

LEFT EQUALS AIR.
RIGHT EQUALS WATER.
NO CONFUSION.



AIR

Charge the system to 13 psi | 90 kPa | 0.9 bar minimum



BALL VALVE (WATER)

Open the charge line ball valve. Allow water to flow through the auto drain tube.



CONTROL VALVE

Slowly open the water supply main control valve until water flows from the open water supply main drain valve. Close the water supply main drain valve.

Note: Please reference the complete installation instructions before operating the valve.

STREAMLINED
SET-UP.
AS EASY AS





Valve shown with Vic-Quick riser.

Certifications/Listings:**FireLock NXT™ Check Device****SERIES 768N Dry System**

[Download publication 31.80](#) for complete information

- For use where piping may freeze such as unheated warehouses, outdoor parking garages or stadiums
- Actuation options: Series 776 low pressure actuator
- Available bare, pretrimmed, as a Vic™-Quick riser or in a Series 745 FireLock™ *Fire-Pac* cabinet
- Sizes from 1½–8" | DN40–DN200
- Pressures up to 300 psi | 2068 kPa | 20 bar



Valve shown with Vic-Quick riser.

Certifications/Listings:**FireLock NXT™ Check Device****SERIES 769N Deluge System**

[Download publication 31.81](#) for complete information

- For use where water curtains and fast water delivery are required such as highly-flammable material storage facilities or airplane hangars
- Actuation options: *FireLock* solenoid actuator, Series 776 low pressure actuator
- Available bare, pretrimmed, as a Vic-Quick riser or in a Series 745 *FireLock Fire-Pac* cabinet
- Sizes from 1½–8" | DN40–DN200
- Pressures up to 300 psi | 2068 kPa | 20 bar



Valve shown with Vic-Quick riser.

Certifications/Listings:**FireLock NXT™ Check Device****SERIES 769N Preaction System**

[Download publication 31.82](#) for complete information

- For use where redundant safeguards against system activation are required such as priceless art storage, libraries or data centers
- Actuation options: *FireLock* solenoid actuator, Series 776 low pressure actuator, Series 767 electric/pneumatic actuator, Series 798 double pneumatic actuator
- Available bare, pretrimmed, as a Vic-Quick riser or in a Series 745 *FireLock Fire-Pac* cabinet
- Sizes from 1½–8" | DN40–DN200
- Pressures up to 300 psi | 2068 kPa | 20 bar



Certifications/Listings:



AutoConvert Assembly

For SERIES 769N Electric Release

[Download publication 30.84](#) for complete information

- In the event of an AC power loss, the AutoConvert module latches from Closed to Open with a quick electrical pulse
- For use with Series 769N electric release valves sizes from 1½–8" | DN40–DN200
- Pressures up to 300 psi | 2068 kPa | 20 bar



Certifications/Listings:



FireLock™ Fire-Pac

SERIES 745

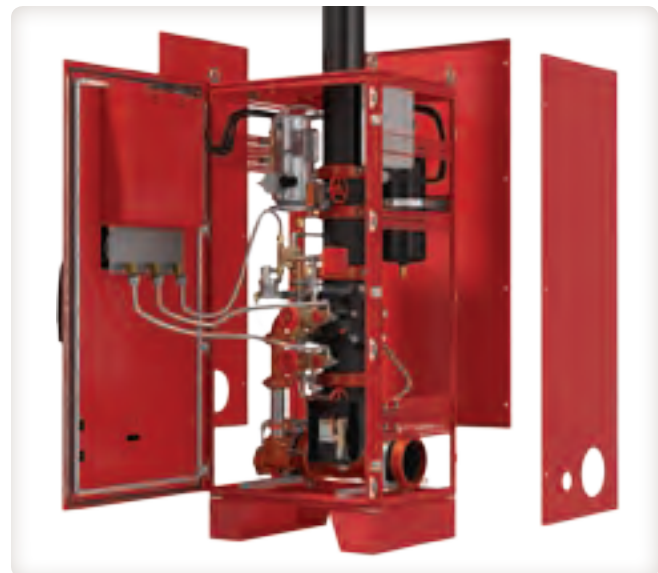
[Download publication 30.23](#) for complete information

- Completely preassembled fire protection valve enclosed in weatherproof cabinet
- Sizes from 1½–8" | DN40–DN200
- Pressures up to 300 psi | 2068 kPa | 20 bar

Customized Solutions

With more options available than ever before each Fire-Pac System is completely unique.

