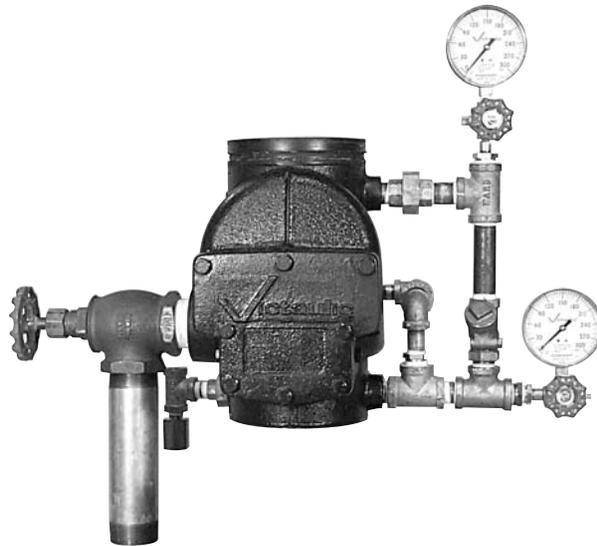


FireLock® Alarm Check Valve

SERIES 759

HANG THESE INSTRUCTIONS ON THE INSTALLED VALVE FOR EASY FUTURE REFERENCE



WARNING 

 WARNING	
	<ul style="list-style-type: none"> • Always read and understand all installation instructions before attempting to install any Victaulic piping products. • Always wear safety glasses and foot protection. • Failure to follow instructions and warnings can result in serious personal injury, property damage, and/or valve failure. <p>If you need additional copies of this manual, or if you have any questions about the safe operation of this valve, contact Victaulic Company, P.O. Box 31, Easton, PA 18044-0031, USA, Telephone: 001-610-559-3300.</p>

FireLock® Alarm Check Valve

SERIES 759

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HAZARD IDENTIFICATION



Definitions for identifying the various hazard levels are provided below. When you see this symbol, be alert to the possibility of personal injury. Carefully read and fully understand the message that follows.

WARNING

- The use of the word “WARNING” identifies the presence of hazards or unsafe practices that could result in death or serious personal injury if instructions, including recommended precautions, are not followed.

CAUTION

- The use of the word “CAUTION” identifies possible hazards or unsafe practices that could result in personal injury and product or property damage if instructions, including recommended precautions, are not followed.

NOTICE

- The use of the word “NOTICE” identifies special instructions that are important but not related to hazards.

FireLock® Alarm Check Valve

SERIES 759

INSTALLER SAFETY INSTRUCTIONS

⚠ WARNING



- An experienced, trained installer must install this product in accordance with all instructions. These instructions contain important information.
- Depressurize and drain the piping system before attempting to install, remove, adjust, or maintain any Victaulic piping products.



Failure to follow these instructions can cause product failure, resulting in serious personal injury and/or property damage.

If you need additional copies of this literature, or if you have any questions about the safe installation and use of this valve, contact Victaulic Company, P.O. Box 31, Easton, PA 18044-0031 USA, Telephone: 001-610-559-3300.

GENERAL PRECAUTIONS

1. **Read and understand all instructions and refer to the trim diagrams before proceeding with the installation, maintenance, and testing of this Victaulic Series 751 FireLock Alarm Check Valve.**
2. **Inspect the shipment.** Make sure all components are included in the shipment and that all necessary tools are available for installation.
3. **Use only recommended accessories.** Accessories and equipment that are not approved for use with this alarm check valve may cause improper system operation.
4. **Wear safety glasses, hardhat, foot protection, and hearing protection.** Wear hearing protection if you are exposed to long periods of noisy job-site operations.
5. **Prevent back injury.** Larger and pre-trimmed valves are heavy and require more than one person or mechanical lifting equipment to position and install the assembly. Always practice proper lifting techniques.
6. **Avoid using electrically powered tools in dangerous environments.** When using electrically powered tools for installation, make sure the area is moisture-free. Keep the work area well lit, and allow enough space to accommodate proper installation of the valve, trim, and accessories.
7. **Watch for pinch points.** Do not place fingers under the valve body where they could be pinched by the weight of the valve. Use caution around spring-loaded components (i.e. clapper assembly).
8. **Keep work areas clean.** Cluttered areas, benches, and slippery floors can create hazardous working conditions.
9. **PROTECT THE SYSTEM FROM FREEZING CONDITIONS. THE VALVE AND SUPPLY PIPING MUST BE PROTECTED FROM FREEZING TEMPERATURES AND MECHANICAL DAMAGE.**

MAINTENANCE AND TESTING PRECAUTIONS

1. **Notify the authority having jurisdiction.** Always notify the authority having jurisdiction before performing any maintenance that eliminates the fire protection provided by the system.
2. **Follow national requirements and/or requirements of the local authority having jurisdiction for system testing and inspection schedules.** The building owner or their representative is responsible for inspecting the system in accordance with current national requirements or in accordance with the requirements of the local authority having jurisdiction (whichever is more stringent).
3. **Depressurize and drain the system completely before performing any maintenance.** Water under pressure can cause the cover plate to blow off during removal if the system is not depressurized and drained completely.
4. **Protect the valve from freezing temperatures, foreign matter, and corrosive atmospheres.** Any condition that might degrade the system or affect system performance must be avoided.

FireLock[®] Alarm Check Valve

SERIES 759

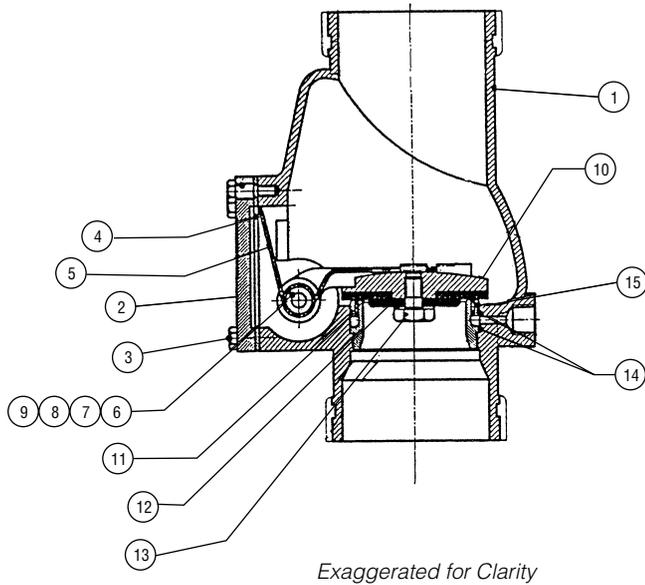
INTRODUCTION

The following instructions are a guide for proper installation of Victaulic Series 759 FireLock Alarm Check Valves. These instructions involve pipe that is properly prepared and grooved in accordance with Victaulic specifications.

NOTICE

- Drawings and/or pictures in this manual may be exaggerated for clarity.
- This product and this installation, maintenance, and testing manual contain trademarks, copyrights, and/or patented features that are the exclusive property of Victaulic.

