

DELUGE VALVE

MODEL: SD-DVA

TECHNICAL DATA :

NOMINAL SIZE	200, 150, 100, 80 & 50NB
MAXIMUM SERVICE PRESSURE	12 Bar (175 PSI)
THREADED OPENING	BSPT
MOUNTING	90° pattern inlet to outlet vertical mounting
FACTORY HYDROSTATIC TEST PRESSURE	25 Kg./sq.cm. (350 PSI)
FLANGE CONNECTION	ANSI B 16.1 FF # 125 (Flange drilling matching to ANSI B 16.5 # 150)
TRIM	Galvanized Steel with Brass Valves
WET PILOT SPRINKLER HEIGHT LIMITATION	As per graph in the catalogue
NET WEIGHT WITHOUT TRIM	200NB - 214 Kg 150NB - 131 Kg 100NB - 77 Kg 80NB - 50 Kg 50NB - 47 Kg
FINISH	Red RAL 3000
APPROVAL	UL Listed
ORDERING INFORMATION	Specify 1) Size of valve 2) Trim type - Dry Pilot Wet Pilot Electric Release Test & Alarm



VALVE OPERATION

Deluge valve is a quick release, hydraulically operated diaphragm valve. It has three chambers, isolated from each other by the diaphragm operated clapper and seat seal. While in 'SET' position, water pressure is transmitted through an external bypass check valve and restriction orifice from the system supply side to the top chamber, so that supply pressure in the top chamber acts across the diaphragm operated clapper which holds the seat against the inlet supply pressure because of differential pressure design.

On detection of fire the top chamber is vented to atmosphere through the outlet port via opened actuation device(s). The top chamber pressure cannot be replenished through the restricted inlet port, thus it reaches less than half the supply pressure instantaneously and the upward force of the supply pressure lifts the clapper allowing water to enter the system piping network and alarm devices.

TRIM DESCRIPTION

a) BASIC TRIM

The basic trim is required on deluge valve regardless of the release system. It contains those components which are required in all types of installation, such as the main drain valve, priming connection, drip check valve, emergency release valve and pressure gauges.

b) DRY PILOT TRIM (PNEUMATIC RELEASE)

Dry pilot operation uses a pilot line of closed Sprinklers / QB detectors containing air under pressure, located in the area to be protected. It requires regulated dry air supply with main supply point through restricted orifice.

The pilot line is connected directly to the top of Positive Drain Actuator (PDA). The bottom of PDA is connected to the top chamber of the deluge valve. When the air pressure drops, due to release of any of the

DESCRIPTION

Deluge Valve is known as a system control valve in a deluge system, used for fast application of water in a spray system. Deluge valve protects areas such as power transformer installation, storage tank, conveyor protection and other industrial application etc. With the addition of foaming agent deluge valve can be used to protect aircraft hangar and inflammable liquid fire.

release devices on detection of fire, the diaphragm of PDA is lifted and allows the water to drain. This reduces the water pressure in the top chamber of the deluge valve and when the pressure in the top chamber reaches 50% of the supply pressure, the deluge valve opens.

The direct drain of PDA starts when the top chamber pressure of deluge valve reaches approximately 0.7 Kg/sq.cm. This positive drain will not permit the deluge valve to close unless the PDA is set manually. The recommended air supply pressure is as per TABLE-1.

LINE WATER PRESSURE Kg./ Sq.cm. MAXIMUM	AIR PRESSURE IN DETECTION LINE Kg./ Sq.cm.	
	MINIMUM	MAXIMUM
2	1.2	3.0
4	1.5	3.0
6	2.0	3.5
8	2.5	3.5
10	3.0	3.5
12	3.5	4.0

TABLE-1

c) WET PILOT TRIM (HYDRAULIC RELEASE)

Wet pilot operation uses a pilot line of closed sprinklers containing pressurised water, supplied through the upstream side of the deluge valve, through a restricted orifice. All the release lines are connected to a common release line. Due to release of any one of the release devices, the water pressure in the top chamber of the deluge valve reaches 50% of the supply pressure, the deluge valve opens.

CAUTION

While using a deluge valve in the wet pilot system the height and the length of the wet pilot detection line is to be limited as given in the wet pilot sprinkler height limitation graph.

d) ELECTRIC RELEASE TRIM

To actuate a deluge valve electrically, a solenoid valve is provided to drain the water from the top chamber of the deluge valve. A pressure switch is provided to activate an electric alarm, to shut down the desired equipment or to give "Tripped" indication to the panel.

In addition to this two nos of pressure switches can be used to monitor "Low air pressure" and "Fire condition" when used in dry pilot airline.

e) TEST AND ALARM TRIM WITH SPRINKLER ALARM

This trim is supplied with the sprinkler alarm bell, which bells on actuation of the deluge valve. A test valve is provided to test the normal operation of the sprinkler alarm bell.

Note: Trim without Test and Alarm trim, without Drain & drip valve can be supplied for which please contact marketing.

RESETTING PROCEDURE FOR

(i) Close the upstream side stop valve provide below the deluge valve.

(ii) Open both the drain valves and close them when the flow of water has ceased.

(iii) Inspect and release if required, or close the section of the detection system subjected to "Fire condition".

(iv) In case of dry pilot detection system, open the air supply valve to build-up air pressure as shown in TABLE-1. Open the priming valve fully and press hold the knob of PDA till the water pressure gauge indicate full service line pressure and then release the PDA knob. Open the upstream side of the stop valve provided below the deluge valve. No water should flow into the system, this can be checked by depressing the drip check valve knob.

CAUTION

a. Do not close the priming valve, downstream and upstream stop valves, while the system is in service.

b. The releasing device must be maintained in the open position, when actuated, to prevent the deluge valve from closure.

c. While using a Deluge valve in the wet pilot system the height and the length of the wet pilot detection line is to be limited as shown in the wet pilot sprinkler limitation graph.

d. Do not connect the Sprinkler Alarm outlet drain line to close a common drain as it may create back pressure and Sprinkler Alarm may not function.

e. Deluge valve must have support to absorb sudden opening or closing vibration shock to the piping.

f. The responsibility of maintenance of the protection system and devices in proper operating condition lies with the owner of the system.

g. Deluge Valve & its trim shall be maintained at a minimum temperature of 4°C, Heat tracing is not permitted.

h. Deluge Valve must be used in pressurised system

SYSTEM TESTING PROCEDURE

(i) Keep the upstream side of the stop valve partially open. Open the upstream side of the drain valve, to maintain a minimum pressure of 3 Kg./sq. cm on the upstream side of the deluge valve. To avoid water damage close the system side stop valve. This valve is to be kept in open position after the testing is completed.