- Weatherproofing to NEMA 4 standards
- Pipe feed and drain can be located on the left, right or bottom panels
- Insulation and heating components available down to a minimum ambient temperature of 20°F | -6°C
- Compressor and nitrogen fill kit options
- Panel design options now including an addressable panel capable of networking with other intelligent devices
- Special cabinet color option



Devices and Accessories



Certifications/Listings:



FireLock NXT™ Alternate Wet/Dry System Check Valve – Europe Only

SERIES 764

[Download publication 30.83](#) for complete information

- Available bare, pretrimmed, or as a Vic™-Quick riser
- Sizes from 1½–8" | DN40–DN200
- Pressures up to 300 psi | 2068 kPa | 20 bar



Certifications/Listings:



FireLock™ Alarm Check Valve

SERIES 751

[Download publication 30.01](#) for complete information

- Prevents the reverse flow of water from the system piping to the water supply
- Sizes from 1½–8" | DN40–DN200
- Pressures up to 300 psi | 2068 kPa | 21 bar



Certifications/Listings:





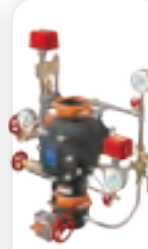


FireLock™ European Alarm Check Valve Station

SERIES 751

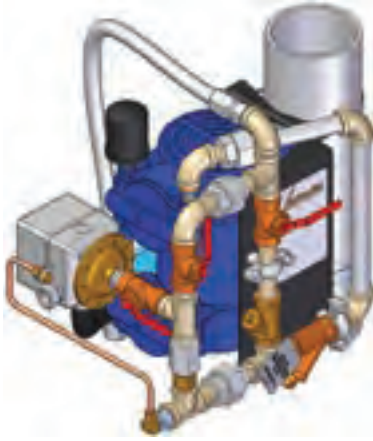
[Download publication 30.01](#) for complete information

- Prevents the reverse flow of water from the system piping to the water supply
- Trim package includes alarm pressure switch and control valve
- Sizes from 1½–8" | DN40–DN200
- Pressures up to 300 psi | 2068 kPa | 21 bar

Accessories Compatibility Chart

					
	Series 768N Dry	Series 769N Deluge	Series 769N Preaction	Series 764 Alternate Wet/Dry	Series 751 Alarm Series 751 European Alarm Check Valve Station
STANDARD					
Series 7C7 Compressor Package	•	•	•	•	
Series 767 Electric/Pneumatic Actuator			•		
Series 776 Low Pressure Actuator	•	•	•	•	
Series 798 Double Pneumatic Actuator			•		
Series 729 Ball Drip Assembly	•	•	•	•	
Series 748 Ball Check Valve	•	•	•	•	
Series 749 Auto Drain Assembly	•	•	•	•	
Series 755 Manual Pull Station		•	•		
OPTIONAL					
Series 746 Dry Accelerator	•	•	•	•	
Series 746-LPA Dry Accelerator	•	•	•	•	
Series 752 FireLock™ Retard Chamber					•
Series 757/757P Air Maintenance Trim Assembly	•	•	•	•	
Series 75-D Water Column Component Drain Kit	•	•	•	•	
Series 75-B Supplemental Alarm Kit	•	•	•	•	
Series 760 Water Motor Alarm	•	•	•	•	•
Drain Connection Kit	•	•	•	•	•
AutoConvert Trim Assembly			•		
ELECTRICAL					
Alarm Pressure Switches	•	•	•	•	•
Supervisory Switches	•	•	•	•	

Devices and Accessories



Air Maintenance/Compressor Assembly

SERIES 7C7

[Download publication 30.22](#) for complete information

- Features riser mounted compressor, Series 757P air maintenance device, and flexible hoses for installation

Certifications/Listings:



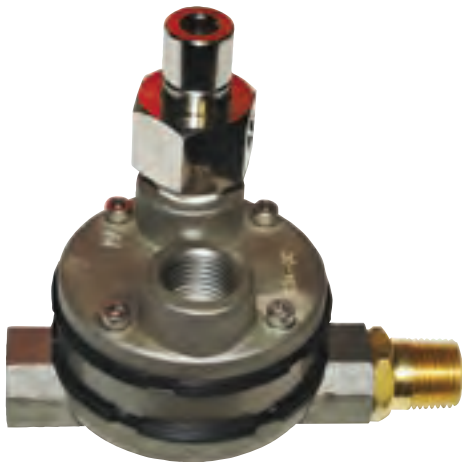
Electric/Pneumatic Double Interlock Actuator