SECTION VIEW DRAWING

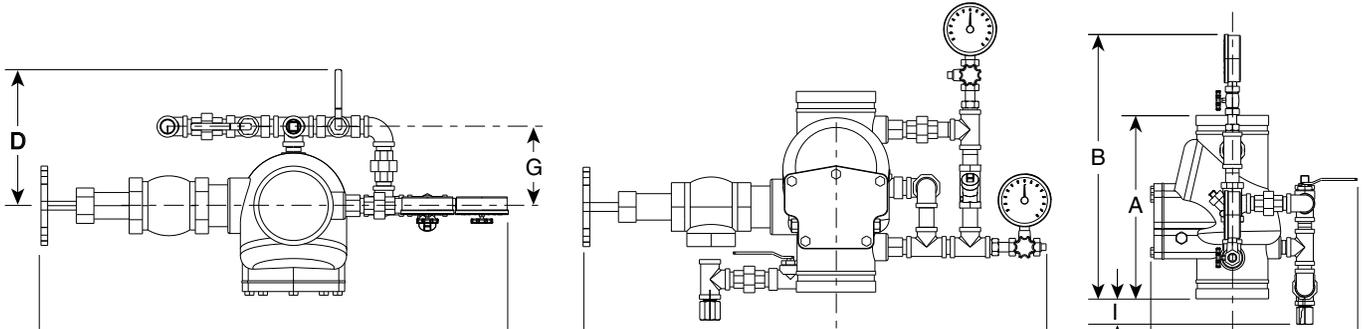


No.	Part Name	Quantity		
		3" Valve/ 88,9 mm	4" Valve/ 114,3 mm	6 & 8" Valves/ 168,3 & 219,1 mm
1	Valve Body	1	1	1
2	Cover Plate	1	1	1
3	Cover Plate Bolt	5	5	5
4	Cover Plate Gasket	1	1	1
5	Clapper Spring	2-Part	1-Part	2-Part
6	Shaft Retaining Plug	2	2	2
7	Clapper Arm Washer	2	2	2
8	Clapper Shaft	1	1	1
9	Spring Bushing	2	1	0
10	Clapper	1	1	1
11	Clapper Seal	1	1	1
12	Brass Clapper Retaining Ring	1	1	1
13	Bolt/Washer	1	1	1
14	Seat O-Ring	1	1	1
15	Seat Ring	1	1	1

FireLock® Alarm Check Valve

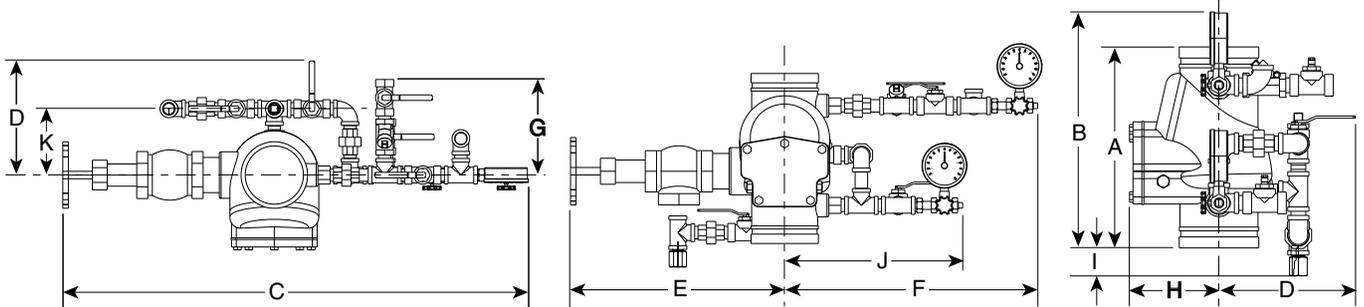
SERIES 759

DIMENSIONS FOR STANDARD TRIM



VALVE SIZE		Dimensions inches/mm										Aprx. Weight Each lbs/kg		
Nominal inches	Actual Outside Dia.in./mm	A	B	C	D	E	F	G	H	I	Without Trim	With Trim		
GROOVED X GROOVED														
3	3.500	10.50	17.00	24.00	9.00	11.00	13.00	5.00	5.00	2.00	17.0	29.0		
88,9	88,9	266,7	431,8	609,6	228,6	279,4	330,2	127,0	127,0	50,8	7,7	13,2		
76,1 mm	3.000	10.50	17.00	24.00	9.00	11.00	13.00	5.00	5.00	2.00	17.0	29.0		
	76,1	266,7	431,8	609,6	228,6	279,4	330,2	127,0	127,0	50,8	7,7	13,2		
4	4.500	11.37	17.00	27.00	9.00	15.00	12.00	5.00	6.00	2.00	30.0	40.0		
114,3	114,3	288,5	431,8	685,8	228,6	381,0	304,8	127,0	152,4	50,8	13,6	18,1		
6	6.625	14.10	19.00	30.00	10.00	16.00	14.00	6.00	7.00	1.00	63.0	73.0		
168,3	168,3	358,1	482,6	762,0	254,0	406,4	355,6	152,4	177,8	25,4	28,6	34,0		
165,1 mm	6.500	14.10	19.00	30.00	10.00	16.00	14.00	6.00	7.00	1.00	63.0	73.0		
	165,1	358,1	482,6	762,0	254,0	406,4	355,6	152,4	177,8	25,4	28,6	34,0		
8	8.625	17.00	22.00	32.00	10.00	16.00	16.00	7.00	8.00	N/A	94.0	109.0		
219,1	219,1	431,8	558,8	812,8	254,0	406,4	406,4	177,8	203,2		42,6	49,4		