(ii) Open the system side drain valve of the deluge valve.

(iii) Let any of the release devices to trip. This will result in a sudden drop of water pressure in the deluge valve top chamber resulting the deluge valve to open. The water flowing

through the downstream side drain valve confirms that the deluge valve has actuated, immediately close the upstream side stop valve.

(iv) Once testing is over reset the valve as per procedure given under heading “RESETTING PROCEDURE FOR THE DELUGE VALVE”.

INSPECTION AND MAINTENANCE

All the newly installed system piping network must be flushed properly before placing the deluge valve in service. A qualified and trained person must commission the system. After few initial successful tests an authorised person must be trained to perform inspection and testing of the system. It is recommended to have regular inspection and test run the system as per NFPA guidelines or in accordance with the guideline laid down by the organisation having local jurisdiction.

(i) WARNING

Inspection and testing is to be carried out only by authorised and trained personnel. DO NOT TURN OFF the water supply or close any valve to make repair(s) or test the valve, without placing a roving fire patrol in the area protected by the system. Also inform the local security personnel and central alarm station, so that a false alarm is not signaled. It is recommended to carry out physical inspection of the system at least twice in a week.

The inspection should verify that all the control valves are in proper position as per the system requirement and no damage has taken place to any component.

(ii) NORMAL CONDITION

- (a) All main valves are open and are sealed with tamper proof seal.
- (b) Drain valves must be kept closed.
- (c) No leak or drip is detected from the drip valve.
- (d) All the gauges except the system side water pressure gauge, should show the required pressure.
- (e) There should be no leakage in the system.

(iii) NORMAL CONDITION TEST

- (a) The system should be checked for normal condition at least once a month.
- (b) Test the sprinkler alarm bell or electric alarm by turning the alarm test valve to the test position. The alarm should sound. This test should be carried out at least once in a week.
- (c) Depress the drip valve knob. Significant water accumulation indicates a possible seat leakage.
- (d) Conduct the water flow test as per the procedure of system testing at least once in a month.

(iv) PERIODIC CHECK

Conduct the water flow test by actuating few of the release devices provided in the system.

Clean all strainer(s) and priming line restriction. This test is to be carried out at least once in six months.

ABNORMAL CONDITION

(i) ALARM FAILS TO SOUND

- (a) Check for any obstruction in the alarm test line, Ensure that the sprinkler alarm is freely operating.
- (b) If an electric alarm is provided, check the electrical circuitry to the alarm.

(ii) FALSE TRIPS

- (a) Check for clogging in priming line, restriction orifice check valve, priming valve & strainer.
- (b) Leakage in the release system.
- (c) The deluge air panel orifice clogged or low supply pressure.

(iii) LEAKAGE THROUGH THE DELUGE VALVE

- (a) Damaged deluge valve seat or obstruction on the seat face by foreign object.
- (b) Leakage in release system.
- (c) Partly clogged priming line, restriction check valve.
- (d) Low air pressure on system line or leakage in release system.
- (e) PDA seat leakage due to seat damage or obstruction on seat face by foreign objects (in dry pilot system only)
- (f) Leakage through bypass valve if installed in the system.

NOTE:

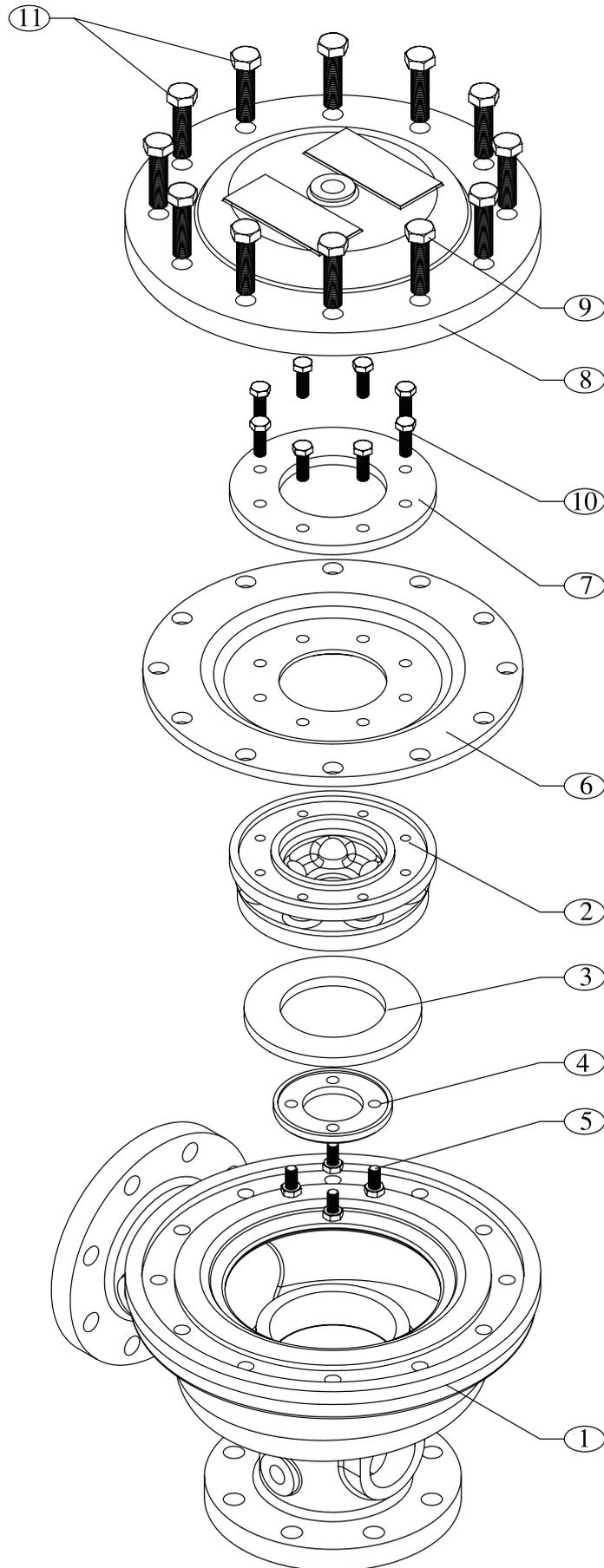
- (1) UL Listing is valid only when Deluge Valve is installed with trim set as per trim drawing.
- (2) The trip time of deluge valve on of device through detection network, will depend on volume of detection network. If the trip time of deluge valve is more, then it can be substantially reduced by installing check valve in branch of release line in the detection network. The check valve flow shall be towards releasing device.
- (3) The pneumatic system must have restricted orifice at air or gas supply point. The restriction nozzle are supplied with dry pilot actuation trim.
- (4) The Solenoid Valve provided for electric operation of the deluge valve and all released device must have minimum of 9.5mm orifice diameter, otherwise the deluge valve trip time will be quite high or deluge valve may not trip.

