# FireLock NXT<sup>™</sup> Deluge Valve Series 769

With Deluge Trim Grooved x Grooved



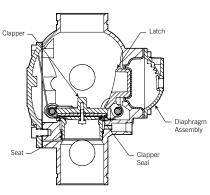




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#### Features:



*Exaggerated for clarity* Note: Valve is shown in the "set" position

Victaulic Series 769 Deluge Valves feature a highstrength, low-weight, ductile iron body with pneumatic, hydraulic, and electric actuation methods. The straightthrough body design provides superior flow and lowpressure drop. It offers simple access to all internal parts for easy maintenance. All internal parts are replaceable. The valve is painted inside and out to increase corrosion resistance.

Maintenance and service can be performed from the installed position. The rubber clapper seal is replaced easily without removing the clapper from the valve. The body is tapped for main drain and all available trim configurations. The low differential, unique latch and actuator design of the valve allows the device to be reset without opening the valve. The low differential design is not subject to water columns. The system can only be installed in a vertical configuration. The valve allows the water to operate a water motor alarm and/or electric pressure alarms, which continue until the flow of water stops. The valve can be configured for wet pilot, dry pilot or electrical activation.

The valve is rated to 300 psi/2065 kPa water working pressure and is factory tested hydrostatically to 600 psi/ 4135 kPa for sizes  $1 \frac{1}{2} - 8^{"}/40 - 200$  mm. VDS trim configurations are approved to 16 BAR. Other European trim configurations are approved to 20 BAR. (see page 16-18). Required air pressure is 13 psi/90 kPa.

The Series 769 is available grooved x grooved. Standard grooved dimensions conform to ANSI/AWWA C606.

#### Installation Options

The Victaulic Series 769 FireLock NXT Deluge Valve is available bare, or in the following configurations: (note: trim kits may be ordered separately)

#### **Pre-trimmed**

The pre-trimmed valve comes completely assembled with all necessary trim components.

#### Vic-Quick Riser

The Vic-Quick Riser comes completely pre-trimmed and includes a shut off valve (uses a Series 705W FireLock Butterfly valve – request publication 10.18; for 1 1/2 and 2"/40 and 50 mm sizes, the Vic-Quick Riser comes with a Series 728 Ball Valve – request publication 10.17) for system shut off, pressure switches, and a drain kit for ease of installation. For complete Vic-Quick Riser information request publication 30.20.

**Series 745 FireLock Fire-Pac** (North America only) The Fire-Pac is a completely pre-assembled fire protection valve that provides maximum service in a minimal enclosed space. The unit includes a water supply shutoff valve, the sprinkler system fire protection valve, alarm line pressure switches, air supervisory pressure switches, supervisory pump switches, and digital pressure gauges that are easily viewed through a window in the cabinet door.

For complete Fire-Pac information request publication 30.23. Optional accessories ship separately.

Reference. https://assets.vicialin



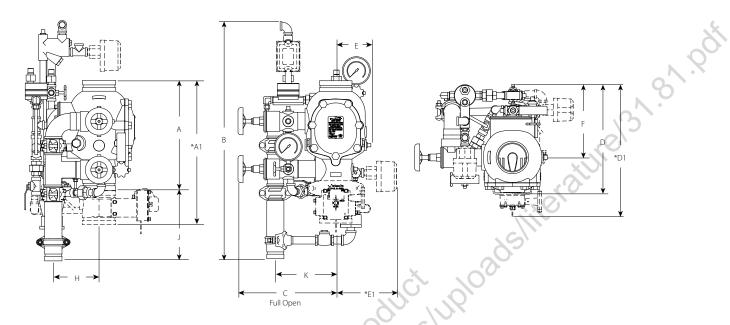
#### **Dimensions:**

The 4"/114.3 mm dry pilot configuration is shown below

 $1 \frac{1}{2} - \frac{2}{48.3} - 60.3$  mm configurations contain  $\frac{34}{19}$  mm drain valves.

 $2\frac{1}{2} - \frac{3}{73.0} - 88.9$  mm configurations contain  $1\frac{1}{1}$ "/31 mm drain valves.

4 - 8"/114.3 - 219.1 mm configurations contain 2"/50 mm drain valves.



							Dime	nsions	G	e's				App Wei Ea	ght
Nominal Size	Actual Outside Diameter	A	<b>A1</b> <sup>1</sup>	В	с	D	D11	E	E11	F	н	J	к	Without Trim	With Trim
inches	inches	inches	inches	inches	inches	inches	inches	inches	inches	inches	inches	inches	inches	lbs.	lbs.
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	kg
1 ½	1.900	9.00	16.35	28.50	13.75	12.50	15.00	5.25	8.50	9.25	3.04	9.17	6.98	16.7	43.0
40	48.3	228.60	415.29	723	349	317	381	133	215	234	77.21	232.91	177.29	7.6	19.5
2	2.375	9.00	13.37	28.50	13.75	12.50	15.00	5.25	8.50	9.25	3.04	9.17	6.98	17.0	43.0
50	60.3	228.60	339.60	723	349	317	381	133	215	234	77.21	232.91	177.29	7.7	19.5
2 <sup>1</sup> /2 <sup>2</sup>	2.875	12.61	16.50	32.25	13.50	13.50	17.50	5.25	9.00	9.25	3.90	10.50	6.93	41.0	65.0
65 <sup>2</sup>	73.0	320.29	419.10	819	342	342	444	133	228	234	99.06	266.70	176.02	18.7	29.5
76.1 mm	3.000	12.61	16.50	32.25	13.50	13.50	17.50	5.25	9.00	9.25	3.90	10.50	6.93	41.0	65.0
	76.1	320.29	419.10	819	342	342	444	133	228	234	99.06	266.70	176.02	18.7	29.5
3	3.500	12.61	16.50	32.25	13.50	13.50	17.50	5.25	9.00	9.25	3.90	10.50	6.93	41.0	65.0
80	88.9	320.29	419.10	819	342	342	444	133	228	234	99.06	266.70	176.02	18.7	29.5
4	4.500	15.03	19.83	33.50	15.00	15.75	20.50	5.50	9.00	10.75	6.25	9.62	8.46	59.0	95.0
100	114.3	381.76	503.68	850	381	400	520	139	228	273	158.75	244.34	214.88	26.7	43.0
165.1 mm	6.500	16.00	22.00	33.75	15.50	16.75	22.00	6.00	8.50	11.25	6.20	9.62	8.84	80.0	116.0
	165.1	406.40	558.80	857	393	425	558	152	215	285	157.48	244.34	224.53	36.2	52.6
6	6.625	16.00	22.05	33.75	15.50	16.75	22.00	6.00	8.50	11.25	6.20	9.62	8.84	80.0	116.0
150	168.3	406.40	560.07	857	393	425	558	152	215	285	157.48	244.34	224.53	36.2	52.6
8	8.625	17.50	23.00	33.50	16.75	19.75	25.25	7.00	8.75	12.75	6.05	9.40	10.21	122.0	158.0
200	219.1	444.50	584.20	850	425	501	641	177	222	323	153.67	238.76	259.33	55.3	71.6

