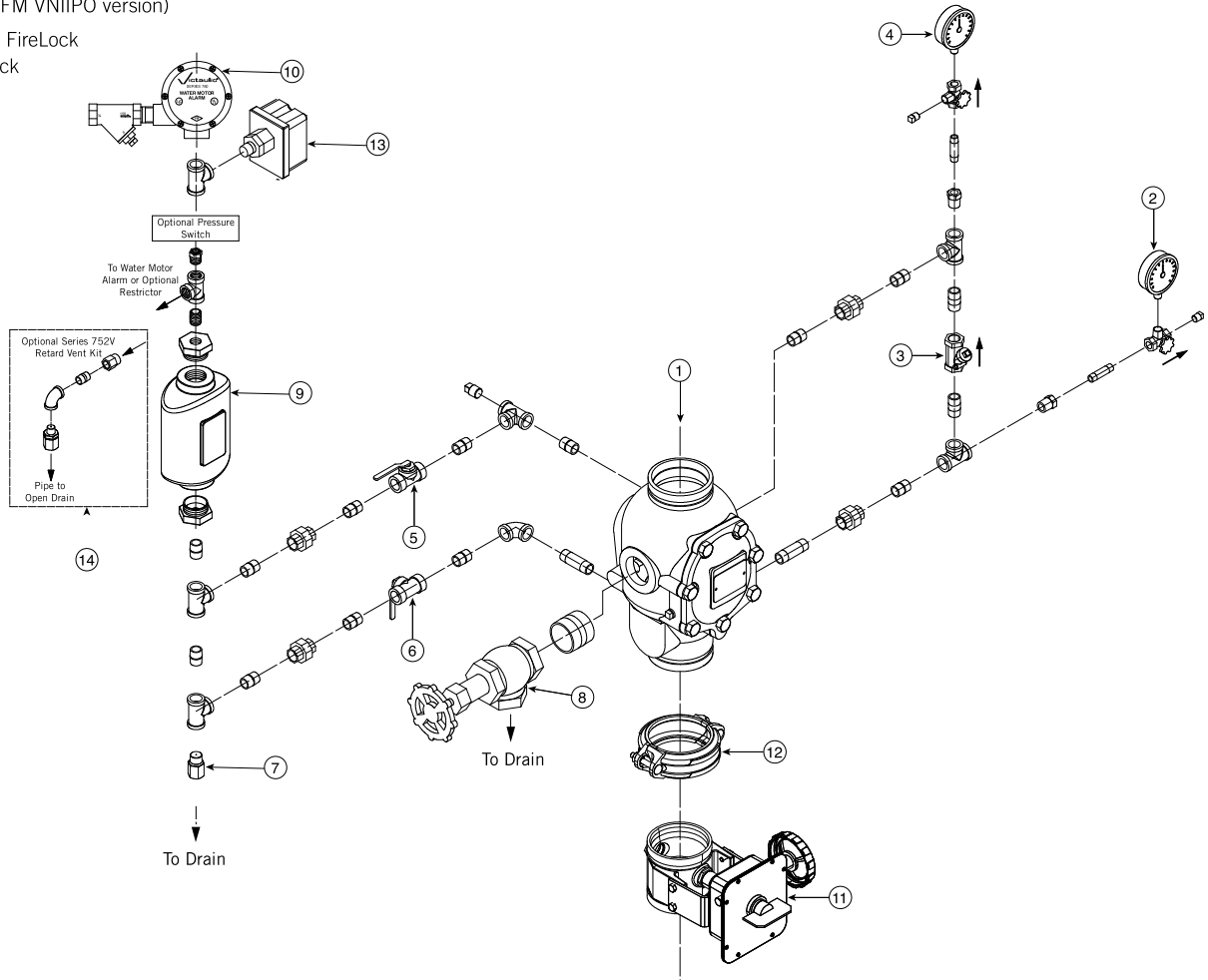


SERIES 751
EUROPEAN TRIM

BILL OF MATERIALS

(UL, ULC, FM VNIPO version)