DIMENSIONS FOR EXCESS PRESSURE PUMP TRIM



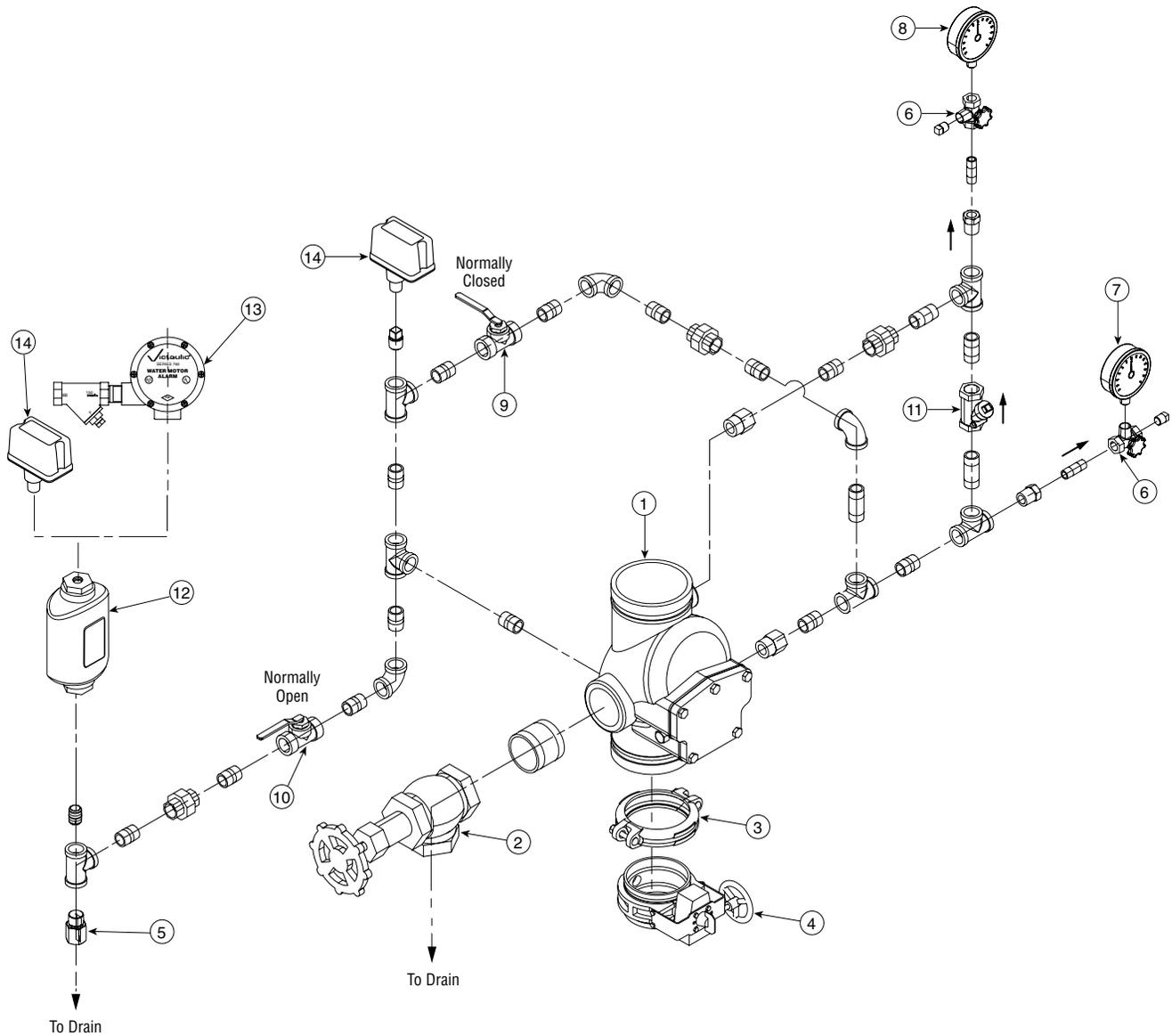
VALVE SIZE		Dimensions inches/mm											Aprx. Weight Each lbs/kg	
Nominal inches	Actual Outside Dia.in./mm	A	B	C	D	E	F	G	H	I	J	K	Without Trim	With Trim
GROOVED X GROOVED														
3	3.500	10.50	12.00	28.00	8.00	12.00	17.00	7.00	5.00	2.00	13.00	5.00	17.0	29.0
88,9	88,9	266,7	304,8	711,2	203,2	304,8	431,8	177,8	127,0	50,8	330,2	127,0	7,7	13,2
76,1 mm	3.000	10.50	12.00	28.00	8.00	12.00	17.00	7.00	5.00	2.00	13.00	5.00	17.0	29.0
	76,1	266,7	304,8	711,2	203,2	304,8	431,8	177,8	127,0	50,8	330,2	127,0	7,7	13,2
4	4.500	11.37	14.00	32.00	9.00	15.00	17.00	7.00	6.00	2.00	12.00	5.00	30.0	40.0
114,3	114,3	288,8	355,6	812,8	228,6	381,0	431,8	177,8	152,4	50,8	304,8	127,0	13,6	18,1
6	6.625	14.10	16.00	36.00	10.00	16.00	20.00	9.00	7.00	1.00	14.00	6.00	63.0	73.0
168,3	168,3	358,1	406,4	914,4	254,0	406,4	508,0	228,6	177,8	25,4	355,6	152,4	28,6	34,0
165,1 mm	6.500	14.10	16.00	36.00	10.00	16.00	20.00	9.00	7.00	1.00	14.00	6.00	63.0	73.0
	165,1	358,1	406,4	914,4	254,0	406,4	508,0	228,6	177,8	25,4	355,6	152,4	28,6	34,0
8	8.625	17.00	18.00	38.00	10.00	17.00	21.00	9.00	8.00	0.50	15.00	7.00	94.0	109.0
219,1	219,1	431,8	457,2	965,2	254,0	431,8	533,4	228,6	203,2	12,7	381,0	177,8	42,6	49,4

FireLock® Alarm Check Valve

SERIES 759

EXPLODED VIEW DRAWING – TRIM COMPONENTS

SERIES 759 ALARM CHECK VALVE
(OPTIONAL ACCESSORIES ALSO SHOWN)
GROOVED X GROOVED



BILL OF MATERIALS

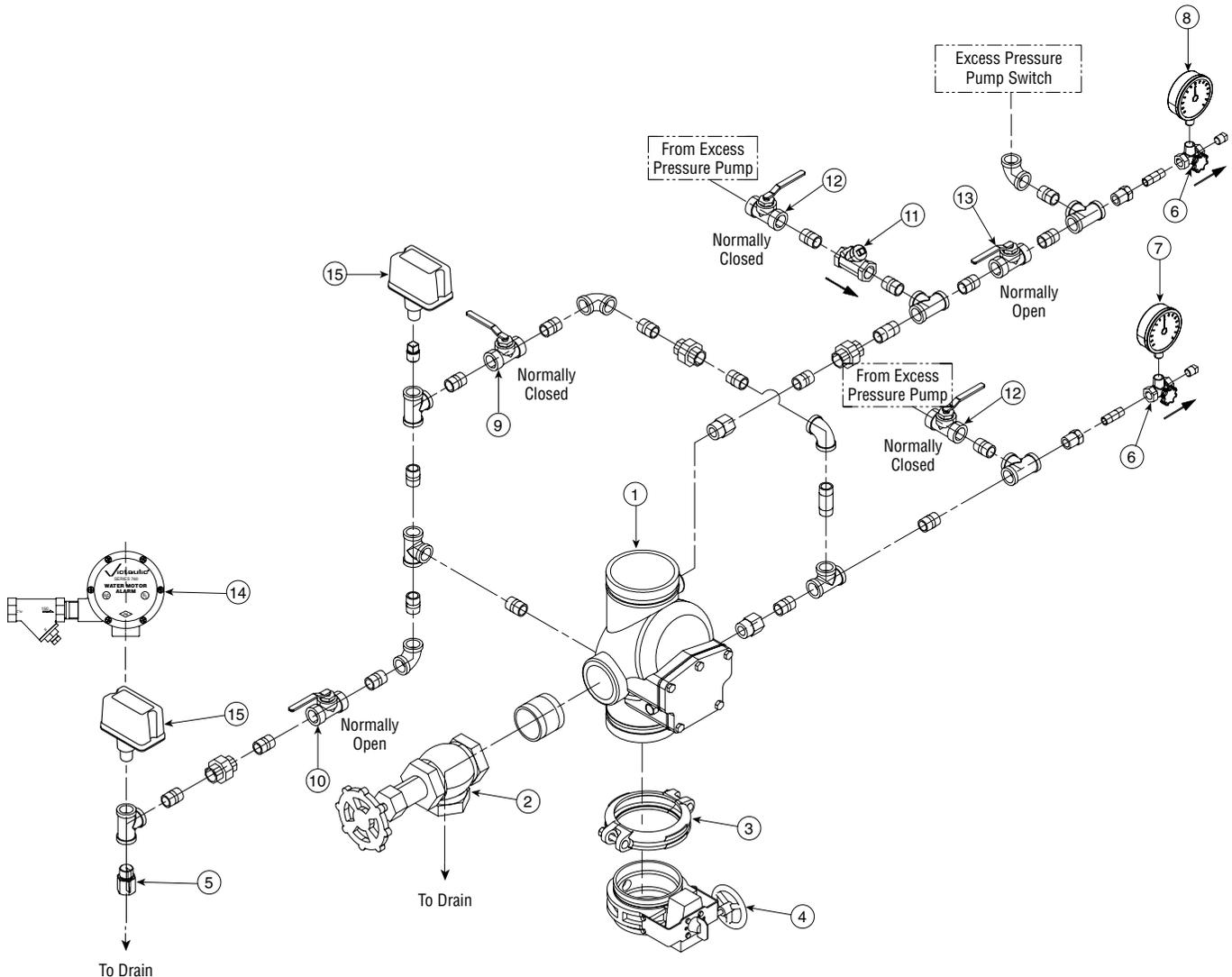
1	Series 759 FireLock Alarm Check Valve	8	System Pressure Gauge (0-300 psi/0-2068 kPa)
2	System Main Drain Valve	9	Alarm Test Ball Valve (NC)
3	Style 005 FireLock Rigid Coupling (Optional)	10	Alarm Line Ball Valve (NO)
4	Series 705W Butterfly Valve (Optional)	11	Bypass Swing Check Valve
5	Alarm Line Drain Restrictor (1/16")	12	Series 752 Retard Chamber (Optional)
6	Gauge Valve	13	Series 760 Water Motor Alarm (Optional)
7	Water Supply Pressure Gauge (0-300 psi/0-2068 kPa)	14	EPS-10 Alarm Pressure Switch (Optional)