NOTES:

The drawings shown above reflect the dry pilot trim with Series 776 Low-Pressure Actuator. In addition, these dimensions can be applied to hydraulic (wet pilot) release and electric release trim.

The "A" dimension coupling and the optional sensor switch are not shown for clarity.

Components shown as dotted lines denote optional equipment

1 Measurements denoted with an asterisk take optional equipment into account.

Optional drain connection kit is shown for reference and takeout dimensions.

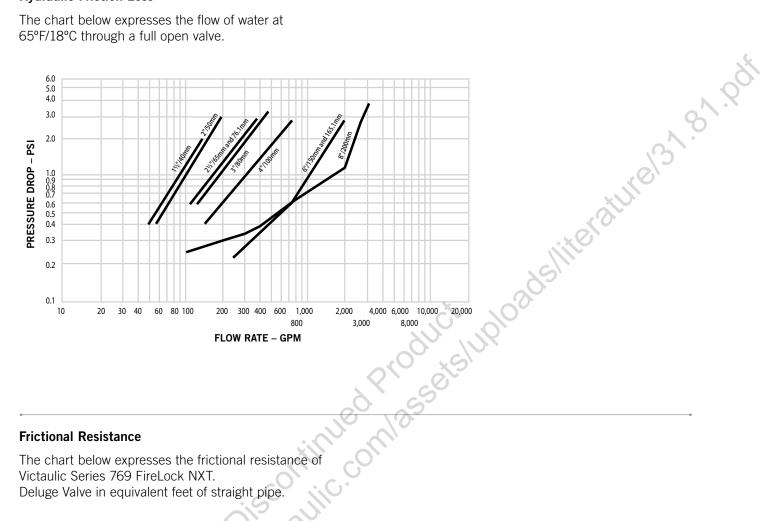
2 European trim configurations are not available in 21/2"/65mm pipe sizes.



### **Performance:**

# **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 769 FireLock NXT. Deluge Valve in equivalent feet of straight pipe.

Nominal Size	Actual Outside Diameter	Equivalent Length of Pipe
inches	inches	feet
mm	mm	meters
1 ½	1.900	3.00
40	48.3	0.914
2	2.375	9.00
50	60.3	2.743
2 ½	2.875	8.00
65	73.0	2.438
76.1 mm	3.000 76.1	8.00 2.439
3	3.500	17.00
80	88.9	5.182
4	4.500	21.00
100	114.3	6.401
165.1 mm	6.500 165.1	22.00 6.706
6	6.625	22.00
150	168.3	6.706
8	8.625	50.00
200	219.1	15.240



#### C<sub>v</sub> Values:

 $C_v$  values for flow of water at +60°F/+16°C through a fully open valve are shown in the table below.

Formulas for $C_v$ values	Where:
$\Delta P = Q^2 / C_v^2$	Flow Coefficient C <sub>v</sub>
$Q = C_v \times \sqrt{\Delta P}$	Q (Flow) GPM
	ΔP (Pressure Drop) psi

inches mminches mm $C_{\chi}$ K $_{\chi}$ $1\frac{1}{2}$ $1.900$ $60$ $40$ $48.3$ $52.0$ $2$ $2.375$ $110$ $50$ $60.3$ $95.0$ $2\frac{1}{2}$ $2.875$ $180$ $65$ $73.0$ $156.0$ $76.1$ $3.000$ $180$ $76.1$ $350$ $200$ $80$ $88.9$ $173.0$ $4$ $4.500$ $350$ $100$ $114.3$ $302.8$ $165.1$ $6$ $6.625$ $1000$ $168.3$ $865.0$ $8$ $8.625$ $1500$ $200$ $219.1$ $1300.0$	Nominal Size         Outside Diameter         Flow Coefficient           inches         inches         C, K,           1½         1.900         60           40         48.3         52.0           2         2.375         110           50         60.3         95.0           2½         2.875         180           65         73.0         156.0           76.1 mm         3.000         180           76.1 mm         76.1         156.0           3         3.500         200           80         88.9         173.0           4         4.500         350           100         114.3         302.8           165.1 mm         6.500         1000           150         168.3         865.0           8         8.625         1500           200         219.1         1300.0		Size	Full Open
mm         mm         Ky $1\frac{12}{2}$ $1.900$ $60$ $40$ $48.3$ $52.0$ $2$ $2.375$ $110$ $50$ $60.3$ $95.0$ $2\frac{12}{2}$ $2.875$ $180$ $65$ $73.0$ $156.0$ $76.1$ mm $3.000$ $180$ $76.1$ mm $76.1$ $156.0$ $3$ $3.500$ $200$ $80$ $88.9$ $173.0$ $4$ $4.500$ $350$ $100$ $114.3$ $302.8$ $165.1$ mm $6.500$ $1000$ $165.1$ mm $6.625$ $1000$ $150$ $168.3$ $865.0$ $8$ $8.625$ $1500$ $200$ $219.1$ $1300.0$	mm         mm         K <sub>y</sub> 1½         1.900         60           40         48.3         52.0           2         2.375         110           50         60.3         95.0           2½         2.875         180           65         73.0         156.0           76.1 mm         3.000         180           76.1 mm         76.1         156.0           3         3.500         200           80         88.9         173.0           4         4.500         350           100         114.3         302.8           165.1 mm         6.500         1000           150         168.3         865.0           8         8.625         1500           200         219.1         1300.0		Outside	Flow Coefficient
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**Operation:** 