SERIES 767

[Download publication 30.62](#) for complete information

- Designed for a single trip point for the pneumatic event, regardless of water supply pressure, and an integral electric solenoid
- Uses a ½" | DN15 NPT connection, wired for 24 VDC
- Pressures up to 300 psi | 2068 kPa | 21 bar

Certifications/Listings:



Low Pressure Actuator

SERIES 776

[Download publication 30.65](#) for complete information

- Designed for a single trip point for the pneumatic event, regardless of water supply pressure
- Comes standard on Series 768N dry, Series 769N deluge and Series 769N preaction FireLock NXT™ valves
- Pressures up to 300 psi | 2068 kPa | 21 bar

Certifications/Listings:





Double Pneumatic Actuator

SERIES 798

[Download publication 30.61](#) for complete information

- Designed to actuate at 7 psi | 48 kPa | 0.5 bar for both the pilot and sprinkler system
- Pressures up to 300 psi | 2068 kPa | 21 bar

Certifications/Listings:



FireLock™ Ball Check Valve

SERIES 748

[Download publication 30.44](#) for complete information

- Remains fully open allowing free flow of air until the sprinkler control valve is activated, at which time the flow of water entering the sprinkler system will close the ball check keeping the air supply trim from flooding
- Pressures up to 300 psi | 2068 kPa | 21 bar

Certifications/Listings:



FireLock™ Auto Drain

SERIES 749

[Download publication 30.43](#) for complete information

- Drains the diaphragm charge line, preventing the diaphragm from repressurizing
- Must manually reset after decay
- Pressures up to 300 psi | 2068 kPa | 21 bar

Certifications/Listings:



Devices and Accessories



Manual Release Panel

SERIES 755

[Download publication 30.41](#) for complete information

- Operates as a manually operated actuating device
- Contains a special quarter turn ball valve mounted in a painted steel enclosure
- Pressures up to 300 psi | 2068 kPa | 21 bar



FireLock™ Dry Accelerator

SERIES 746-LPA

[Download publication 30.64](#) for complete information

- Designed for Series 768N dry and Series 769N preaction valves in order to speed response time and/or accommodate larger system
- System air pressures ranging from 13 psi | 90 kPa | 0.9 bar to 18 psi | 124 kPa | 1.2 bar
- Pressures up to 300 psi | 2068 kPa | 21 bar

Certifications/Listings:



FireLock™ Retard Chamber

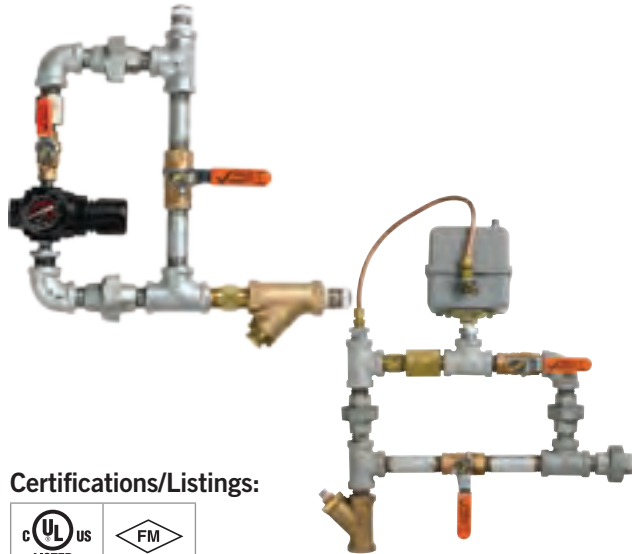
SERIES 752

[Download publication 30.31](#) for complete information

- Reduces the possibility of false alarms due to water supply pressure surges
- Designed for use with Victaulic® Series 751 alarm check valves
- Pressures up to 300 psi | 2068 kPa | 21 bar

Certifications/Listings:





FireLock™ Air Maintenance Trim Assembly

SERIES 757 and 757P

[Download publication 30.35](#) and [30.36](#) for complete information

- Reduces high pressure supply air through the integral regulator to recommended air pressure based on the water supply pressure
- Series 757P designed with pressure switch for use with small compressors which do not have pressure control switches

Certifications/Listings:



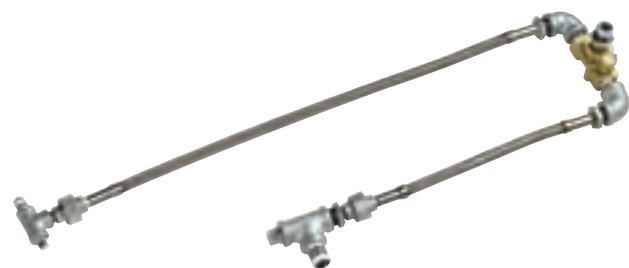
Water Column Drain Kit

SERIES 75D

[Download publication 30.34](#) for complete information

- Automatically drains residual water in the riser above the clapper
- No operator maintenance or resetting is required
- Pressures up to 175 psi | 1207 kPa | 12 bar

Certifications/Listings:



Supplemental Alarm Kit

SERIES 75B

[Download publication 30.33](#) for complete information

- Ensures that the mechanical alarm continues even if the clapper closes and water fills above it in the system
- Pressures up to 300 psi | 2068 kPa | 21 bar

Certifications/Listings:



Devices and Accessories



Water Motor Alarm

SERIES 760

[Download publication 30.32](#) for complete information

- Mechanical, water-powered device signaling the flow of water in an automatic sprinkler system
- For wall thicknesses 2–13" | 51–330 mm
- Red enamel is standard finish for the gong shell

Certifications/Listings:
















Hydraulic Control Valves

Through our exclusive partnership with Bermad, Victaulic now offers innovative solutions for the control and management of fire protection systems specifically as it relates to water supply and pressure control.

Designing fire protection systems for high-rise and high-demand buildings presents a unique set of challenges, all of which can be addressed by leveraging Bermad's product and technical expertise along with Victaulic's extensive system knowledge and support.

- Regional availability, contact [Victaulic](#) for details



Level Control Valves	page	Pressure Control Valves	page
 Modulating Horizontal Level Control Valve (Series 866-460)	48	 Pressure Reducing Control Valve (Series 867-42T)	49
 Bi-Level Electronic Level Control Valve (Series 866-465)	48	 Pressure Reducing Control Valve (Series 867-7UL)	50
 Bi-level Vertical Float Level Control Valve (Series 866-466)	48	 Pressure Reducing Control Valve (Series 867-400)	50
 Modulating Altitude Pilot Level Control Valve (Series 866-480)	49	 Pressure Relief Control Valve (Series 867-43T)	50
 Three-way Altitude Pilot Level Control Valve (Series 866-482)	49	 Pressure Relief Control Valve (Series 867-7UF)	51
		 Pressure Relief Control Valve with Electric Override (Series 867-759)	51
		 Pressure Relief Control Valve (Series 867-4UF)	51
		 Pressure Relief Control Valve with Electric Override (Series 867-459)	52



Modulating Horizontal Level Control Valve

SERIES 866-460

[Download publication 30.94](#) for complete information

- Hydraulically controlled, diaphragm actuated valve that controls reservoir filling to maintain constant water level, regardless of fluctuating demand
- Globe valve body
- Sizes 1½–12" | DN40–DN300
- Pressures up to 250 psi | 1724 kPa | 17 bar



Bi-Level Electronic Level Control Valve

SERIES 866-465

[Download publication 30.94](#) for complete information

- Hydraulically controlled, diaphragm actuated valve that controls reservoir filling in response to electric float switch signals
- Globe valve body
- Sizes 1½–12" | DN40–DN300
- Pressures up to 250 psi | 1724 kPa | 17 bar

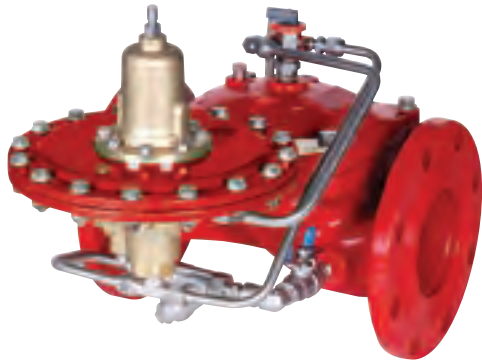


Bi-level Vertical Float Level Control Valve

SERIES 866-466

[Download publication 30.94](#) for complete information

- Hydraulically controlled, diaphragm actuated control valve that controls reservoir filling in response to a hydraulic on-off float pressure commands
- Globe valve body
- Sizes 1½–12" | DN40–DN300
- Pressures up to 250 psi | 1724 kPa | 17 bar