FireLock® Alarm Check Valve

SERIES 759

EXPLODED VIEW DRAWING – TRIM COMPONENTS

SERIES 759 ALARM CHECK VALVE WITH EXCESS PRESSURE PUMP TRIM
(OPTIONAL ACCESSORIES ALSO SHOWN)
GROOVED X GROOVED



BILL OF MATERIALS

1	Series 759 FireLock Alarm Check Valve	9	Alarm Test Ball Valve (NC)
2	System Main Drain Valve	10	Alarm Line Ball Valve (NO)
3	Style 005 FireLock Rigid Coupling (Optional)	11	Bypass Swing Check Valve
4	Series 705W Butterfly Valve (Optional)	12	Excess Pressure Pump Isolation Ball Valve
5	Alarm Line Drain Restrictor (1/16")	13	Pressure Switch Isolation Ball Valve
6	Gauge Valve	14	Series 760 Water Motor Alarm (Optional)
7	Water Supply Pressure Gauge (0-300 psi/0-2068 kPa)	15	EPS-10 Alarm Pressure Switch (Optional)
8	System Pressure Gauge (0-300 psi/0-2068 kPa)		

FireLock® Alarm Check Valve

SERIES 759

INSTALLATION

For proper operation and approval, you must install the valve in accordance with the trim diagrams for the Series 759 Alarm Check Valve. Victaulic provides specific trim drawings with the valve or trim kit for vertical and horizontal installations. Install the Victaulic Series 752 Retard Chamber in variable pressure installations.

The Series 759 Alarm Check Valve must NOT be located in an area that is subject to freezing temperatures. In addition, the valve must NOT be located in an area where physical damage may occur. It is the owner's responsibility to confirm material compatibility of the Series 759 Alarm Check Valve, trim, and associated accessories when a corrosive atmosphere or contaminated water is present.

Before installing the valve, flush the water supply piping thoroughly to ensure that no foreign objects are present.

All sizes of the Victaulic Series 759 Alarm Check Valves can be installed vertically. Only 4"/114,3 mm and 6"/168,3 mm valves can be installed horizontally. When installed vertically, the arrow on the body must point upward, and the arrow on the swing check valve in the bypass line must point upward.

When installed horizontally, the valve's cover must face upward, and the arrow on the swing check valve in the bypass line must match the direction of the water flow.

1. Confirm that all required drawings and information for the installation of the valve are available.
2. Apply a small amount of Teflon* pipe tape to the external threads of all pipe connections. Be careful not to get any tape, compound, or other foreign substances into the valve or the inside of any nipples or valve openings.
3. Install the Victaulic Series 759 Alarm Check Valve in accordance with the applicable trim drawings. Make sure the trim drawing matches the system's requirements (i.e. vertical trim for a vertical installation and retard chamber for variable pressure installation).

*Teflon is a registered trademark of I.E. Dupont de Nemours.

HYDROSTATIC TESTING

The Victaulic Series 759 Alarm Check Valve is manufactured and listed to a maximum working pressure of 175 psi/1205 kPa. The valve is factory tested to 350 psi/2413 kPa. It can be hydrostatically tested at 175 psi/1205 kPa and/or 50 psi/345 kPa above the normal water supply pressure for two hours for acceptance by the authority having jurisdiction.

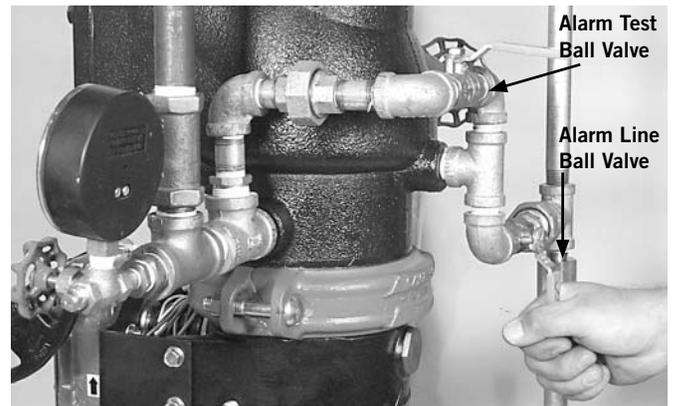
WARNING	
	<ul style="list-style-type: none"> • If air testing is required, do not exceed 40-psi/275-kPa air pressure. Failure to follow this instruction could result in serious personal injury, property damage, and/or valve leakage.

PLACING THE SYSTEM IN SERVICE

When the wet system is ready to be placed in service, verify that all equipment is heated and protected properly from freezing temperatures and physical damage.

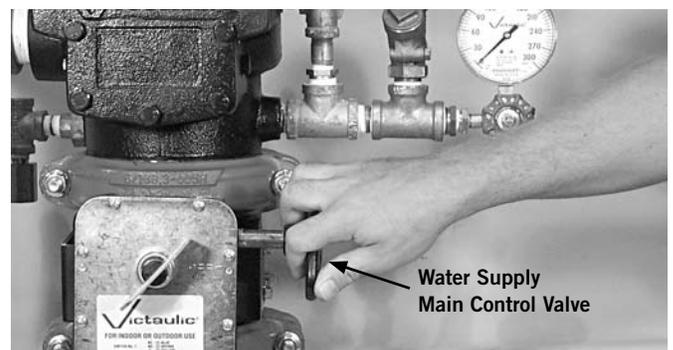
1. Confirm that the system's main drain is shut and that the system is free of leaks.
2. Open the inspector's test valve and any auxiliary drains provided for the removal of air from the system.

CAUTION
<ul style="list-style-type: none"> • For proper operation of alarms in a wet system, it is important to ensure that all air is removed from the system. Auxiliary vents may be required in order to free trapped air in the system. <p>Failure to follow this instruction could result in personal injury, property damage, and/or valve leakage.</p>



3. Close the alarm line ball valve to prevent the alarms from operating while the system is filling. Alarms and electric panels, controlled by an alarm flow switch installed on the riser, cannot be interrupted. NOTE: If there is a potential for alarm activation, notify the local fire companies that the system is being serviced.