The Victaulic Deluge System utilizes the Series 769 Actuated Valve to control the water supply's entry into the deluge system's piping and open sprinklers. The Series 769 Actuated Valve is constructed with a clapper, which has a replaceable rubber face. The clapper makes contact with the valve seat ring, which has access holes to the intermediate chamber of the valve. The clapper is contacted by the latch, which is contacted by the diaphragm. In the closed position, water supply pressure from upstream of the water supply control valve is maintained in the diaphragm chamber, which holds the clapper in the closed position. The water is maintained in the diaphragm by one of the system release mechanisms (pneumatic, hydraulic or electric). Upon detection of an actuating event of the deluge system, such as an actuated pilot sprinkler or heat detection, the water supply pressure in the diaphragm chamber is released. This release allows the latch to move to its open position, permitting the clapper to pivot freely, thus allowing water into the system. Water will flow from all open sprinklers in the piping. Also, water enters the intermediate chamber of the valve through the holes in the seat ring. The water flows from the intermediate chamber to the alarm line, which activates the system's alarms. These alarms continue to sound until the flow of water is stopped.

Important Note: If air pressure in a pneumatic system is lost, a low air alarm (optional) will activate. If air pressure is not restored, the valve will actuate. If a pilot sprinkler in either a pneumatic or hydraulic system is damaged, the valve will actuate and water will flow from all open sprinklers in the deluge system. Water motor alarms and alarm pressure switches will activate.

### **Manual Operation**

Any time the manual release handle is pulled, water will be released, and the valve will actuate, thus allowing water into the deluge system. Water motor alarms and alarm pressure switches will activate.



#### **Material Specifications:**

Body: Ductile iron conforming to ASTM A-536, grade 65-45-12. Ductile iron conforming to ASTM A-395, grade 65-45-15, is available upon special request.

Clapper: Aluminum bronze UNS-C95500

Latch: Aluminum bronze UNS-C95500

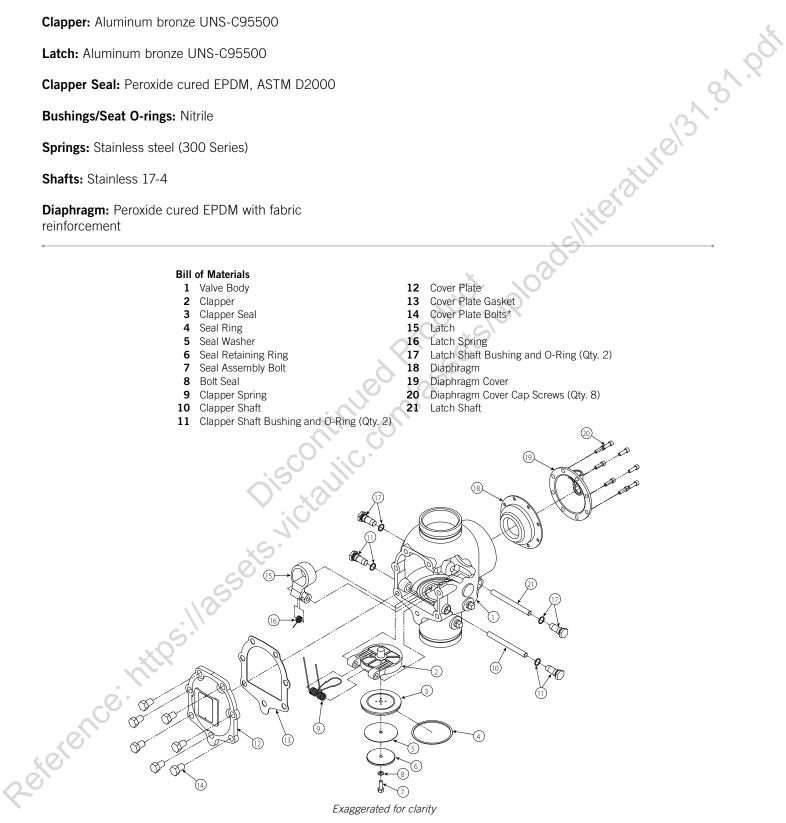
Clapper Seal: Peroxide cured EPDM, ASTM D2000

Bushings/Seat O-rings: Nitrile

Springs: Stainless steel (300 Series)

Shafts: Stainless 17-4

Diaphragm: Peroxide cured EPDM with fabric reinforcement



\* NOTE: The 1½-inch/48.3-mm and 2-inch/60.3-mm valve sizes contain washers under the heads of the cover plate bolts.