DELUGE VALVE MODEL - SD-DVA PART LIST

ITEM	PART NO.					DESCRIPTION	QTY.					MATERIAL SPECIFICATION
	200 NB	150 NB	100 NB	80 NB	50 NB		200 NB	150 NB	100 NB	80 NB	50 NB	
1	---	---	---	---	---	Housing	1	1	1	1	1	Cast Iron
2	A2002	A1502	A1002	A8002	A5002	Clapper	1	1	1	1	1	Ductile Iron
3	A2003	A1503	A1003	A8003	A5003	Rubber Seat	1	1	1	1	1	Neoprene Rubber
4	A2004	A1504	A1004	A8004	A5004	Rubber Clamp	1	1	1	1	1	Ductile Iron*
5	A2005	A1505	A1005	A8005	A5005	Bolt (M10X20)	6	4	4	3	3	Stainless Steel
6	A2006	A1506	A1006	A8006	A5006	Diaphragm	1	1	1	1	1	Neoprene Rubber
7	A2007	A1507	A1007	A8007	A5007	Clamp Ring	1	1	1	1	1	Ductile Iron*
8	A2008	A1508	A1008	A8008	A5008	Cover	1	1	1	1	1	Cast Iron
9	A2009	A1509	---	---	---	Bolt (M20X70)	14	14	---	---	---	Carbon Steel
	---	---	A1009	---	---	Bolt (M16x60)	---	---	10	---	---	Carbon Steel
	---	---	---	A8009	A5009	Bolt (M16X55)	---	---	---	10	12	Carbon Steel
10	A2010	A1510	A1010	A8010	A5010	Bolt (M10X30)	12	12	88	---	8	Stainless Steel
11	A2011	A1511	---	---	---	Bolt (M20X50)	2	2	---	---	---	Carbon Steel
	---	---	A1011	---	---	Bolt (M16X50)	---	---	2	---	---	Carbon Steel
	---	---	---	A8011	---	Bolt (M16X50)	---	---	---	2	---	Carbon Steel

* Ductile Iron is standard supply, bronze & stainless steel is optional supply.

DELUGE VALVE MODEL - SD-DVA SIZE 200 / 150 / 100 / 80/ 50 NB



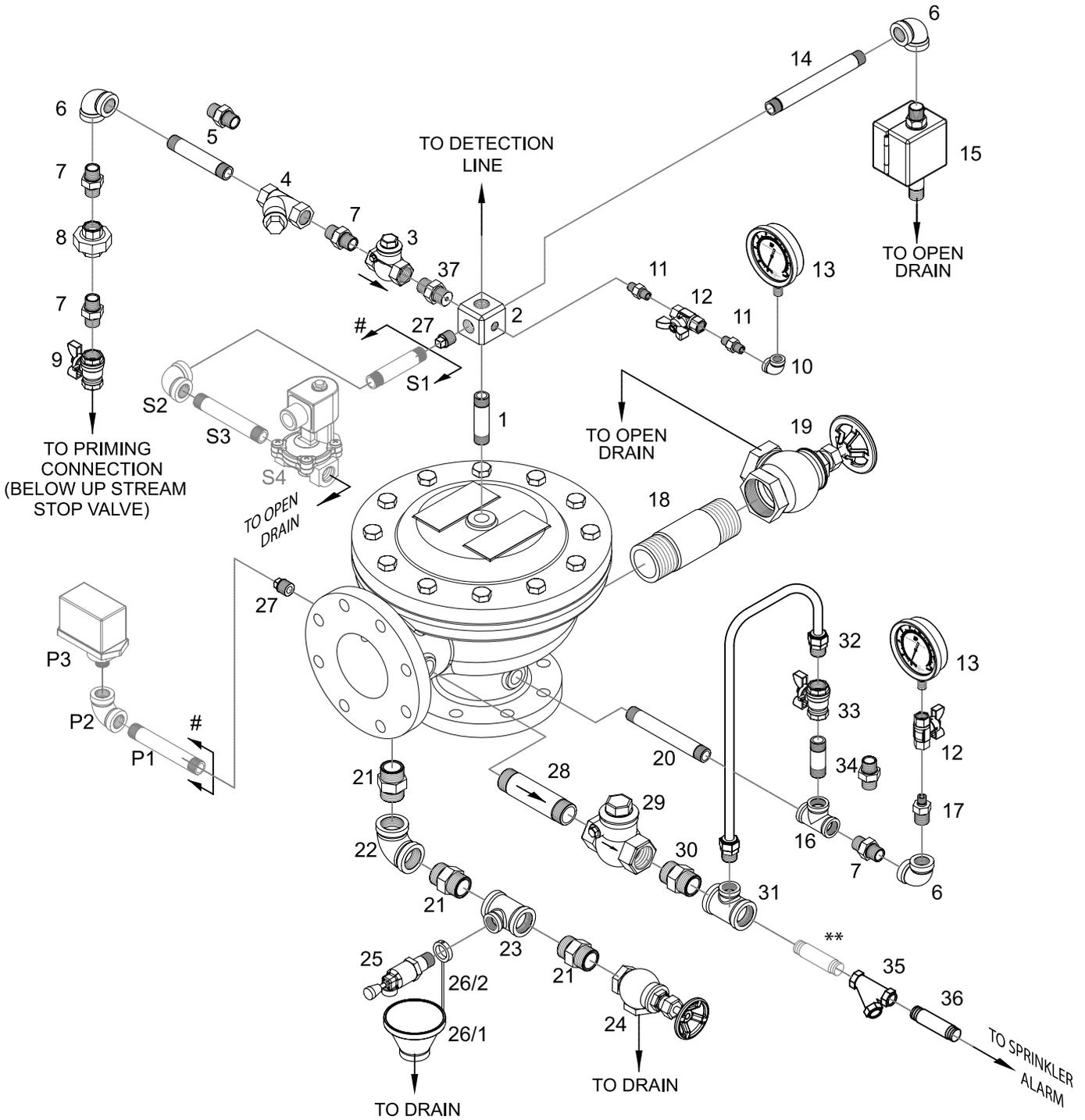
PNEUMATIC & ELECTRIC RELEASE TRIM WITH TEST & ALARM TRIM FOR DELUGE VALVE MODEL - SD-DVA