CAUTION
<ul style="list-style-type: none"> • Take precautions when opening the water supply's main control valve, since water will flow from all open system valves. <p>Failure to do so could result in personal injury and property damage.</p>

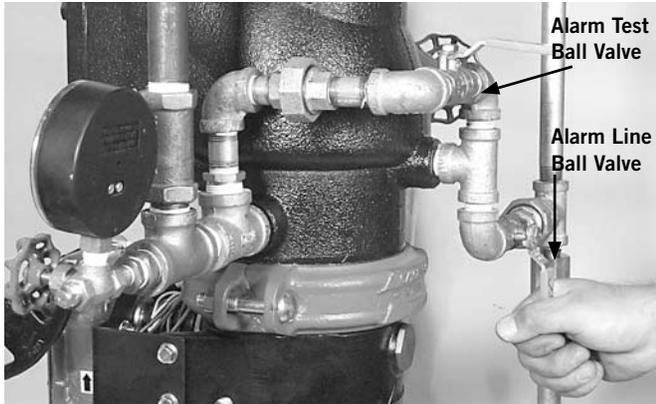


4. Open the water supply's main control valve slowly.

FireLock® Alarm Check Valve

SERIES 759

5. Allow the system to fill with water completely. Allow water to flow from the inspector's test station (and any other system vents) until all trapped air is removed from the system.
6. Once a steady flow of water from the open system drains occurs, and all air exhausts from the system, close the inspector's test connection and any auxiliary drains in the system.
7. Record the pressures of the system. The upper system gauge should be equal to or greater than the lower water supply gauge.



8. Open the alarm line ball valve. Confirm that all trim valves are in their normal operating positions

⚠ WARNING	
	<ul style="list-style-type: none"> • The alarm line ball valve must be open to allow the alarms to activate. <p>Failure to follow this instruction could result in serious personal injury and/or property damage.</p>

9. Notify the local authority having jurisdiction, remote station alarm monitors, and those in the affected area that the valve and system are in service.

⚠ CAUTION
<p>The owner is responsible for maintaining the alarm check system in proper operating condition.</p> <ul style="list-style-type: none"> • It is important that you inspect and test this alarm check system regularly, according to proper procedures. • The Victaulic Series 759 Alarm Check Valve and trim must not be exposed to foreign matter, corrosive atmospheres, freezing conditions, contaminated water supplies, or any other condition that could impair the proper operation of the system. • You must modify the frequency of inspections in the presence of any environmental conditions that could degrade the system's operation. • The National Fire Protection Association Pamphlet, which describes the care and maintenance of sprinkler systems, outlines the minimum requirements for tests and inspections. • In addition, the local authority having jurisdiction may have maintenance, inspection, and test requirements that you must follow. Failure to follow these instructions could result in serious personal injury, property damage, and/or system failure.

⚠ WARNING	
	<ul style="list-style-type: none"> • Any servicing that requires taking the valve out of service may eliminate the fire protection provided. Before servicing or testing the system, notify the local authority having jurisdiction about the service being performed. Consider a fire patrol for the affected areas during system servicing. <p>Failure to follow these instructions could result in serious personal injury and/or property damage.</p>

MONTHLY INSPECTION

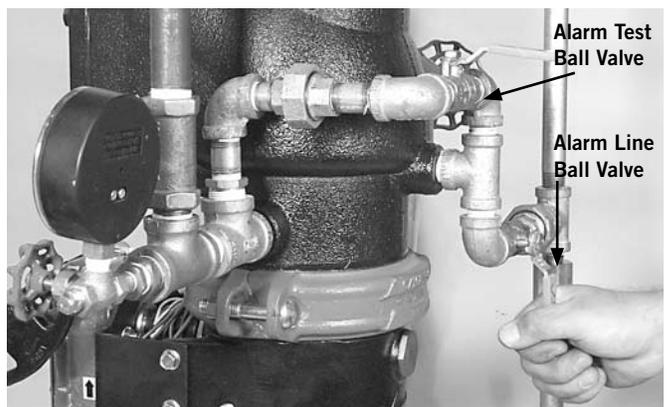
It is recommended that a visual inspection be performed on the alarm check valve and trim on a monthly basis.

1. Record the system and water supply pressures. It is normal for the system's water pressure to be higher than the water supply's pressure because of the check valve trapping pressure surges above the clapper. Confirm that the water supply's pressure is in the range of normal pressures observed in the area. A significant loss in the supply's pressure could indicate an adverse condition in the water supply.
2. Check for mechanical damage or corrosion. If found, replace the affected parts.
3. Confirm that the valve and trim are not subject to freezing conditions.
4. If the valve is installed in a variable pressure system, confirm that no excessive leakage is occurring from the orifice. It is normal for some leakage, since pressure surges lift the clapper and allow water into the intermediate chamber.
5. Verify that all valves are in their normal operating positions.

MAIN DRAIN TEST

Perform the main drain test on a frequency required by the current NFPA-25 code. The authority having jurisdiction in your area may require that you perform these tests on a more frequent basis. Verify these requirements by contacting the authority having jurisdiction in your affected area.

1. Inform the authority having jurisdiction, remote station alarm monitors, and anyone in the affected area that the test will be performed.
2. Perform and record the monthly visual inspection.
3. Confirm that sufficient drainage is in place for a fullflow drain test.
4. Record the water supply's pressure and the system's pressure.



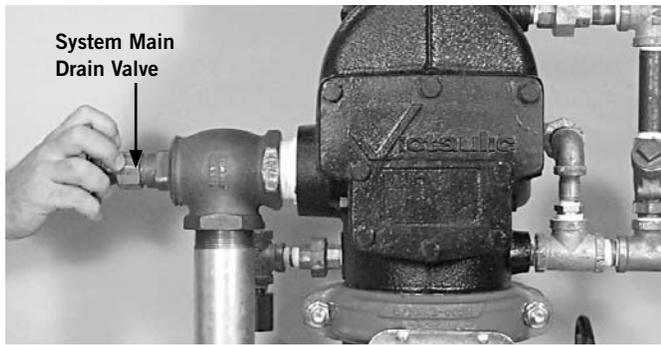
5. Close the alarm line ball valve.

FireLock® Alarm Check Valve

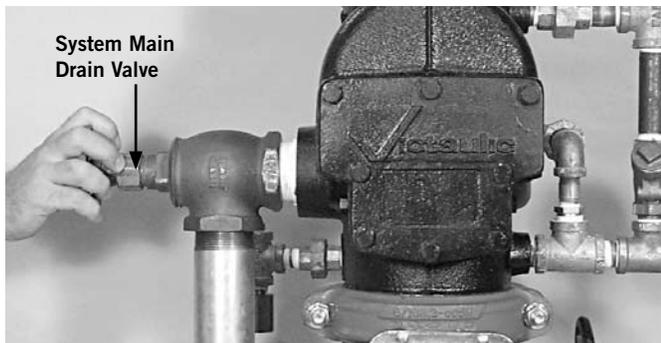
SERIES 759

⚠ CAUTION

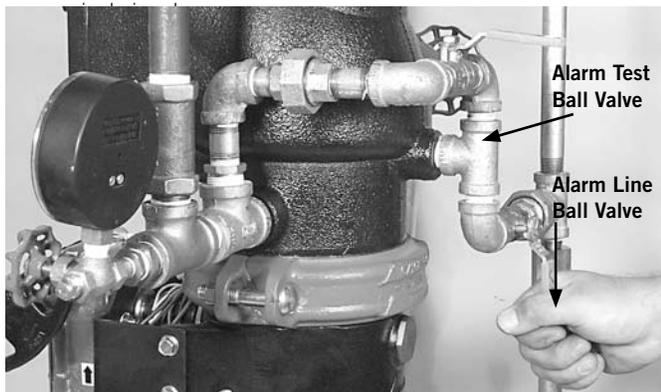
- If you do not want to activate the alarms, close the alarm line ball valve. Failure to do so may cause an unnecessary disruption of activities, a false fire alarm, or other conditions.