#### **Trim Package Options:**

- 1 Pneumatic (Dry Pilot) Release
- 2 Hydraulic (Wet Pilot) Release
- 3 Electric Release

Trim packages include all required pipe and fittings. For trim package details and optional accessories, see pages 13-15. For European trim and optional accessory details, see pages 16-18.

# Foam System Option:

Black Trim for Foam Systems – If the valve is intended for use in a foam system, black trim must be ordered, per NFPA requirements. Specify this requirement on the order.

### Actuators:

- Series 776 Low-Pressure Actuator The Series 776 Low-Pressure Actuator is pneumatically actuated and requires only 13 psi/90 kPa minimum air pressure, regardless of the system supply pressure. This actuator allows the system to operate with a low air or gas pressure of 7 psi/48 kPa. Request submittal 30.65.
- Series 753-E Solenoid Valve The Series 753-E Solenoid Valve is designed for use with systems that require electrical activation. Request submittal 30.63.

# **Optional Accessories:**

- Series 760 Water Motor Alarm The Series 760 Water Motor Alarm is a mechanical device that sounds when a sustained flow of water occurs (such as with an open sprinkler). Request submittal 30.32.
- Alarm Pressure Switch Alarm Pressure Switches are designed to activate electrical alarms and control panels when a sustained flow of water occurs (such as with an open sprinkler).
- Air Supply System The air supply system contains all components for establishing and maintaining air in a pneumatic system. The compressor, lowpressure alarms, ball valves, and required trim are included in the air supply system.
- Air Compressor (See page 8 for more on the Victaulic Series 7C7 Compressor Package)
- Air Maintenance Trim Assembly
- Alarm Panels
- Drain Connection Kit

# Air Supply Requirements for Dry Pilot Deluge Systems:

The required air pressure for Series 769 FireLock NXT Deluge Valves with dry pilot trim is 13 psi/90 kPa, regardless of the system supply pressure.

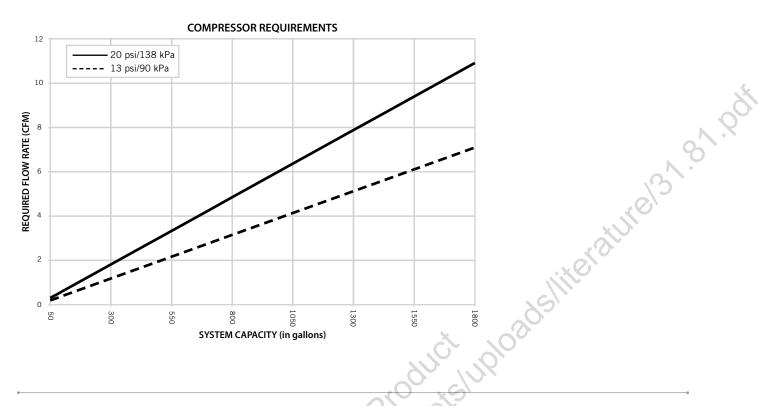
If multiple Series 769 FireLock NXT Deluge Valves with dry pilot trim are installed with a common air supply, isolate the systems with a spring-loaded, soft-seated ball check valve to ensure air integrity for each system. Good practice is to include a ball valve for isolation and service of each individual system.

The engineer/system designer is responsible for sizing the compressor so that the entire system is charged to the required air pressure within 30 minutes. DO NOT oversize the compressor to provide more airflow. An oversized compressor will slow down or possibly prevent valve operation.

If the compressor fills the system too fast, it may be necessary to restrict the air supply. Restricting the air supply will ensure that air being exhausted from an open sprinkler or manual release valve is not replaced by the air supply system as fast as it is being exhausted



#### **Compressor Sizing:**



#### **Base or Riser-Mounted Compressors:**

For base or riser-mounted compressors, the recommended air pressure of 13 psi/90 kPa is the "on" or "low" pressure setting for the compressor. The "off" or "high" pressure setting should be 18 psi/124 kPa. Victaulic offers the Series 7C7 Compressor package for FireLock NXT devices which is riser-mounted and pre-set for the FireLock NXT pressure requirements as stated above. For information on the Series 7C7 package, consult publication 30.22. The Series 7C7 Compressor package is only available in North America.

When a base or riser-mounted air compressor supplies air to a Series 768 FireLock NXT Dry Valve, it is not necessary to install the Victaulic Series 757 Regulated Air Maintenance Trim Assembly (AMTA). In this case, the airline of the compressor connects to the trim at the fitting where the Series 757 Regulated AMTA is normally installed (refer to the applicable trim drawing). If the compressor is not equipped with a pressure switch, the Series 757P Air Maintenance Trim Assembly with Pressure Switch should be installed. For information on the Series 757P Air Maintenance Trim Assembly, see publication 30.35. For information on the Series 757P Air Maintenance Trim Assembly, see publication 30.36.