ITEM NO.	CODE NO.	DESCRIPTION	SIZE	QTY				
				200NB	150 NB	100 NB	80 NB	50 NB
1	A01	Pipe Nipple	1/2" X 80 mm Long	1	1	1	1	1
2	A02	6 Way Manifold	---	1	1	1	1	1
3	A03	Swing Check Valve	1/2"	1	1	1	1	1
4	A04	Y Strainer	1/2"	1	1	1	1	1
5	A05/1	Pipe Nipple	1/2" X 110 mm Long	1	1	----	----	----
5	A05/2	Hex Nipple	1/2"	---	----	1	1	1
6	A06	Elbow	1/2"	3	3	3	3	3
7	A07	Hex Nipple	1/2"	7	7	7	7	7
8	A08	Union	1/2"	1	1	1	1	1
9	A09	Ball Valve	1/2"	1	1	1	1	1
10	A10	Elbow	1/4"	2	2	2	2	2
11	A11	Hex Nipple	1/4"	3	3	3	3	3
12	A12	Gauge Valve	1/4"	3	3	3	3	3
13	A13	Pressure Gauge	1/4"	3	3	3	3	3
14	A14/1	Pipe Nipple	1/2" X 300 mm Long	1	----	----	----	----
14	A14/2	Pipe Nipple	1/2" X 255 mm Long	----	1	----	----	----
14	A14/3	Pipe Nipple	1/2" X 210 mm Long	----	----	1	----	----
14	A14/4	Pipe Nipple	1/2" X 180 mm Long	----	----	----	1	1
15	A15	Emergency Release station	---	1	1	1	1	1
16	A16	Tee	1/2"	3	3	3	3	3
17	A17	Reducing Hex Nipple	1/2" X 1/4"	2	2	2	2	2
18	A18	Positive Drain Actuator	---	1	1	1	1	1
19	A19/1	Pipe Nipple	2" X 110 mm Long	1	1	1	---	---
19	A19/2	Pipe Nipple	1-1/4" X 110 mm Long	---	---	---	1	1
20	A20/1	Angle Valve	2"	1	1	1	---	---
20	A20/2	Angle Valve	1 -1/4"	---	---	---	1	1
21	A21/1	Pipe Nipple	1/2" X 150 mm Long	1	1	---	---	---
21	A21/2	Pipe Nipple	1/2" X 130 mm Long	---	---	1	1	1
22	A22/1	Hex Nipple	1"	3	3	3	---	---
22	A22/2	Hex Nipple	3/4"	---	---	---	3	3
23	A23/1	Elbow	1"	1	1	1	---	---
23	A23/2	Elbow	3/4"	---	---	---	1	1
24	A24/1	Reducing Tee	1" X 1/2" X 1"	1	1	1	---	---
24	A24/2	Reducing Tee	3/4" x 1/2" X 3/4"	---	---	---	1	1
25	A25/1	Angle Valve	1"	1	1	1	---	---
25	A25/2	Angle Valve	3/4"	---	---	---	1	1
26	A26	Drip Valve	1/2"	1	1	1	1	1
27/1	A27/1	Funnel	---	1	1	1	1	1
27/2	A27/2	Funnel Holder	---	1	1	1	1	1
28	A28	Plug	1/2"	2	2	2	2	2
29	A29	Pipe Nipple	3/4" X 100 mm Long	1	1	1	1	1
30	A30	Swing Check Valve	3/4"	1	1	1	1	1

ITEM NO.	CODE NO.	DESCRIPTION	SIZE	QTY				
				200NB	150 NB	100 NB	80 NB	50 NB
31	A31	Hex Nipple	3/4"	1	1	1	1	1
32	A32	Reducing Tee	3/4" X 1/2" X 3/4"	1	1	1	1	1
33	A33/1	Copper Tube Assembly	1/2"	1	---	---	---	---
33	A33/2	Copper Tube Assembly	1/2"	---	1	---	---	---
33	A33/3	Copper Tube Assembly	1/2"	---	---	1	---	---
33	A33/4	Copper Tube Assembly	1/2"	---	---	---	1	1
34	A34	Ball Valve	1/2"	1	1	1	1	1
35	A35/1	Pipe Nipple	1/2" X 80 mm Long	1	---	---	---	---
35	A35/2	Hex Nipple	1/2"	---	1	1	1	1
36	A36	Y Type Strainer	3/4"	1	1	1	1	1
37	A37	Pipe Nipple	3/4" X 80 mm Long	1	1	1	1	1
38	A38	Orifice Nozzle (Priming Line)	1/2"	1	1	1	1	1
39	A39	Orifice Nozzle (Air Line)	1/2"	1	1	1	1	1
Electric Trim for Pressure Switch (Optional)								
P1	A40	Pipe Nipple	1/2" X 135 mm Long	1	1	1	1	1
P2	A41	Elbow	1/2"	1	1	1	1	1
P3	A42	Pressure Switch (DV Outlet)	1/2"	1	1	1	1	1
A1	A43	Pressure Switch (Air Line)	1/2"	1	1	1	1	1
A2	A44	Tee	1/2"	1	1	1	1	1
A3	A45	Hex Nipple	1/2"	1	1	1	1	1
Electric Trim for Solenoid Valve (Optional)								
S1	A46	Pipe Nipple	1/2" X 130 mm Long	1	1	1	---	---
S1	A47	Pipe Nipple	1/2" X 130 mm Long	---	---	---	1	1
S2	A48	Elbow	1/2"	1	1	1	1	1
S3	A49	Pipe Nipple	1/2" X 180 mm Long	1	1	1	---	---
S3	A50	Pipe Nipple	1/2" X 135 mm Long	---	---	---	1	1
S4	A51	Solenoid Valve	1/2" Size, Two Way	1	1	1	1	1