Series 751 FireLock
Alarm Check
Valve



BILL OF MATERIALS

- | | |
|-----------------------------------------------------|-------------------------------------------------|
| 1 Series 751 FireLock Alarm Check Valve | 8 System's Main Drain Valve |
| 2 Water Supply Pressure Gauge (0-300 psi/-2068 kPa) | 9 Series 752 Retard Chamber (Optional) |
| 3 Swing Check Valve | 10 Series 760 Water Motor Alarm (Optional) |
| 4 System Pressure Gauge (0-300 psi/0-2068 kPa) | 11 Series 705W Butterfly Valve (Optional) |
| 5 Alarm Line Ball Valve (NO) | 12 Style 005 FireLock Rigid Coupling (Optional) |
| 6 Alarm Test Line Ball Valve (NC) | 13 EPS10-1 or EPS10-2 Alarm Pressure Switch |
| 7 Alarm Line Drain Restrictor (1/16") | 14 Series 752V Retard Vent Kit (Optional)* |

NO = Normally Open; NC = Normally Closed

* The Series 752V Retard Vent Kit is required any time an air break is needed above the retard chamber. In addition, the Series 752V Retard Vent Kit is required if multiple valves are tied into one water motor alarm and a check valve isolates each line.

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*FireLock® European Alarm Check Valve Stations

SERIES 751
EUROPEAN TRIM (SEE PAGE 10)