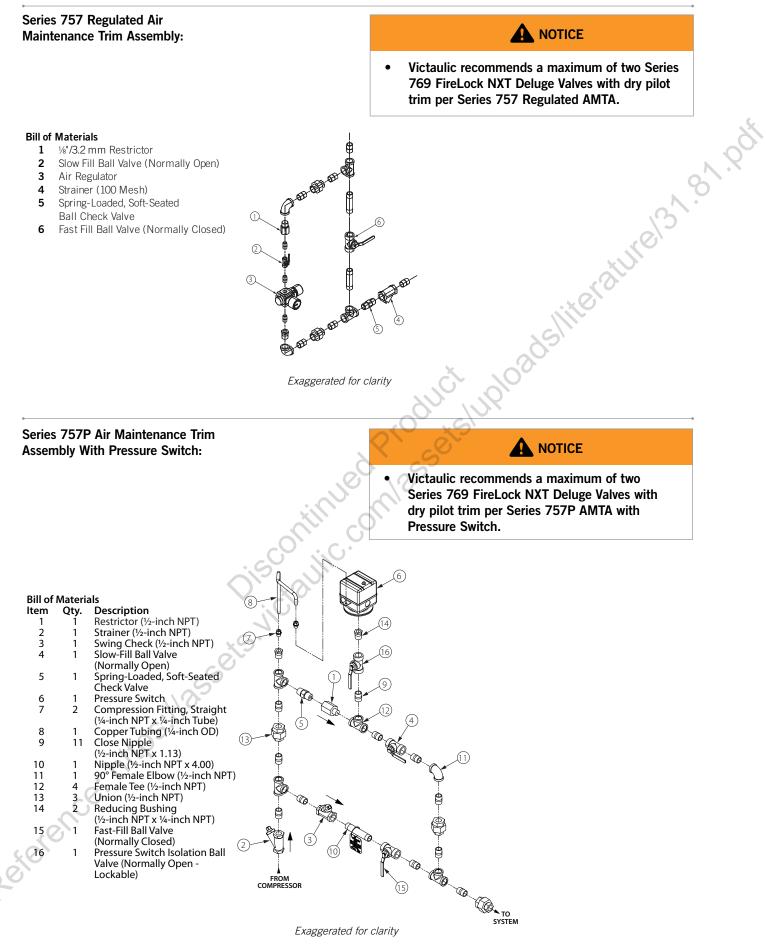
# Shop Air or Tank-Mounted Air Compressors:

In the event a compressor becomes inoperative, a properly sized tank-mounted air compressor provides the greatest protection for systems.

When shop air or a tank-mounted air compressor is used, the Series 757 Regulated AMTA must be installed. The Series 757 Regulated AMTA provides proper air regulation from the air reservoir to the sprinkler system.

For tank-mounted air compressors, the recommended air pressure of 13 psi/90 kPa should be used as the set point for the air regulator. The "on" pressure of the compressor should be at least 5 psi/34 kPa above the set point of the air regulator.







#### **Compressor Requirements:**

#### Settings for Air Supervisory Pressure Switches and **Alarm Pressure Switches**

Air supervisory pressure switches are required for dry systems and must be set according to the following instructions. NOTE: Switches for Vic-Quick Risers are pre-set at the factory.

Wire the air supervisory pressure switches to activate a low-pressure alarm signal. NOTE: In addition, the local authority having jurisdiction may require a high-pressure alarm. Contact the local authority having jurisdiction for this requirement.

Set the air supervisory pressure switches to activate at 2 – 4 psi (14 – 28 kPa) below the minimum air pressure required, but not lower than 10 psi/69 kPa.

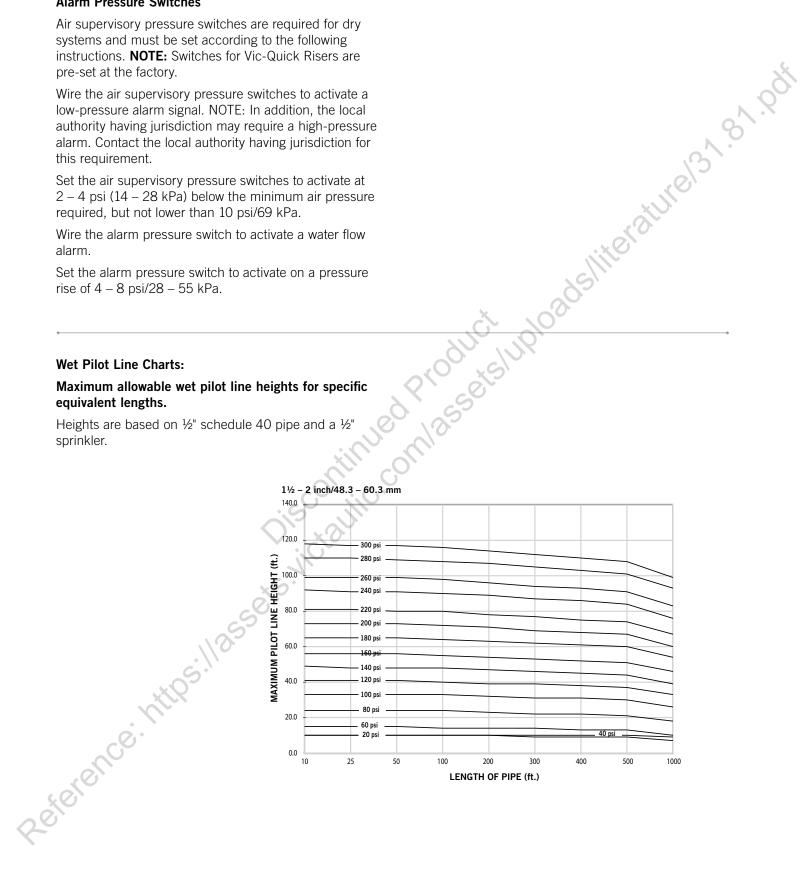
Wire the alarm pressure switch to activate a water flow alarm.

Set the alarm pressure switch to activate on a pressure rise of 4 - 8 psi/28 - 55 kPa.

#### Wet Pilot Line Charts:

#### Maximum allowable wet pilot line heights for specific equivalent lengths.

Heights are based on <sup>1</sup>/<sub>2</sub>" schedule 40 pipe and a <sup>1</sup>/<sub>2</sub>" sprinkler.