6. Open the system's main drain valve fully.
7. While the system's main drain valve is fully open, record the water supply's pressure as the residual pressure.
8. Compare the residual water supply pressure reading taken above to the readings taken in previous main drain tests. If there is degradation in the residual water supply pressure readings, restore the proper water supply.



9. Close the system's main drain valve slowly.
10. Record the water pressures established after closing the system's



11. Open the alarm line ball valve, and make sure that all valves are in their proper operating positions.

⚠ WARNING

- The alarm line ball valve must be open to allow the alarms to activate. Failure to follow this instruction could result in serious personal injury and/or property damage.

12. Notify the authority having jurisdiction, remote station alarm monitors, and those in the affected area that the valve is back in service. Provide test results, as required, to the authority having jurisdiction.

FIVE-YEAR INTERNAL INSPECTION

⚠ WARNING

- Any system service that requires taking this alarm check valve out of service may eliminate the fire protection provided. Before servicing or testing the system, notify the local authority having jurisdiction about the service being performed. Consider a fire patrol for the affected areas during system servicing. Failure to follow these instructions could result in serious personal injury and/or property damage.

Inspection of all internal parts is recommended every five years, or sooner, if results of tests and inspections indicate the necessity for more frequent internal inspections.

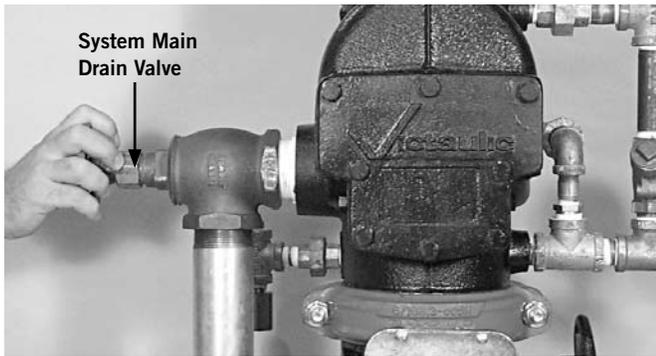
1. Inform the authority having jurisdiction, remote station alarm monitors, and anyone in the affected area that the test will be performed.



2. Close the water supply's main control valve to take the system out of service.

FireLock® Alarm Check Valve

SERIES 759



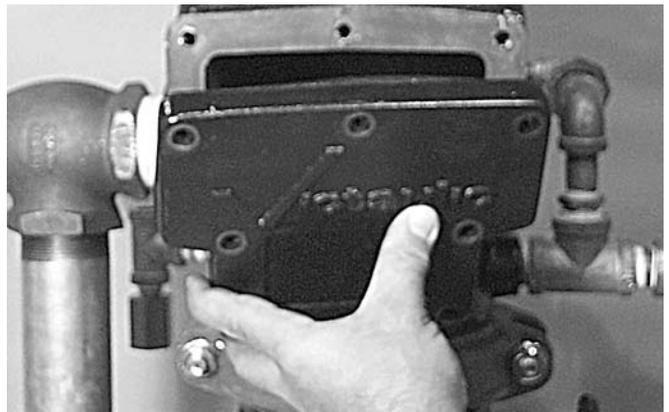
- Open the system's main drain valve, and allow the system to drain. It may be necessary to open the inspector's test station and auxiliary vents to drain the system

⚠ WARNING

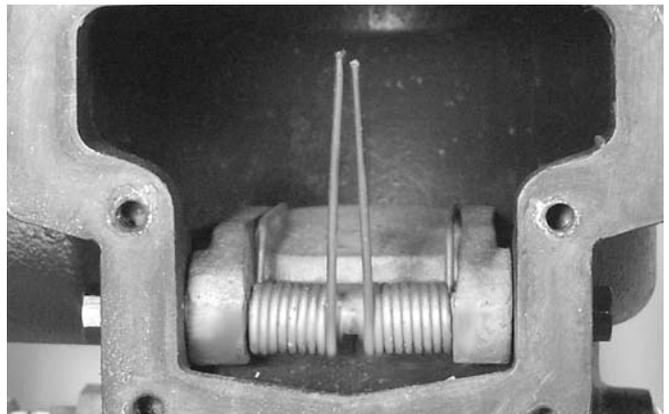
- Always depressurize the valve completely before loosening the cover plate bolts. The cover will blow off if these bolts are loosened while the valve is pressurized. Failure to follow this instruction could result in serious personal injury, property damage, and/or product damage.



- After all pressure is released from the system, loosen all bolts that attach the cover plate to the valve. NOTE: Do not remove any bolts until all bolts are loosened.



- Remove the bolts and the cover plate.



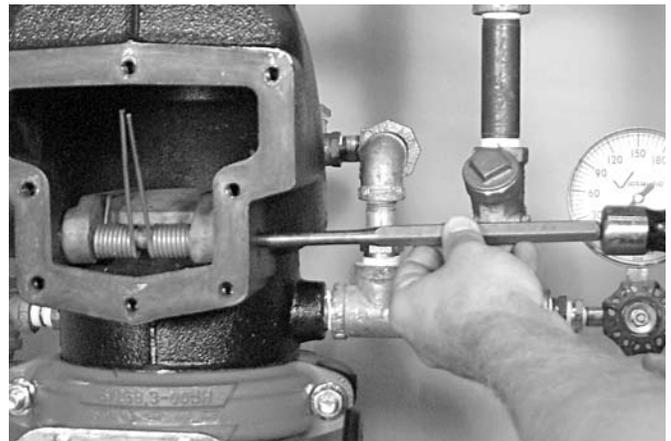
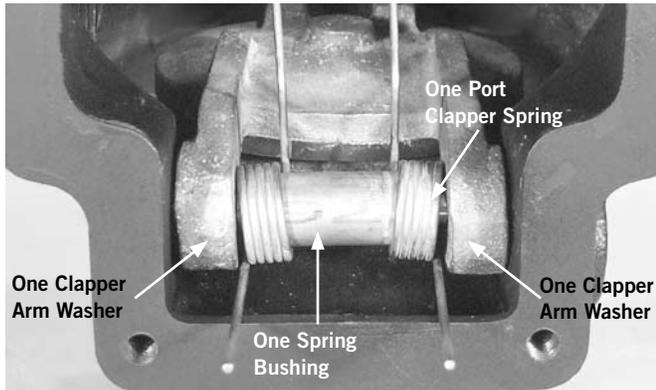
- Inspect the clapper and spring. Wipe away any contaminants, dirt, and mineral deposits. DO NOT use solvents or abrasives. NOTE: the spring may be in one or two pieces, depending on valve size. Refer to the following chart for details.
- Before proceeding with steps 8 – 12, become familiar with the valve's internal components (called out in the following table).