SERIES 751

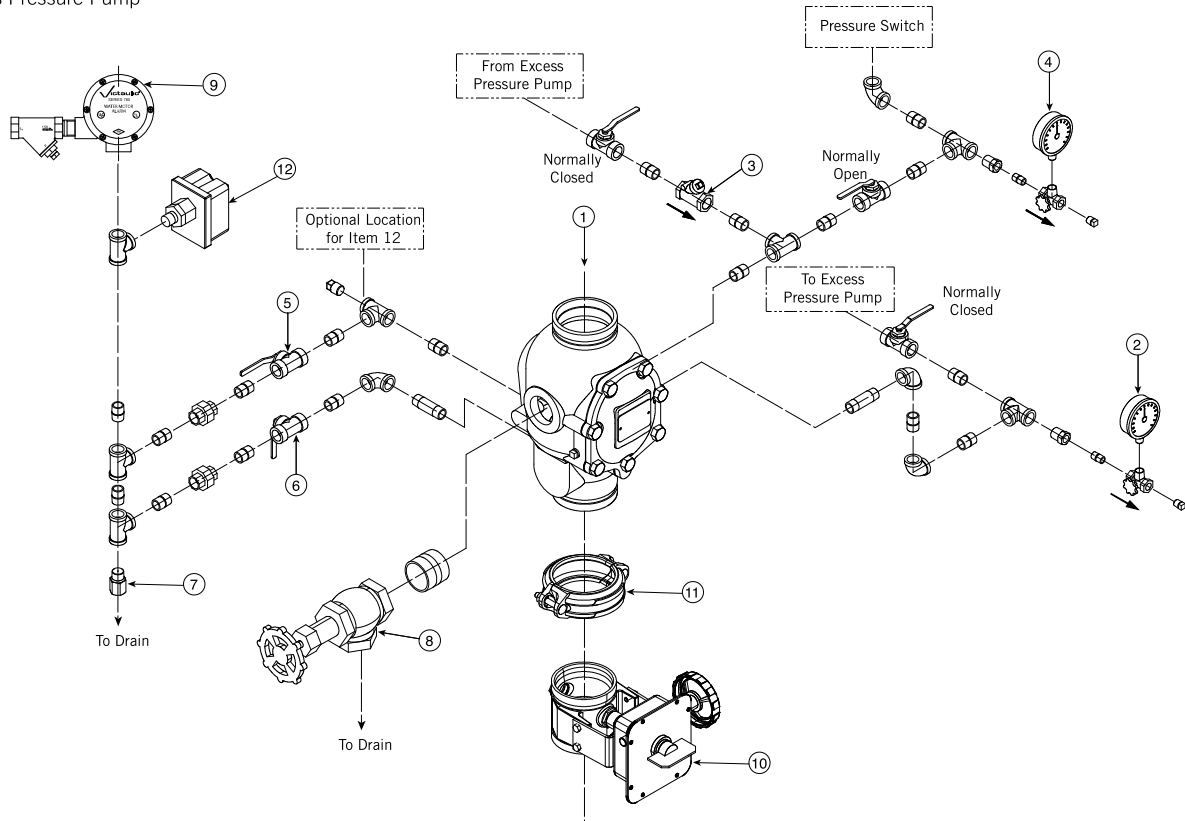


SERIES 751
EUROPEAN TRIM

BILL OF MATERIALS

(UL, ULC, FM VNIPO version)

Series 751 Trim for Use
with Excess Pressure Pump



BILL OF MATERIALS

- | | |
|------------------------------------------------------|------------------------------------------------------|
| 1 Series 751 FireLock Alarm Check Valve | 7 Alarm Line Drain Restrictor (½zn-inch) |
| 2 Water Supply Pressure Gauge (0-300 psi/0-2068 kPa) | 8 System's Main Drain Valve |
| 3 Swing Check Valve | 9 Series 760 Water Motor Alarm (Optional) |
| 4 System Pressure Gauge (0-300 psi/0-2068 kPa) | 10 Series 705W Butterfly Valve (Optional) |
| 5 Alarm Line Ball Valve (NO) | 11 Style 005 FireLock Rigid Coupling (Optional) |
| 6 Alarm Test Line Ball Valve (NC) | 12 PS10-1 or PS10-2 Alarm Pressure Switch (Optional) |

NO = Normally Open; NC = Normally Closed

FireLock® Alarm Check Valve

SERIES 751



* FireLock® European Alarm Check Valve Stations

SERIES 751
EUROPEAN TRIM

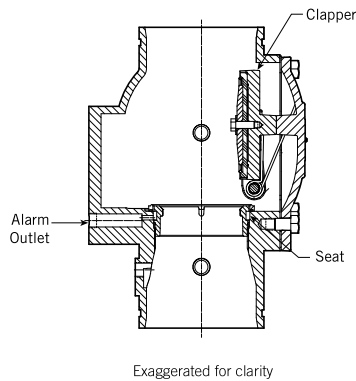


SERIES 751



SERIES 751
EUROPEAN TRIM

FEATURES - EUROPEAN TRIM (VdS, CE, LPCB, CNBOP version)



When a significant flow of water occurs, such as from an open sprinkler, the alarm valve's clapper lifts and allows water to enter the system. Simultaneously, water enters an intermediate chamber, which allows the water to activate an alarm either through a water motor alarm or through a water pressure alarm. These alarms continue to sound until the flow of water is stopped.

The Victaulic Series 751 alarm check valve is made from high strength, low weight ductile iron, and offers easy access to all internal parts. All internal parts are replaceable without having to remove the valve from the installed position. The rubber clapper seal is easily replaced without removing the clapper from the valve. The valve is painted inside and out to increase corrosion resistance.

The valve is to be installed in the vertical orientation only; it can be used in both constant and variable pressure systems when the optional retard chamber is included in the trim piping.

The Series 751 is available grooved X grooved (all sizes). Standard grooved dimensions conform to ANSI/AWWA C606.

The valve is rated to 16Bar and is tested hydrostatically to 32Bar.

Options

The valve can be used in both constant pressure and variable pressure installations with the optional retard chamber. The body is tapped for main drain and all available trim configurations. The trim includes an integral alarm test drain valve, which allows testing of the alarm system without reducing the system pressure.

FireLock® Alarm Check Valve

SERIES 751



*FireLock® European Alarm Check Valve Stations

SERIES 751
EUROPEAN TRIM



SERIES 751



SERIES 751
EUROPEAN TRIM



WARNING

WARNING	
	<ul style="list-style-type: none"> This product must be installed by an experienced, trained installer, in accordance with the instructions provided with each valve. These instructions contain important information. <p>Failure to follow these instructions may result in serious personal injury, property damage, or valve leakage.</p> <p>If you need additional copies of this product literature or the valve installation instructions, or if you have any questions about the safe installation and use of this device, contact Victaulic Company, P.O. Box 31, Easton, PA 18044-0031 USA, Telephone: 001-610-559-3300.</p>

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.