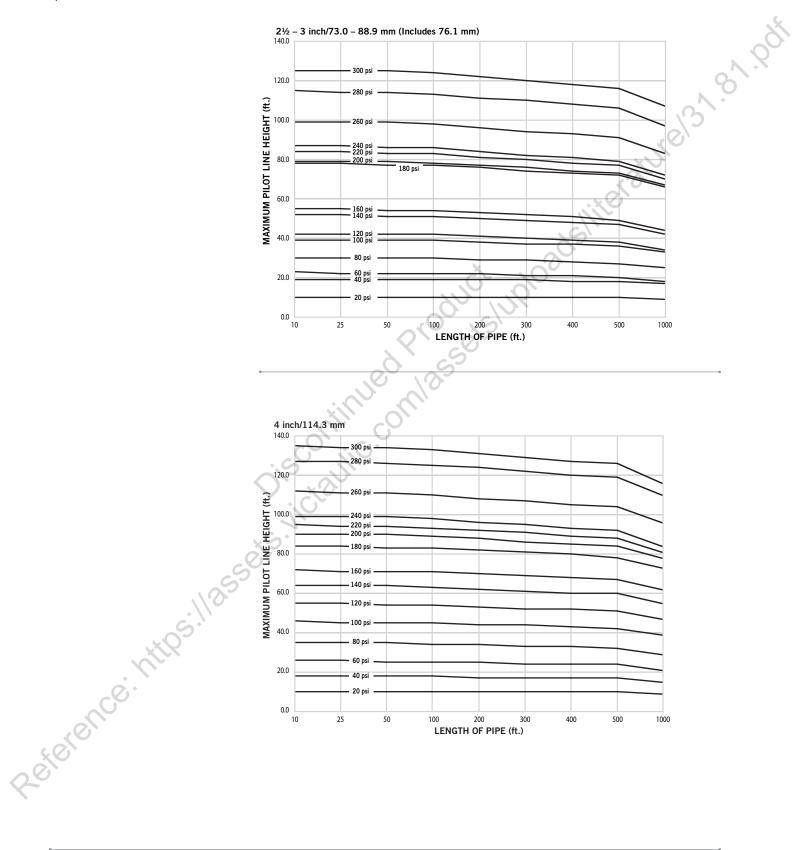




# Wet Pilot Line Charts:

# Maximum allowable wet pilot line heights for specific equivalent lengths.

Heights are based on  $\frac{1}{2}$ " schedule 40 pipe and a  $\frac{1}{2}$ " sprinkler.

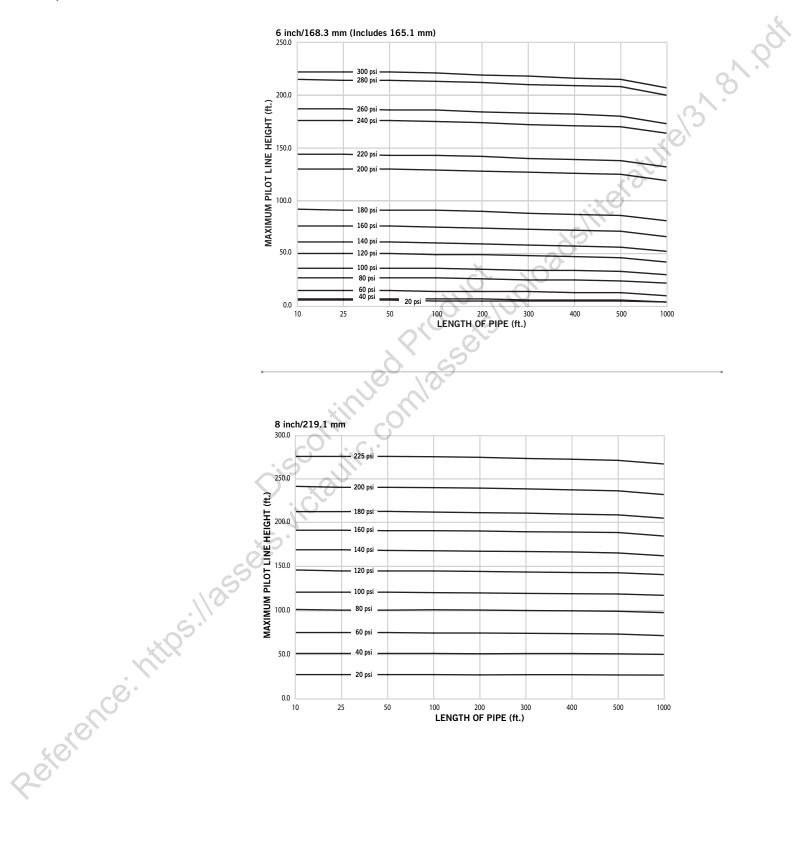




# Wet Pilot Line Charts:

# Maximum allowable wet pilot line heights for specific equivalent lengths.

Heights are based on  $\frac{1}{2}$ " schedule 40 pipe and a  $\frac{1}{2}$ " sprinkler.





From Syster Air Feed

(A)

o Pilot

# **Pneumatic Release** (Dry Pilot) Deluge Configuration)

<FM> Trim) ( <sub>c</sub>(ŲL) US

Series 769 FireLock NXT Deluge Valve with Pneumatic Release (Dry Pilot) Deluge Trim (Optional Accessories Also Shown)