VALVE SIZE Inches (mm)	Type of Clapper Spring	No. of Spring Bushings	No. of Clapper Washers
3 80	2-Part	2	2
4 100	1-Part	1	2
6 150	2-Part	None	2
8 200	2-Part	None	2

FireLock® Alarm Check Valve

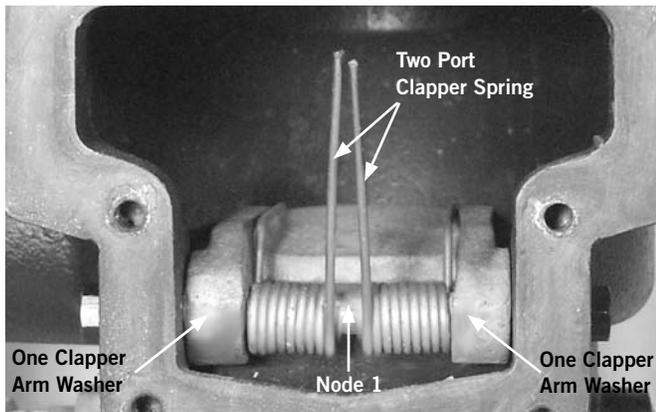
SERIES 759

4- Inch (100mm) Valve

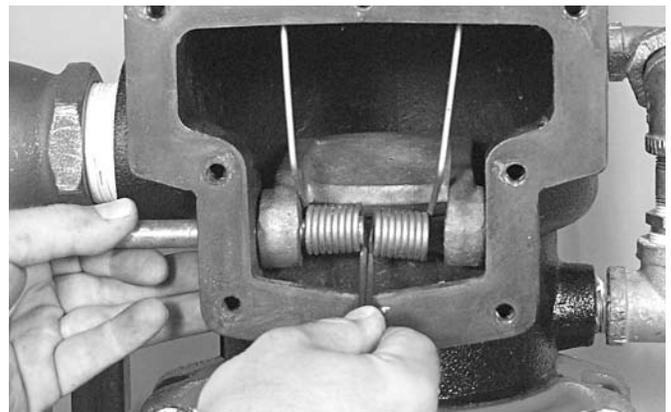


9. Push the shaft out of the valve body.

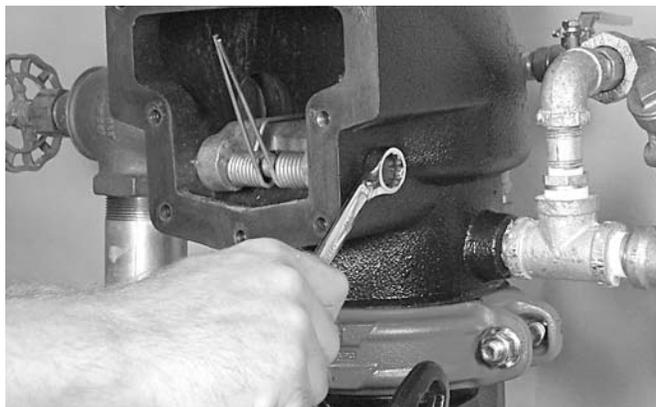
All Other Size Valves



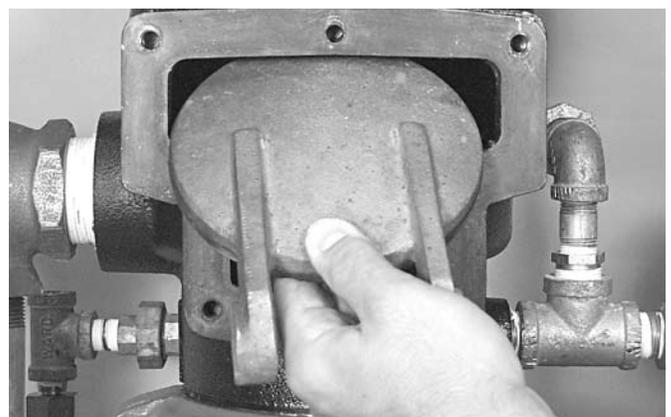
Note 1: 3" (80 mm) valves would have two spring bushings installed on the shaft.



10. Remove the shaft, spring, and bushing (if included) from the valve. NOTE: Be careful not to lose the two, thin clapper arm washers. These washers need to be reinstalled later.



8. Remove the two shaft retaining plugs from the valve body.



11. Remove the clapper from the valve body, and inspect the seal.

12. Place the system back in service, according to the instructions on page 7.

FireLock® Alarm Check Valve

SERIES 759

MAINTENANCE

⚠ WARNING	
	<ul style="list-style-type: none"> Always depressurize the valve completely before loosening the cover plate bolts. The cover will blow off if these bolts are loosened while the valve is pressurized. Failure to follow this instruction could result in serious personal injury, property damage, and/or valve leakage.

⚠ WARNING	
	<ul style="list-style-type: none"> Any system service that requires taking this alarm check valve out of service may eliminate the fire protection provided. Before servicing or testing the system, notify the local authority having jurisdiction about the service being performed. Consider a fire patrol for the affected areas during system servicing. Failure to follow these instructions could result in serious personal injury and/or property damage.

REMOVING CLAPPER SEAL

1. Perform steps 1 - 11 of the "Five-Year Internal Inspection" section, starting on page 9.



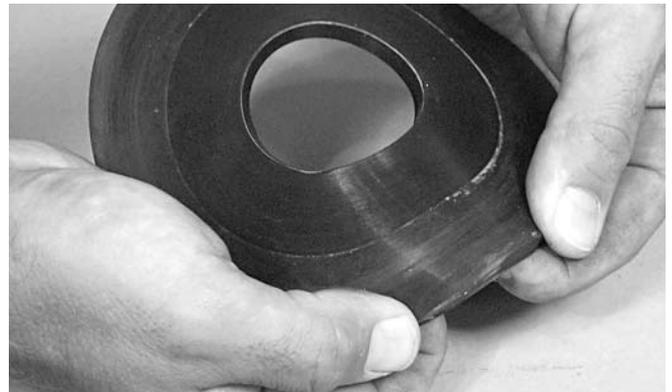
2. Remove the single bolt/washer from the clapper.



3. Remove the brass retaining ring from the clapper.



4. Remove the seal from the clapper



5. Inspect the seal. If it is torn, or if it shows any signs of wear, replace the seal.

ASSEMBLING CLAPPER SEAL



1. Install the seal onto the clapper. Make sure the seal is pushed all the way down.

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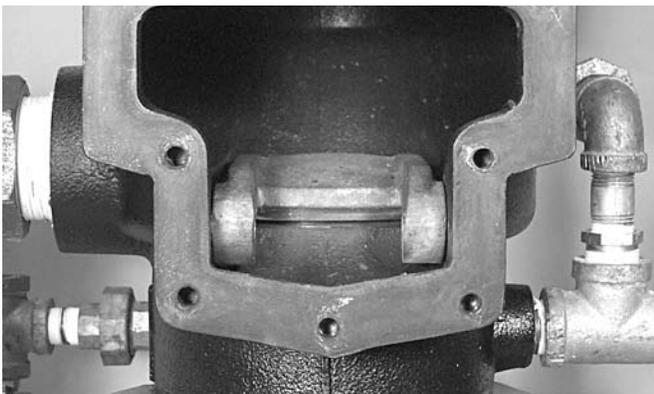


2. Install the brass retaining ring onto the clapper over the rubber seal.

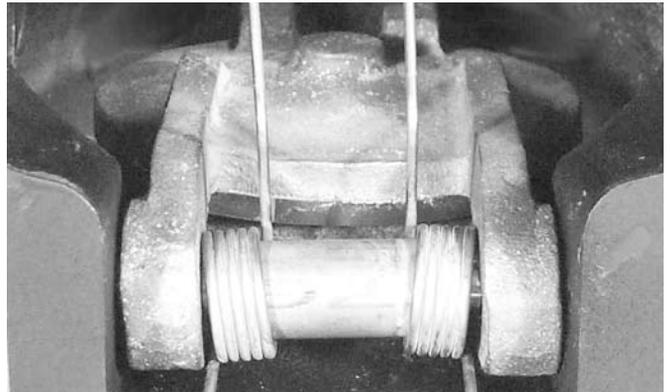


3. Bolt the retaining ring to the clapper with the bolt/washer provided. Tighten the bolt/washer sufficiently, and apply an additional ¼-turn to ensure a proper seal.