HYDRAULIC & ELECTRIC RELEASE TRIM WITH TEST & ALARM TRIM FOR DELUGE VALVE MODEL - SD-DVA

ELECTRIC TRIM OPTIONAL



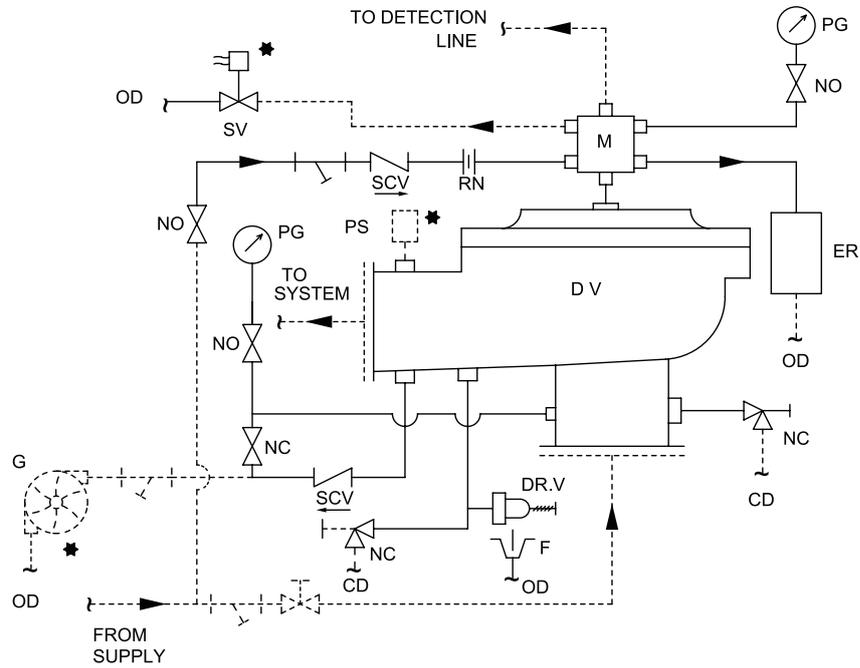
Note: When electric trim is supplied then SL.NO.28 plug not required.

** To suit at site by installer

HYDRAULIC & ELECTRIC RELEASE TRIM WITH TEST & ALARM TRIM FOR DELUGE VALVE MODEL - SD-DVA

ITEM NO.	CODE NO.	DESCRIPTION	SIZE	QTY				
				200NB	150 NB	100 NB	80 NB	50 NB
1	A01	Pipe Nipple	1/2" X 80 mm Long	1	1	1	1	1
2	A02	6 Way Manifold	---	1	1	1	1	1
3	A03	Swing Check Valve	1/2"	1	1	1	1	1
4	A04	Y Strainer	1/2"	1	1	1	1	1
5	A05/1	Pipe Nipple	1/2" X 110 mm Long	1	1	----	----	----
5	A05/2	Hex Nipple	1/2"	---	----	1	1	1
6	A06	Elbow	1/2"	3	3	3	3	3
7	A07	Hex Nipple	1/2"	4	4	4	4	4
8	A08	Union	1/2"	1	1	1	1	1
9	A09	Ball Valve	1/2"	1	1	1	1	1
10	A10	Elbow	1/4"	1	1	1	1	1
11	A11	Hex Nipple	1/4"	2	2	2	2	2
12	A12	Gauge Valve	1/4"	2	2	2	2	2
13	A13	Pressure Gauge	1/4"	2	2	2	2	2
14	A14/1	Pipe Nipple	1/2" X 300 mm Long	1	----	----	----	----
14	A14/2	Pipe Nipple	1/2" X 255 mm Long	----	1	----	----	----
14	A14/3	Pipe Nipple	1/2" X 210 mm Long	----	----	1	----	----
14	A14/4	Pipe Nipple	1/2" X 180 mm Long	----	----	----	1	1
15	A15	Emergency Release station	---	1	1	1	1	1
16	A16	Tee	1/2"	1	1	1	1	1
17	A17	Reducing Hex Nipple	1/2" X 1/4"	1	1	1	1	1
18	A19/1	Pipe Nipple	2" X 110 mm Long	1	1	1	---	---
18	A19/2	Pipe Nipple	1 - 1/4" X 110 mm Long	---	---	---	1	1
19	A20/1	Angle Valve	2"	1	1	1	---	---
19	A20/2	Angle Valve	1 - 1/4"	---	---	---	1	1
20	A21/1	Pipe Nipple	1/2" X 150 mm Long	1	1	---	---	---
20	A21/2	Pipe Nipple	1/2" X 130 mm Long	---	---	1	1	1
21	A22/1	Hex Nipple	1"	3	3	3	---	---
21	A22/2	Hex Nipple	3/4"	---	---	---	3	3
22	A23/1	Elbow	1"	1	1	1	---	---
22	A23/2	Elbow	3/4"	---	---	---	1	1
23	A24/1	Reducing Tee	1" X 1/2" X 1"	1	1	1	---	---
23	A24/2	Reducing Tee	3/4" x 1/2" X 3/4"	---	---	---	1	1
24	A25/1	Angle Valve	1"	1	1	1	---	---
24	A25/2	Angle Valve	3/4"	---	---	---	1	1
25	A26	Drip Valve	1/2"	1	1	1	1	1
26/1	A27/1	Funnel	---	1	1	1	1	1
26/2	A27/2	Funnel Holder	---	1	1	1	1	1
27	A28	Plug	1/2"	2	2	2	2	2
28	A29	Pipe Nipple	3/4" X 100 mm Long	1	1	1	1	1
29	A30	Swing Check Valve	3/4"	1	1	1	1	1
30	A31	Hex Nipple	3/4"	1	1	1	1	1