#### Bill of Materials

- Series 769 FireLock NXT Deluge Valve 1 2 FireLock Rigid Coupling (Optional/Sold Separately - Comes Standard when VQR
- Assembly is Ordered) 3 Water Supply Main Control Valve (Optional/Sold Separately - Comes Standard
- when VQR Assembly is Ordered) 4 Drain Swing Check Valve
- 5 Drip Cup with Cap
- Alarm Pressure Switch (Optional/Sold 6 Separately - Comes Standard when VQR Assembly is Ordered)
- 7 Series 729 Drip Check Valve 8 Diaphragm-Charge-Line Ball Valve
- (Normally Open) 3-in-1 Strainer/Check/Restrictor 9 Assembly
- Series 760 Water Motor Alarm 10 (Optional/Sold Separately)
- 11 Alarm Test Ball Valve
- Diaphragm-Charge-Line Pressure 12 Gauge (0-300 psi/0-2068 kPa/0-20.7Bar)
- 13 Series 749 Auto Drain
- Series 776 Low-Pressure Actuator 14
- 15 Air Manifold
- Air Supervisory Pressure Switch 16 (Optional/Sold Separately - Comes Standard when VQR Assembly is Ordered)
- Water Supply Main Drain Valve Flow Test 17 Water Supply Pressure Gauge 18
- (0-300 psi/0-2068 kPa/0-20.7 Bar) 19 Drain Connection Kit (Optional/Sold
- 1255 ets. victau Separately - Comes Standard when VQR Assembly is Ordered)
- 20 System Main Drain Valve
- Series 755 Manual Pull Station 21 22 Gauge Valve

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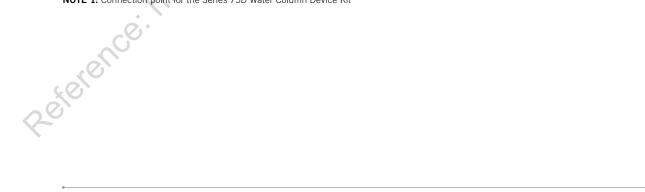
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NOTE 1: Connection point for the Series 75D Water Column Device Kit



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#### **Hydraulic Release** (Wet Pilot) Deluge Configuration

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Series 769 FireLock NXT Deluge Valve with Hydraulic Release (Wet Pilot) Deluge Trim



#### **Bill of Materials**

- 1 Series 769 FireLock NXT Deluge Valve
- 2 FireLock Rigid Coupling (Optional/Sold Separately - Comes Standard when VQR Assembly is Ordered)
- 3 Water Supply Main Control Valve (Optional/ Sold Separately – Comes Standard when VQR Assembly is Ordered)
- 4 Drain Swing Check Valve
- 5 Drip Cup with Cap
- 6 Alarm Pressure Switch (Optional/Sold Separately - Comes Standard when VQR Assembly is Ordered)
- 7 Series 729 Drip Check Valve
- 8 Diaphragm-Charge-Line Ball Valve (Normally Open)
- 3-in-1 Strainer/Check/Restrictor 9 Assembly
- 10 Series 760 Water Motor Alarm (Optional/Sold Separately)
- 11 Alarm Test Ball Valve
- 12 Diaphragm-Charge-Line Pressure Gauge (0-300 psi/0-2068 kPa/0-20.7 Bar)
- Series 749 AutoDrain 13 14 Water Supply Main Drain Valve -
- Flow Test 15 Water Supply Pressure Gauge
- Discontinue Discontinue victaulic.com (0-300 psi/0-2068 kPa/0-20.7 Bar) 16 Drain Connection Kit (Optional/Sold Separately - Comes Standard when VQR
- Assembly is Ordered)
- 17 System Main Drain Valve
- 18 Series 755 Manual Pull Station
- 19 Gauge Valve

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NOTE 1: Connection point for the Series 75D Water Column Device Kit Reference



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#### **Electric Release Configuration**

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Series 769 FireLock NXT Deluge Valve with Electric Release Trim (Optional Accessories Also Shown)

#### Bill of Materials

- 1 Series 769 FireLock NXT Deluge Valve 2 FireLock Rigid Coupling (Optional/Sold Separately - Comes Standard when VQR
- Assembly is Ordered) 3 Water Supply Main Control Valve (Optional/ Sold Separately – Comes Standard when VQR Assembly is Ordered)
- 4 Drain Swing Check Valve
- 5 Drip Cup with Cap
- 6 Alarm Pressure Switch (Optional/Sold Separately - Comes Standard when VQR Assembly is Ordered)
- 7 Series 729 Drip Check Valve
- 8 Diaphragm-Charge-Line
- Ball Valve (Normally Open)
- 9 3-in-1 Strainer/Check/Restrictor Assembly
- 10 Series 760 Water Motor Alarm (Optional/Sold Separately)
- Alarm Test Ball Valve 11
- 12 Diaphragm-Charge-Line Pressure Gauge (0-300 psi/0-2068 kPa/0-20.7 Bar)
- 13 Series 749 AutoDrain
- 14 Water Supply Main Drain Valve -Flow Test
- 15 Water Supply Pressure Gauge (0-300 psi/0-2068 kPa/0-20.7 Bar)
- lassets. victaulic.con 16 Drain Connection Kit (Optional/Sold Separately - Comes Standard when VQR Assembly is Ordered)
- 17 Gauge Valve
- 18 System Main Drain Valve
- 19 Series 755 Manual Pull Station
- 20 Series 753-E Solenoid Valve