FireLock® Retard Chamber



SEE VICTAULIC PUBLICATION 10.01 FOR DETAILS

SERIES 752

The Series 752 Retard Chamber is a surge tank that reduces the possibility of false alarms due to water supply pressure surges. It has a high-strength, ductile iron body and is designed for use with our Series 751 Alarm Check Valves. The body is painted inside and outside for increased corrosion resistance. The retard chamber is **UL, FM, and ULC rated for 300 psi/2100 kPa service**. The unit has a capacity of approximately one gallon/3.8 liters and weighs (dry) 18 lbs./8.2 kg. It is available with a 1/2"/21.3 mm NPT inlet and 3/4" NPT outlet.



OPERATION

When the clapper of a Victaulic Firelock Valve lifts from the valve seat ring, the inlet to the intermediate chamber is exposed. This allows the water to enter the intermediate chamber and flow through the alarm line to the retard chamber's inlet. As water is flowing into the retard chamber, it is also draining through the restrictor included in the valve trim. If there is a sustained flow of water, such as flow from the inspector's test or an open sprinkler, the water flows into the retard chamber faster than it drains through the restrictor. This allows the water to activate mechanical and/or electrical alarms, as applicable. If the flow of water is not greater than the capacity of the retard chamber and the flow of water from the drain restrictor, the alarms will not be activated.

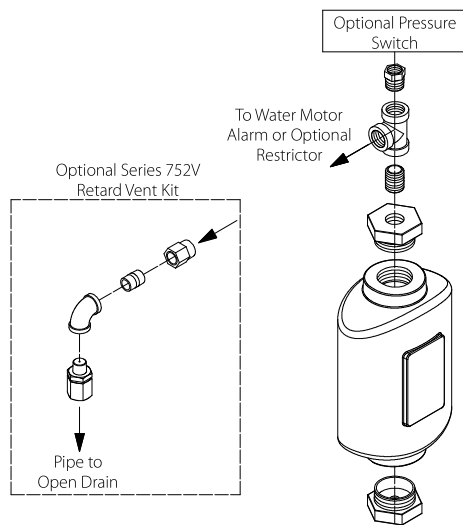
NOTE: When an electric alarm pressure switch is installed on the retard chamber without a water motor alarm, the optional Series 752V Retard Vent Kit must be installed.

INSTALLATION

WARNING



- Always read and understand all installation instructions before attempting assembly of Victaulic piping products. Failure to do so could result in serious personal injury, property damage, joint leakage, or joint separation.



The retard chamber must be installed as shown on the alarm check trim drawings.

If used in a pre-mixed foam system, the trim piping must be black iron with unfinished iron fittings.

NOTE: If an electrical alarm is only being used, the optional vent trim kit should be specified in lieu of plugging the water motor alarm outlet. This will ensure proper draining of the retard chamber

JOB/OWNER

System No. _____
Location _____

CONTRACTOR



Submitted By _____
Date _____



ENGINEER

Spec Sect _____ Para _____
Approved _____
Date _____

FireLock® Retard Chamber


MAINTENANCE



 WARNING	
	<ul style="list-style-type: none"> Piping systems must always be depressurized and drained before attempting disassembly and removal of any Victaulic piping products. Failure to do so could result in serious personal injury, property damage, or valve leakage.

 WARNING	
	<ul style="list-style-type: none"> Any system service that requires taking the control valve or alarm valve out of service may eliminate the fire protection provided by the system. Prior to servicing or testing the system, notify the authority having jurisdiction of the operation being performed. Consideration of a fire patrol should be given in the affected areas. Failure to do so could result in serious personal injury or property damage.