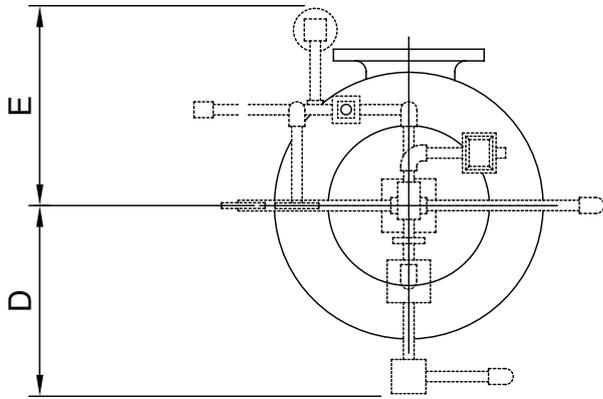
ELECTRIC & HYDRAULIC RELEASE TRIM - SCHEMATIC



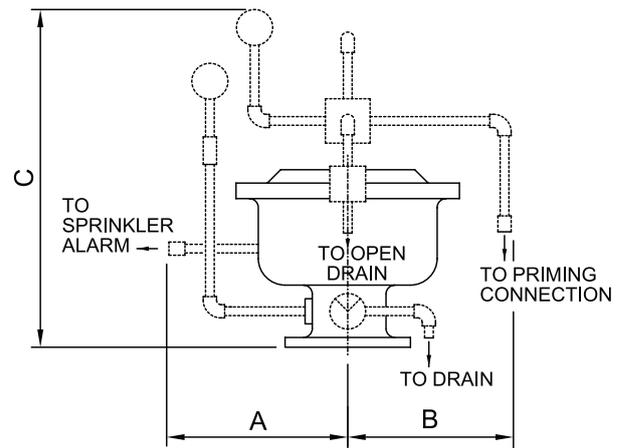
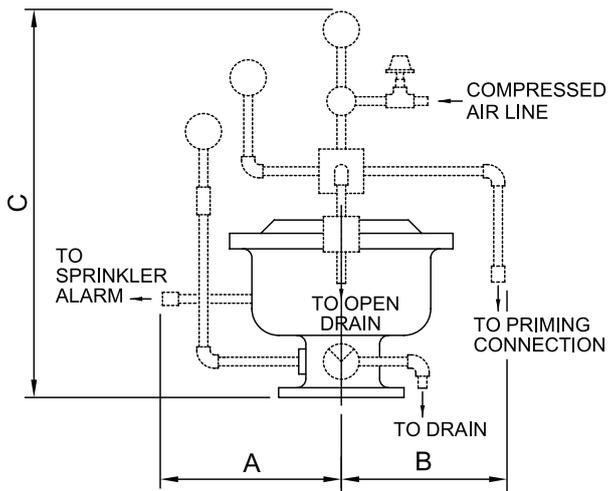
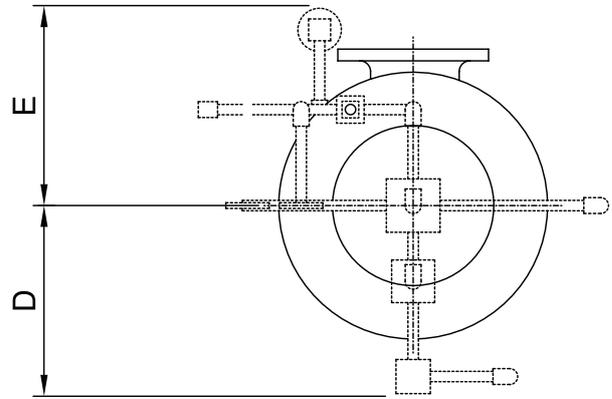
Abbreviation & Symbols

∩	Valve	△	Angle Valve	PS	Pressure Switch	DRV	Drip Valve
NR	Non Return Valve	DV	Deluge Valve	⊞	Stop Valve	F	Funnel
ER	Emergency Release Box	★	Optional	CD	Common Drain	---	By User
M	Six Way Manifold	G	Sprinkler Alarm	SCV	Swing Check Valve	OD	Open Drain
RN	Restriction Nozzle	PG	Pressure Gauge	SV	Solenoid Valve	⊞	Strainer
PDA	Positive Drain Actuator	NO	Normally Open	NC	Normally Closed		

PNEUMATIC AND ELECTRIC RELEASE TRIM



HYDRAULIC AND ELECTRIC RELEASE TRIM



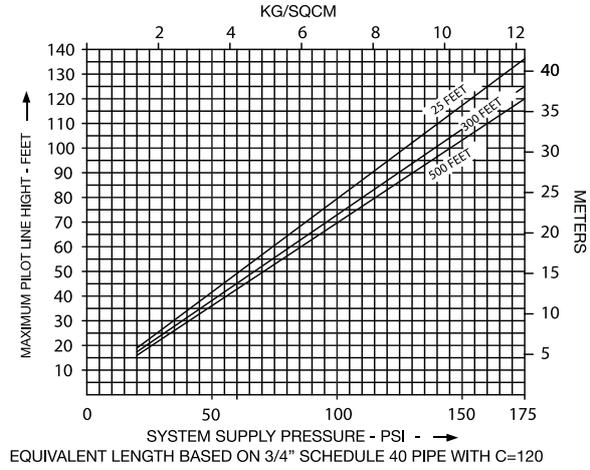
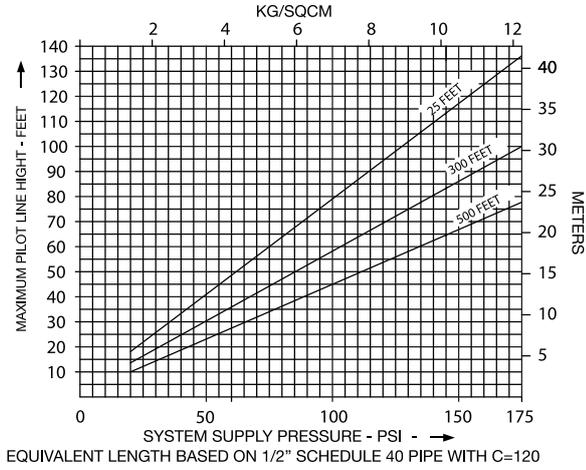
Installation measurement in mm.
(Approximate)

SIZE	200 NB	150 NB	100 NB	80 NB	50 NB
A	390	370	370	350	350
B	525	500	450	450	450
C	1050	1025	950	930	930
D	510	500	450	450	450
E	500	480	420	410	410

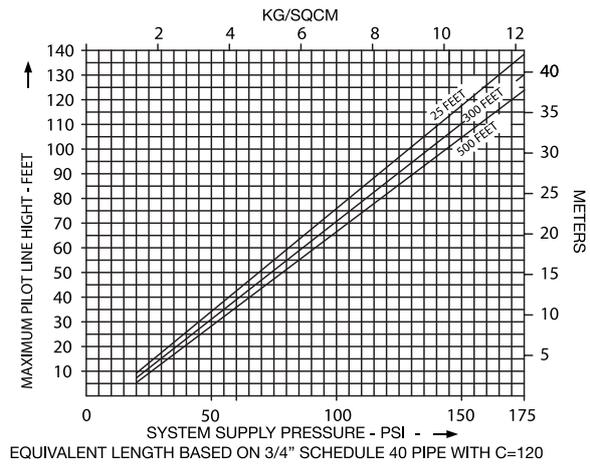
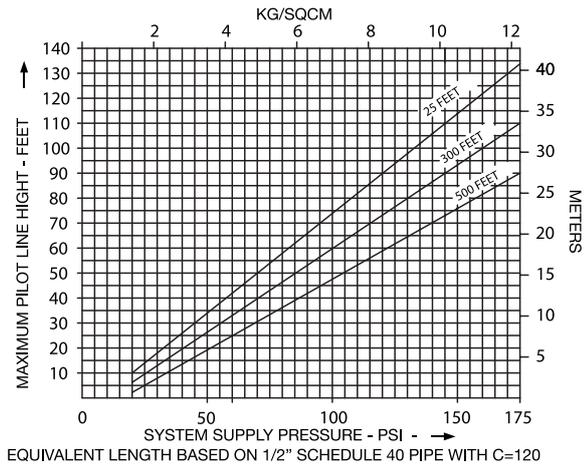
Installation measurement in mm.
(Approximate)