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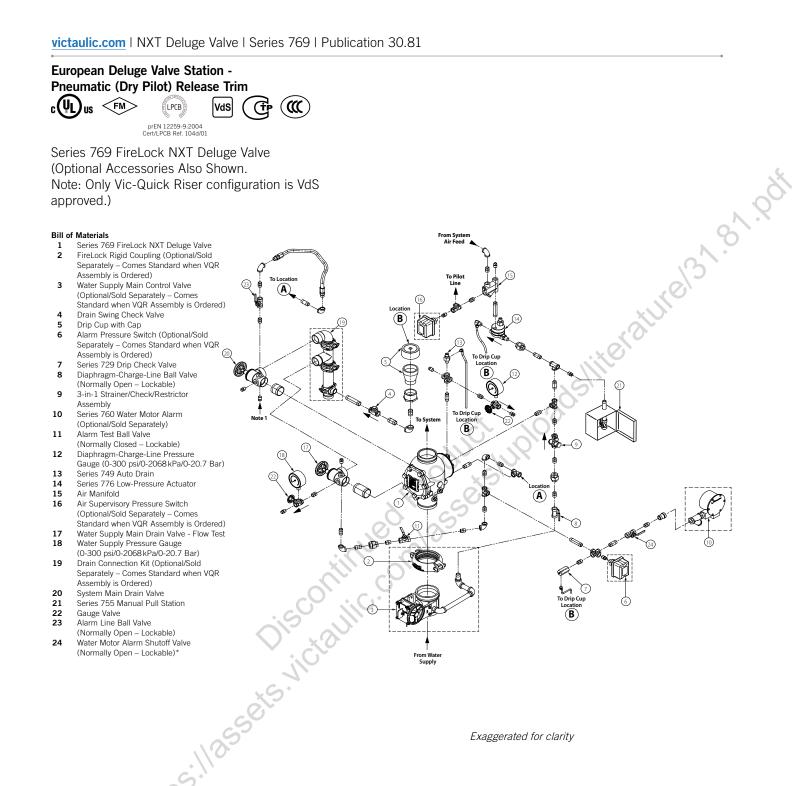
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NOTE 1: Connection point for the Series 75D Water Column Device Kit Reference



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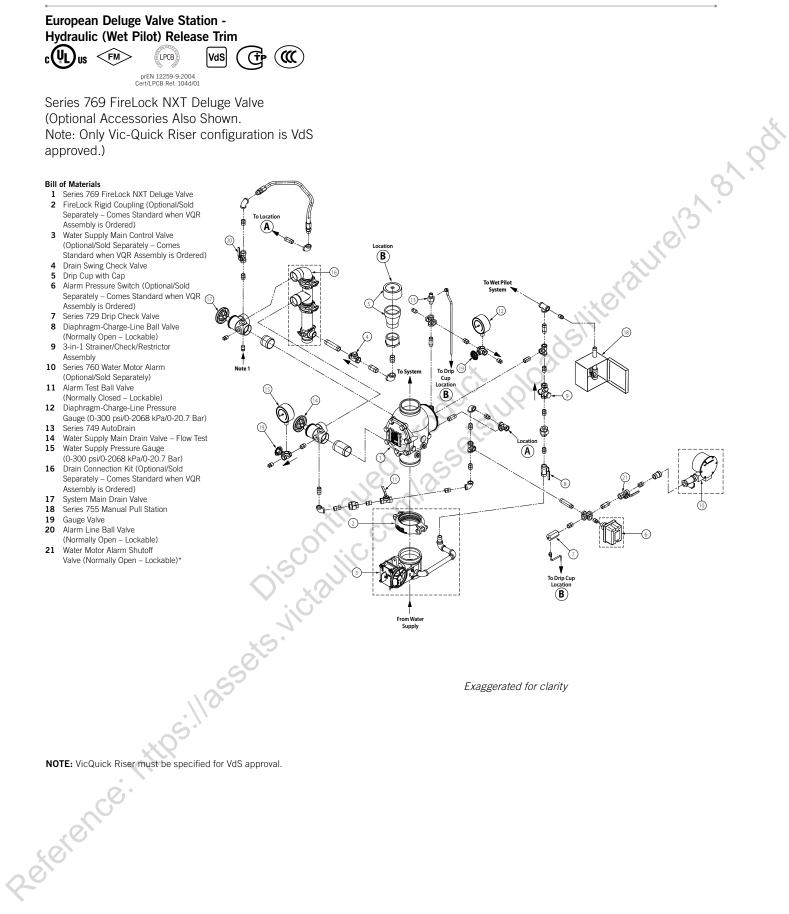
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NOTE: VicQuick Riser must be specified for VdS approval. Referencei

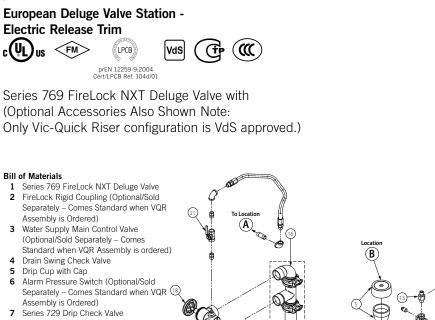






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- Diaphragm-Charge-Line 8
- Ball Valve (Normally Open Lockable) 9 3-in-1 Strainer/Check/Restrictor
- Assembly 10 Series 760 Water Motor Alarm (Optional/ Sold Separately)
- 11 Alarm Test Ball Valve
- (Normally Closed Lockable) 12 Diaphragm-Charge-Line Pressure
- Gauge (0-300 psi/0-2068 kPa/0-20.7 Bar)
- 13 Series 749 AutoDrain
- Water Supply Main Drain Valve Flow Test 14 15 Water Supply Pressure Gauge
- (0-300 psi/0-2068 kPa/0-20.7 Bar) 16 Drain Connection Kit (Optional/Sold Separately - Comes Standard when VQR assets. Victaulic Assembly is Ordered)
- Gauge Valve 17
- 18 System Main Drain Valve
- Series 755 Manual Pull Station 19
- Series 753-E Solenoid Valve 20
- 21 Alarm Line Ball Valve
- (Normally Open Lockable) 22 Water Motor Alarm Shutoff Valve (Normally Open - Lockable)\*

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NOTE: VicQuick Riser must be specified for VdS approval. Reference



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- · 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.

A WARNING

- 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.

e. Hitps://essets.victarin.com/assets. 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.

#### Installation

Reference should always be made to the appropriate Installation, Maintenance, and Testing Manual included with each shipment of Victaulic products. These manuals are also available in PDF format on our website at victaulic.com

#### 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.

#### Trademarks

Victaulic® and FireLock® are registered trademarks of Victaulic Company.