It is the owner's responsibility to maintain the fire protection system in proper operating condition. The Victaulic Retard Chamber and associated valve trim must be kept free of foreign matter, freezing conditions, and any environmental conditions that may impair its operation. The frequency of inspection can vary due to adverse environmental conditions, such as corrosive water, atmosphere, or working conditions around the retard chamber and associated devices. Refer to NFPA instructions and the Victaulic Installation and Maintenance Instructions for suggested maintenance frequencies. In addition, the authority having jurisdiction may have additional test and maintenance requirements.

INSPECTIONS AND TESTS

 CAUTION	
<p>The owner is responsible for maintaining the wet system in proper operating condition. The Victaulic Series 751 Alarm Check Trim must be kept free of foreign matter, corrosive atmospheres, freezing conditions, contaminated water supplies, or any other condition that could impair the proper operation of the valve. It is important that the wet system be inspected and tested regularly. The frequency of inspection should be modified in the presence of any environmental conditions that could degrade the system's operating condition. Minimum requirements for test and inspections are outlined in the National Fire Protection Association pamphlet that describes the care and maintenance of sprinkler systems. Additionally, the authority having jurisdiction may have maintenance, inspection, and test requirements that must be followed.</p>	

 WARNING	
	<ul style="list-style-type: none"> Any system service that requires taking the control valve or alarm valve out of service may eliminate the fire protection provided by the system. Prior to servicing or testing the system, notify the authority having jurisdiction of the operation being performed. Consideration of a fire patrol should be given in the affected areas. Failure to do so could result in serious personal injury or property damage.

After installation, and before alarm system testing, perform the following checks:

- 1 Verify that the retard chamber is installed in accordance with the valve trim drawings and the retard trim drawings.
- 2 The retard chamber must drain to a non pressurized drain. The restrictor should be cleaned annually.

Following each operation and alarm system test:

- 1 Verify that the retard chamber and the alarm test line have completely drained, and that all alarms have been reset
- 2 Refer to the technical bulletins for all alarm devices and perform any required maintenance.



For complete contact information, visit www.victaulic.com

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FireLock® Water Motor Alarm

SERIES 760






 SEE VICTAULIC PUBLICATION 10.01 FOR DETAILS

The Series 760 FireLock Water Motor Alarm is a mechanical, water-powered device signaling the flow of water in an automatic sprinkler system. The unit is usually installed on a wall with the motor inside the building and the gong outside for maximum audibility. A 100 mesh strainer with 3/4" NPT threaded end connection is provided for compliance with NFPA 13 requirements.

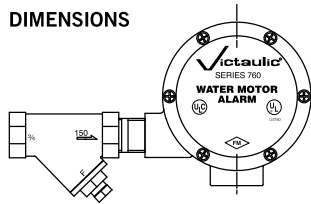
Unless otherwise ordered, the wall setup will be furnished. This will fit wall thicknesses from 2 – 13'51 – 330 mm. If thicker, specify at the time of order. A riser mounting kit is available that will fit pipe sizes from 2 1/2 – 8'65 – 200 mm inclusive, in vertical or horizontal position.

The water motor gong and mechanism are made of aluminum, stainless steel and other non corrosive materials to prevent rust and staining. Red enamel is standard finish for the gong shell.

NOTE: The VdS/CE Listed water motor alarm is provided with ISO 7-1 threads (BSP) and maintains the UL/FM Listings.



DIMENSIONS



Nominal Size	Dimensions – Inches/mm										Approx. Wgt. Each
	A	B	C	D	E	F	G	H	J	K	
Inches	9.19	6.87	5.23	2.32	2.90	1.73	2.79	4.17	9.02	4.51	Lbs.
mm	233	175	133	59	74	44	71	106	229	115	kg
3/4											6.7
											3.0

JOB/OWNER

System No. _____
 Location _____

CONTRACTOR

Submitted By _____
 Date _____

ENGINEER

Spec Sect _____ Para _____
 Approved _____
 Date _____

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REV_E



FireLock® Water Motor Alarm

SERIES 760

OPERATION

For proper operation of this device, the total length of alarm line piping should not exceed 75 feet/23m. The water motor should not be located more than 20 feet/6 m above the sprinkler control valve. Alarm line piping from the retard chamber exit to the water motor must be galvanized and at least ¾"/20 mm in size. If pressure is low or if longer runs of piping are necessary, larger size piping shall be used.