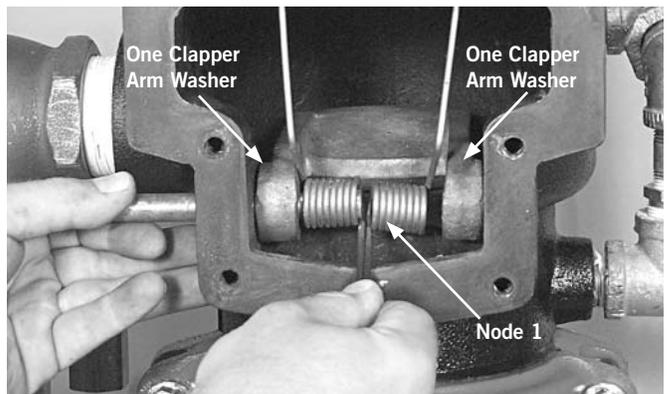
INSTALLING CLAPPER ASSEMBLY INTO BODY OF VALVE



1. Place the clapper on the seat ring with the seal facing down. Make sure the holes in the clapper's arms align with the holes in the body of the valve.

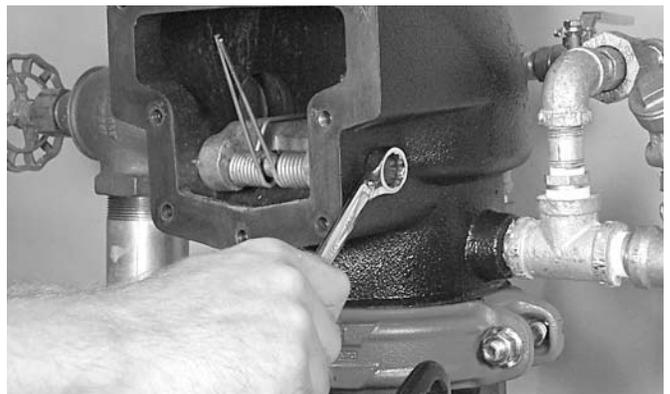


2. For 4-inch/100 mm valves, insert the shaft through both clapper arms/clapper arm washers, the one-part spring, and the spring bushing. All components must be re-installed, as shown in the above photo.



2a. For all other size valves, insert the shaft through both clapper arms/clapper arm washers and the two-part spring. Since these size valves contain two-part springs, make sure the two sections are re-installed, as shown in the above photo.

NOTE 1: 3-inch/80 mm valves must have two spring bushings re-installed on the shaft.



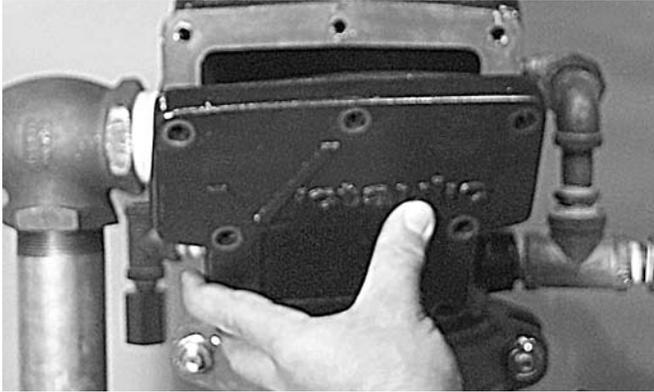
3. Apply dope or tape to the two shaft retaining plugs. Tighten the shaft retaining plugs into the valve body.

FireLock® Alarm Check Valve

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INSTALLING COVER PLATE

1. Verify that the cover gasket is in good condition and replace, if necessary. Align the cover plate gasket with the holes on the cover plate. Insert one bolt through the cover plate and the cover gasket.



2. Align the cover plate to the valve, and insert the cover bolts. Ensure that the spring arms are rotated to their installed position.



3. Tighten all cover bolts alternately and evenly. Tighten the cover bolts to the proper torque per the chart below. DO NOT over-tighten or under-tighten these bolts.

Recommended Cover Bolt Torque

VALVE SIZE Inches (mm)	Torque ft.-lbs (N•m)
3 80	60 81
4 100	100 136
6 150	115 156
8 200	100 136

4. Place the system back in service by following the "Placing the System in Service" section on page 7.

FireLock® European Alarm Check Valve Stations

SERIES 751

Problem	Possible Cause	Solution
The system's water pressure gauge is fluctuating with the supply pressure.	The check valve in the bypass line is installed backward.	Check the orientation of the bypass check valve. The arrow must point from the supply side to the system side.
	Debris is present in the bypass check valve.	Remove the threaded cap to the check valve, and remove any debris. Ensure that the clapper is free to move.
Water is leaking from the intermediate chamber.	Water is getting past the seal.	Check the clapper seal and seat for physical damage. Check for the presence of debris.
The water motor gong is not ringing, or the ringing is weak.	No water is going into the intermediate chamber.	Ensure that the intermediate chamber's holes in the seat ring are free from debris.
	Water from the alarm line could be leaking out of the alarm line of another valve.	Ensure that there are check valves isolating each valve's alarm line.
	The wrong restrictor size is installed in the alarm line.	Confirm that the proper restrictor size is on the alarm line. If not, re-install the proper restrictor size.

WARRANTY

We warrant all products to be free from defects in materials and workmanship under normal conditions of use and service. Our obligation under this warranty is limited to repairing or replacing at our option at our factory any product which shall within one year after delivery to original buyer be returned with transportation charges prepaid, and which our examination shall show to our satisfaction to have been defective.

THIS WARRANTY IS MADE EXPRESSLY IN LIEU OF ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. THE BUYER'S SOLE AND EXCLUSIVE REMEDY SHALL BE FOR THE REPAIR OR REPLACEMENT OF DEFECTIVE PRODUCTS AS PROVIDED HEREIN. THE BUYER AGREES THAT NO OTHER REMEDY (INCLUDING, BUT NOT LIMITED TO, INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR LOST PROFITS, LOST SALES, INJURY TO PERSON OR PROPERTY OR ANY OTHER INCIDENTAL OR CONSEQUENTIAL LOSS) SHALL BE AVAILABLE TO HIM.

Victaulic neither assumes nor authorizes any person to assume for it any other liability in connection with the sale of such products.

This warranty shall not apply to any product which has been subject to misuse, negligence or accident, which has been repaired or altered in any manner outside of Victaulic's factory or which has been used in a manner contrary to Victaulic's instructions or recommendations. Victaulic shall not be responsible for design errors due to inaccurate or incomplete information supplied by Buyer or its representatives.

EFFECTIVE FEBRUARY 5, 2001

This product shall be manufactured by Victaulic Company. 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.



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