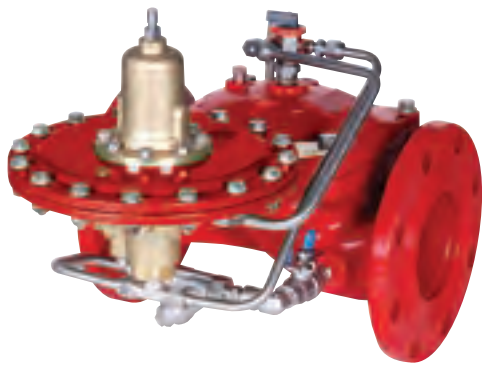


Modulating Altitude Pilot Level Control Valve

SERIES 866-480

[Download publication 30.94](#) for complete information

- Hydraulically controlled, diaphragm actuated valve that shuts off at a pre-set reservoir full level and opens in response to a sensor in the altitude pilot mounted on the main valve
- Globe valve body
- Sizes 1½–12" | DN40–DN300
- Pressures up to 250 psi | 1724 kPa | 17 bar



Three-way Altitude Pilot Level Control Valve

SERIES 866-482

[Download publication 30.94](#) for complete information

- Hydraulically controlled, diaphragm actuated valve that shuts off at a pre-set reservoir full level and opens in response to a sensor in the 3-way altitude pilot mounted on the main valve
- Globe valve body
- Sizes 1½–12" | DN40–DN300
- Pressures up to 250 psi | 1724 kPa | 17 bar



Pressure Reducing Control Valve

SERIES 867-42T

[Download publication 30.93](#) for complete information

- Low-flow stability without an anti-cavitation accessory
- Fully supported and reinforced diaphragm
- No obstructions in the flow path
- "Y" Pattern globe valve body
- Sizes 1½–10" | DN40–DN250
- Pressures up to 365 psi | 2517 kPa | 25 bar

Certifications/Listings:





Pressure Reducing Control Valve

SERIES 867-7UL

[Download publication 30.93](#) for complete information

- Double chamber actuator provides rapid response to changing system conditions
- Advanced actuator design increases operating life
- “Y” Pattern globe valve body
- Sizes 1½–16" | DN40–DN400
- Pressures up to 350 psi | 2413 kPa | 24 bar

Certifications/Listings:



Pressure Reducing Control Valve

SERIES 867-400

[Download publication 30.93](#) for complete information

- Proprietary reinforced rolling elastomeric diaphragm
- In-line serviceability, eliminates the need to remove for service
- Globe valve body
- Sizes 1½–12" | DN40–DN300
- Pressures up to 175 psi | 1207 kPa | 12 bar



Pressure Relief Control Valve

SERIES 867-43T

[Download publication 30.93](#) for complete information

- Low-flow stability without an anti-cavitation accessory
- Fully supported and reinforced diaphragm
- No obstructions in the flow path
- “Y” Pattern globe valve body
- Sizes 1½–10" | DN40–DN250
- Pressures up to 365 psi | 2517 kPa | 25 bar

Certifications/Listings:




Certifications/Listings:


Pressure Relief Control Valve

SERIES 867-7UF

[Download publication 30.93](#) for complete information

- Double chamber actuator provides rapid response to changing system conditions
- Advanced actuator design increases operating life
- “Y” Pattern globe valve body
- Sizes 1½–16" | DN40–DN400
- Pressures up to 350 psi | 2413 kPa | 24 bar



Pressure Relief Control Valve with Electric Override

SERIES 867-759

[Download publication 30.93](#) for complete information

- Double chamber actuator provides rapid response to changing system conditions
- Advanced actuator design increases operating life
- “Y” Pattern globe valve body
- Sizes 1½–16" | DN40–DN400
- Pressures up to 350 psi | 2413 kPa | 24 bar



Pressure Relief Control Valve

SERIES 867-4UF

[Download publication 30.93](#) for complete information

- Proprietary reinforced rolling elastomeric diaphragm
- In-line serviceability, eliminates the need to remove for service
- Globe valve body
- Sizes 1½–12" | DN40–DN300
- Pressures up to 175 psi | 1207 kPa | 12 bar

Certifications/Listings:




Pressure Relief Control Valve with Electric Override

SERIES 867-459

[Download publication 30.93](#) for complete information

- Proprietary reinforced rolling elastomeric diaphragm
- In-line serviceability, eliminates the need to remove for service
- Globe valve body
- Sizes 1½–12" | DN40–DN300
- Pressures up to 175 psi | 1207 kPa | 12 bar