Not more than three sprinkler systems shall be connected to one water motor alarm and the systems controlled by the valves should be in the same fire area. Check valves shall be installed in the lines from each valve to ensure the proper operation of the water motor gong.

The ¾"/20 mm strainer provided should be installed in the alarm prior to the water motor alarm.

Piping shall be pitched so that after operation the water will drain back to the valve and drain through a corrosion resistant orifice not larger than ⅛"/3 mm. Drains shall be conducted to a place where there is no possibility of damage to either persons or property when alarm is operating. Drain pipes shall be so arranged as not to expose any part of the sprinkler system to frost. Wherever possible, drains should be located in a heated space.

INSTALLATION

For Installation Instructions, refer to the I-760 Water Motor Alarm.

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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VPLX.EX5193 - Valves, Alarm

Valves, Alarm

[See General Information for Valves, Alarm](#)

VICTAULIC CO

EX5193

4901 KESSLERSVILLE RD
EASTON, PA 18040-6714 USA

Model 751, 1-1/2, 2, 2-1/2, 3, 4, 6 in., 76.1 mm and 165 mm sizes for vertical installation, may be provided with Model 752 retarding chamber and Model 760 water motor gong, maximum pressure 300 psi.

Model 751, 8 in. size for vertical installation, may be provided with Model 752 retarding chamber, Model 760 water motor gong, maximum pressure 232 psi.

Last Updated on 2018-11-14

The appearance of a company's name or product in this database does not in itself assure that products so identified have been manufactured under UL's Follow-Up Service. Only those products bearing the UL Mark should be considered to be Certified and covered under UL's Follow-Up Service. Always look for the Mark on the product.

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Waterflow Alarm Valves

Waterflow alarm valves (alarm check valves) are installed in either vertical or horizontal positions in wetpipe sprinkler systems to sound a fire alarm gong when a flow of water from the system equals or exceeds that of a single sprinkler. They are designed for use with hydraulic or electric gongs or both.

There are two designs, the differential type and the pilot valve type. The differential type has a rubber-faced clapper with an annular groove in the seat; the pilot valve type has a metal-faced clapper with a pilot valve attached to the clapper arm.

A retard chamber, which minimizes false alarms due to surges and fluctuations in water supply pressure, may be supplied with the alarm valve. If a retard chamber is supplied, *only the listed chamber for a specific manufacturer and valve model shall be used*. Alarm valves are FM Approved with specific trim, and no substitutes or omissions in part or in full are allowed.

Alarms are tested by flowing water through the system test pipe. Pilot valves may be field-adjusted to assure alarm reliability. Unless otherwise noted in the listing, these valves have 175 psi (1205 kPa) rated working pressure.

Series 751 FireLock

Product Specification

Model No	Description	Valve Size		Rated Working Pressure		Remarks
		in	(mm)	psi	(kPa)	
Series 751 FireLock	Alarm Check Valve, Grooved Ends	1 1/2, 2, 2 1/2, 3, 4, 6	(40, 50, 65, 80, 100, 150, 76.1, 165.1)	300	(2065)	a, b, c
Series 751 FireLock	Alarm Check Valve, Flanged by Grooved	4, 6	(100, 150)	300	(2065)	a, b, c
Series 751 FireLock	Alarm Check Valve, Grooved Ends	8	(200)	232	(1595)	a, b, c
Series 751 FireLock	Alarm Check Valve, Flanged by Grooved	8	(200)	232	(1595)	a, b, c

Remarks :

- a. Resilient seat.
- b. Available with Series 752 retard chamber.
- c. Suitable for vertical installation.

Company Name:	Victaulic Company
Company Address:	4901 Kesslersville Rd, Easton, Pennsylvania 18040, USA
Company Website:	http://victaulic.com
New/Updated Product Listing:	No
Listing Country:	United States of America
Certification Type:	FM Approved
Class of Work:	1041-Alarm Check Valves