SIZE	200 NB	150 NB	100 NB	80 NB	50 NB
A	390	370	370	350	350
B	525	500	450	450	450
C	875	800	750	700	700
D	510	500	450	450	450
E	500	480	420	410	410

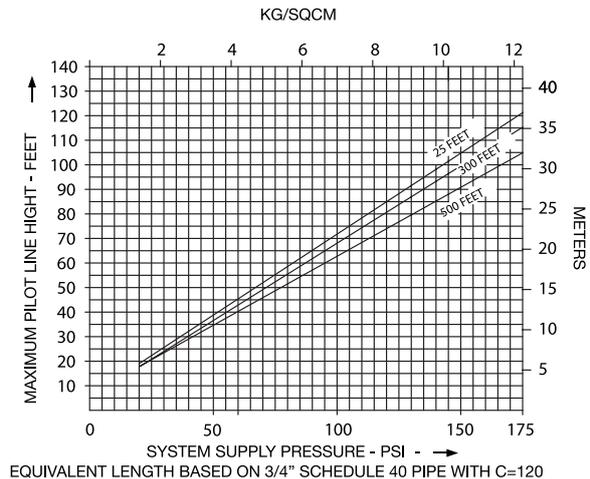
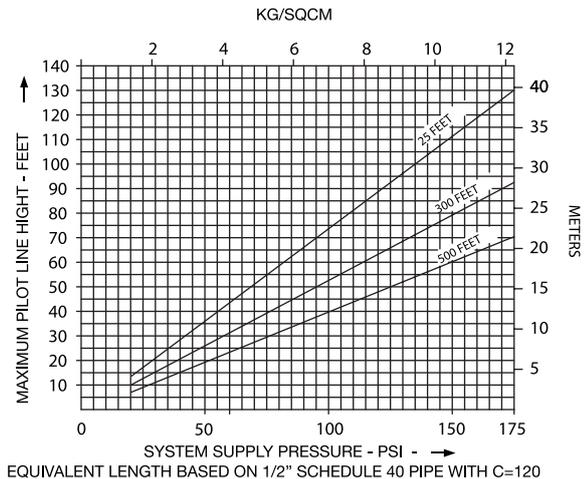
WET PILOT SPRINKLER HEIGHT LIMITATION OF 200 NB



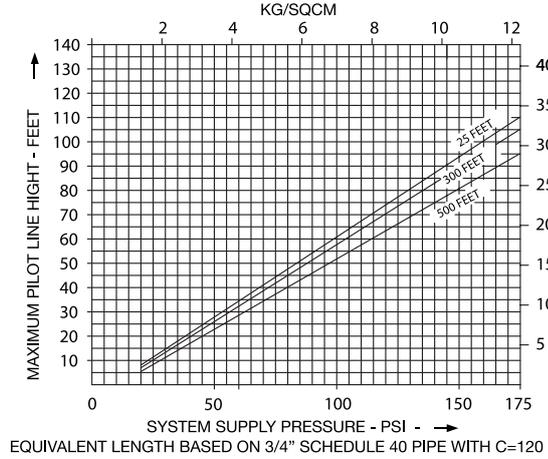
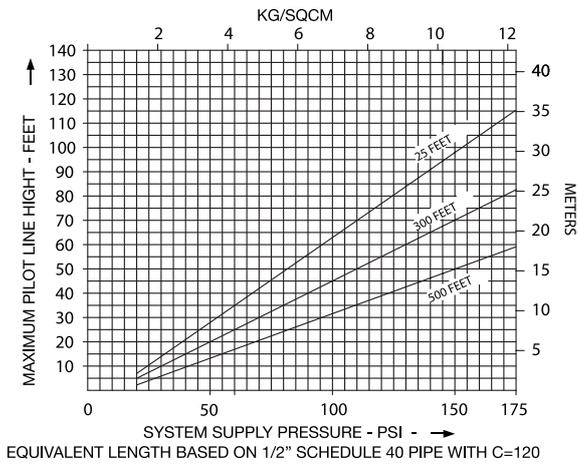
WET PILOT SPRINKLER HEIGHT LIMITATION OF 150 NB



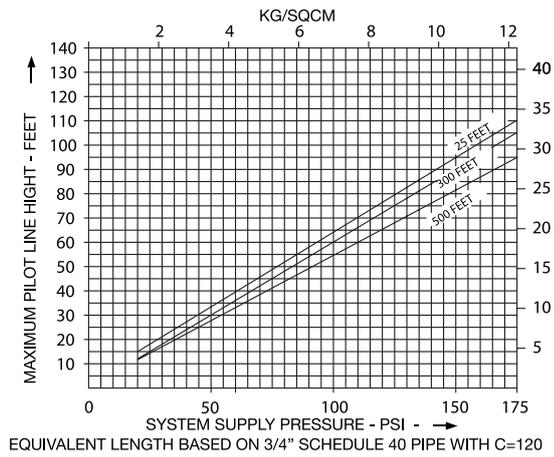
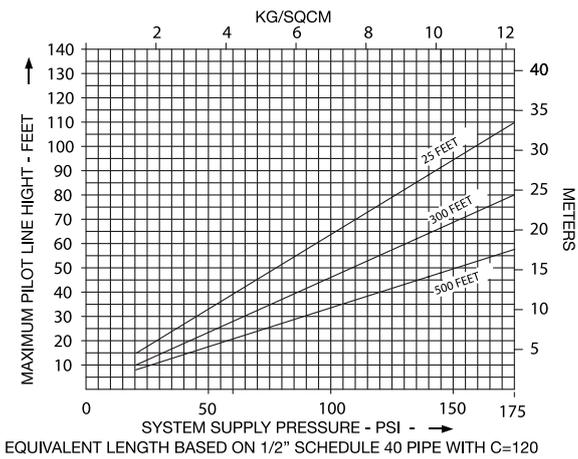
WET PILOT SPRINKLER HEIGHT LIMITATION OF 100 NB



WET PILOT SPRINKLER HEIGHT LIMITATION OF 80 NB

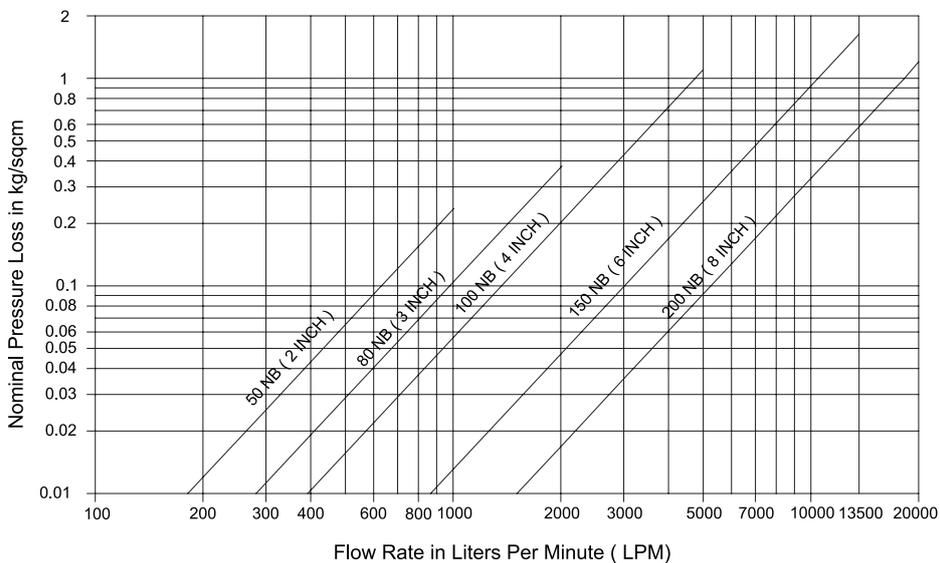


WET PILOT SPRINKLER HEIGHT LIMITATION OF 50 NB



NOMINAL PRESSURE LOSS VS FLOW - DELUGE VALVE MODEL SD-DVA

Nominal Pressure Loss vs Flow - Deluge Valve (Model-SD-DVA)



VLFT.EX6718 - SPECIAL SYSTEM WATER CONTROL VALVES, DELUGE TYPE

Special System Water Control Valves, Deluge Type

See General Information for Special System Water Control Valves, Deluge Type

SHIELD FIRE SAFETY & SECURITY LTD

EX6718

Unit 3, Endeavor Dr

Basildon, Essex SS14 3WF UNITED KINGDOM

SD-DVA with 2, 3, 4, 6 and 8 in. sizes, deluge valves for vertical installation only with a rated pressure of 175 psig. For operation by dry pilot line, manually, electrically or wet pilot line of sprinklers. Height of pilot line above valve limited as shown in the Installation Instructions. For accessories used with these valves, see listing under "Accessories for Special Systems".

SD-DVH with 3, 4 and 6 in. sizes, deluge valves for horizontal or vertical installations only with a rated pressure of 175 psig. For operation by dry pilot line, manually, electrically or wet pilot line of sprinklers. Height of pilot line above valve limited as shown in the Installation Instructions. For accessories used with these valves, see listing under "Accessories for Special Systems".

Model SD-DVC with 2, 3, 4, 6 and 8 in. sizes, deluge valves, pre-assembled, frame mounted, with cabinet for vertical installation only with a rated pressure of 175 psig. For operation by dry pilot line, manually, electrically or wet pilot line of sprinklers. Height of pilot line above valve limited as shown in the Installation Instructions. For accessories used with these valves, see listing under "Accessories for Special Systems".

Models SD-DVH2, SD-DVH3, and SD-DVH5, 2, 3, 4, 6 and 8 in. sizes, deluge valves with flanged and grooved ends for horizontal or vertical installations only with a rated pressure of 250 psig. For operation by dry pilot line, manually, electrically or wet pilot line of sprinklers. Height of pilot line above valve limited as shown in the Installation Instructions. For accessories used with these valves, see listing under "Accessories for Special Systems".

Models SD-DVCH2 and SD-DVCH3 with 2, 3, 4, 6 and 8 in. sizes, deluge valves, pre-assembled, frame mounted, with cabinet for vertical installation only with a rated pressure of 250 psig. For operation by dry pilot line, manually, electrically or wet pilot line of sprinklers. Height of pilot line above valve limited as shown in the Installation Instructions. For accessories used with these valves, see listing under "Accessories for Special Systems".

Models SD-DVH2 and SD-DVH3, 2, 3, 4, 6 and 8 in. sizes, deluge valves rated 250 psig for use with Single Interlock Preaction w/ electric release, Single Interlock Preaction w/ pneumatic release, Single Interlock Preaction w/ Wet pilot release, Double Interlock Preaction w/ electric / electric release and Double Interlock Preaction w/ electric/pneumatic release, installed in accordance with the manufacturer's installation instructions. For accessories used with these valves, see Listing under "Accessories For Special Systems."

Model SV-DVA, 2, 3, 4, 6 and 8 in. sizes, deluge valves for vertical installation only with rated pressure of 175 psig for use with Single Interlock Preaction w/ electric release, Single Interlock Preaction w/ pneumatic release, Single Interlock Preaction w/ Wet pilot release, Double Interlock Preaction w/ electric / electric release and Double Interlock Preaction w/ electric/pneumatic release, installed in accordance with the manufacturer's installation instructions. For accessories used with these valves, see Listing under "Accessories For Special Systems."

Model NF-DVH2C, NF-DVH3C, NF-DVH2S and NF-DVH3S, 2, 3, 4, 6 and 8 in. sizes, deluge valves for vertical installation only with rated pressure of 175 psig for use with Single Interlock Preaction w/ electric release, Single Interlock Preaction w/ pneumatic release, Single Interlock Preaction w/ Wet pilot release, Double Interlock Preaction w/ electric / electric release and Double Interlock Preaction w/ electric/pneumatic release, installed in accordance with the manufacturer's installation instructions. For accessories used with these valves, see Listing under "Accessories For Special Systems."

Trademark and/or Tradename:  ,  , 

Last Updated on 2019-01-15

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