

**3", 4", 6" & 8" MODEL H SERIES
ALARM CHECK VALVE
175 psi / 12 bar
300 psi / 21 bar**



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AG Alarm Check Valve

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General description

AG Fire Sprinkler Corporation Alarm Check Valves are used in wet pipe fire sprinkler systems. They primarily serve a dual purpose in that they prevent a reverse flow of water through their bodies (non-return) and also provide for the use of a hydraulic fire alarm which is not dependent upon an electrical power supply for its operation. Through the use of a hydraulic retard chamber a time delay is provided to eliminate potential false alarms caused by fluctuating water supply pressures. Where constant pressure water supplies are used the retard chamber (time delay) is not necessary. By incorporating the use of electrical pressure switches, other supplemental alarms, annunciators, etc. may also be used.

AG Check Valves are designed and manufactured to the standards and/or requirements of Underwriters Laboratories Inc., EN 12259-2, and Factory Mutual Approvals; The City of New York Department of Buildings, and they conform to the design/usage requirements of NFPA 13.

Important notes

Any alarm check valve should be carefully tested, examined, and cleaned periodically. It is most important to ensure a clean water supply free of debris and solid particles such as sand, gravel, or mud.

If, during the annual inspection of alarm check valves, sediment or free particles of matter are noted, a further examination of internal valve parts becomes necessary.

All deposits should be removed from all operating parts and ports. Vent holes through seat ring and, should be thoroughly cleaned and flushed with clean water.

Where difficulty in performance is experienced, the manufacturer or his authorized representative shall be contacted if any field adjustment is to be made.

Physical data (mm y Kg)

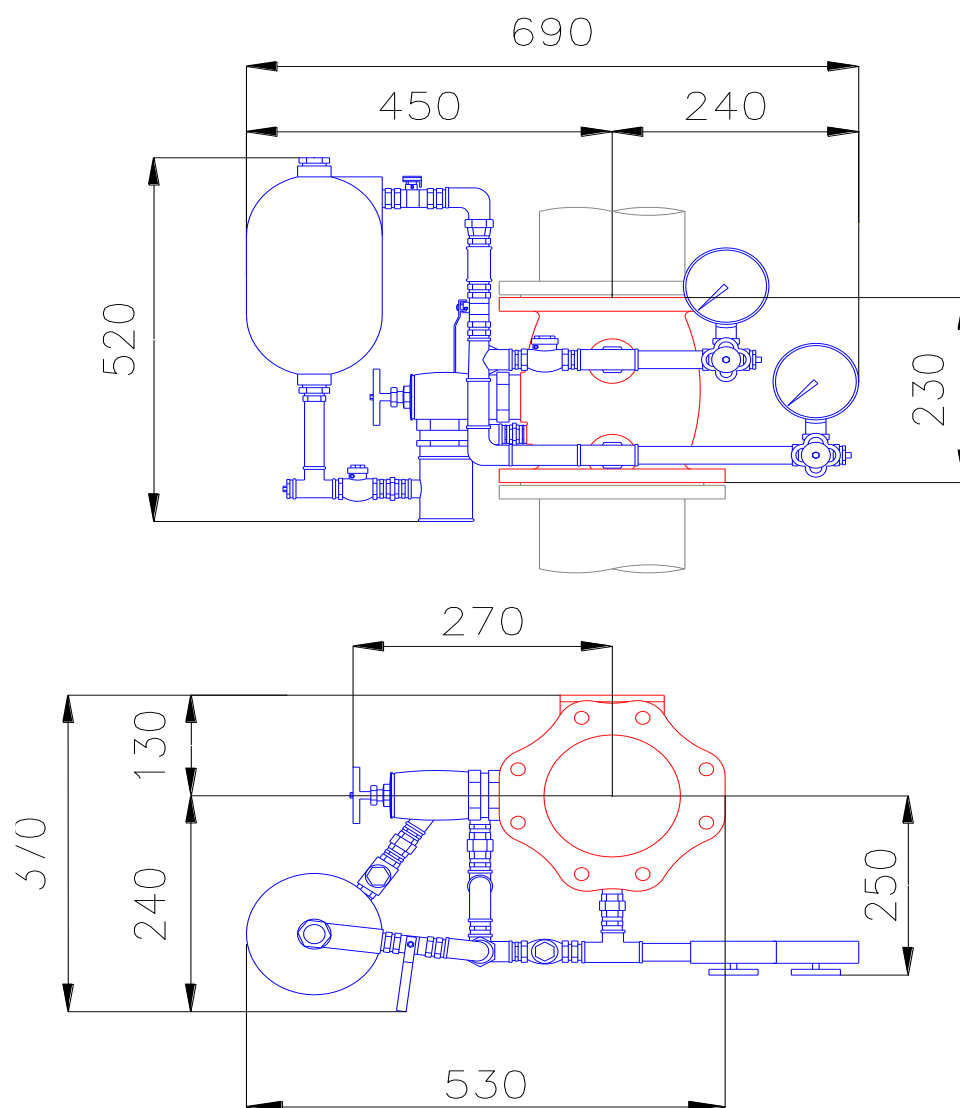
VERTICAL / VARIABLE												
MODEL	H-1				H-2				H-3			
SIZE	3"	4"	6"	8"	3"	4"	6"	8"	3"	4"	6"	8"
Overall Length	230	229	254	353	258	256	297	386	235	242	279	383
Center of valve to Back	254	279	305	330	254	279	305	330	254	279	305	330
Center of valve to Right	343	419	419	419	343	419	419	419	343	419	419	419
Center of valve to Left	203	203	203	203	203	203	203	203	203	203	203	203
Center of valve to center of Drain	235	203	222	222	235	203	222	222	235	203	222	222
Weight of valve	15 Kg	19 Kg	31 Kg	67 Kg	9 Kg	10 Kg	24 Kg	50 Kg	13 Kg	17 Kg	27 Kg	67 Kg
Complete with all Trimmings	37 Kg	40 Kg	52 Kg	87 Kg	26 Kg	31 Kg	43 Kg	72 Kg	34 Kg	38 Kg	45 Kg	89 Kg

VERTICAL / CONSTANT												
MODEL	H-1				H-2				H-3			
SIZE	3"	4"	6"	8"	3"	4"	6"	8"	3"	4"	6"	8"
Overall Length	230	229	254	353	258	256	297	386	235	242	279	383
Center of valve to Back	254	222	248	311	254	222	248	311	254	222	248	311
Center of valve to Right	343	394	413	432	343	394	413	432	343	394	413	432
Center of valve to Left	203	203	203	203	203	203	203	203	203	203	203	203
Center of valve to center of Drain	235	203	222	241	235	203	225	241	235	203	222	241
Weight of valve	15 Kg	19 Kg	31 Kg	67 Kg	9 Kg	10 Kg	24 Kg	50 Kg	13 Kg	17 Kg	27 Kg	68 Kg
Complete with all Trimmings	25 Kg	29 Kg	40 Kg	76 Kg	14,5 Kg	20 Kg	35 Kg	61 Kg	23 Kg	27 Kg	34 Kg	78 Kg

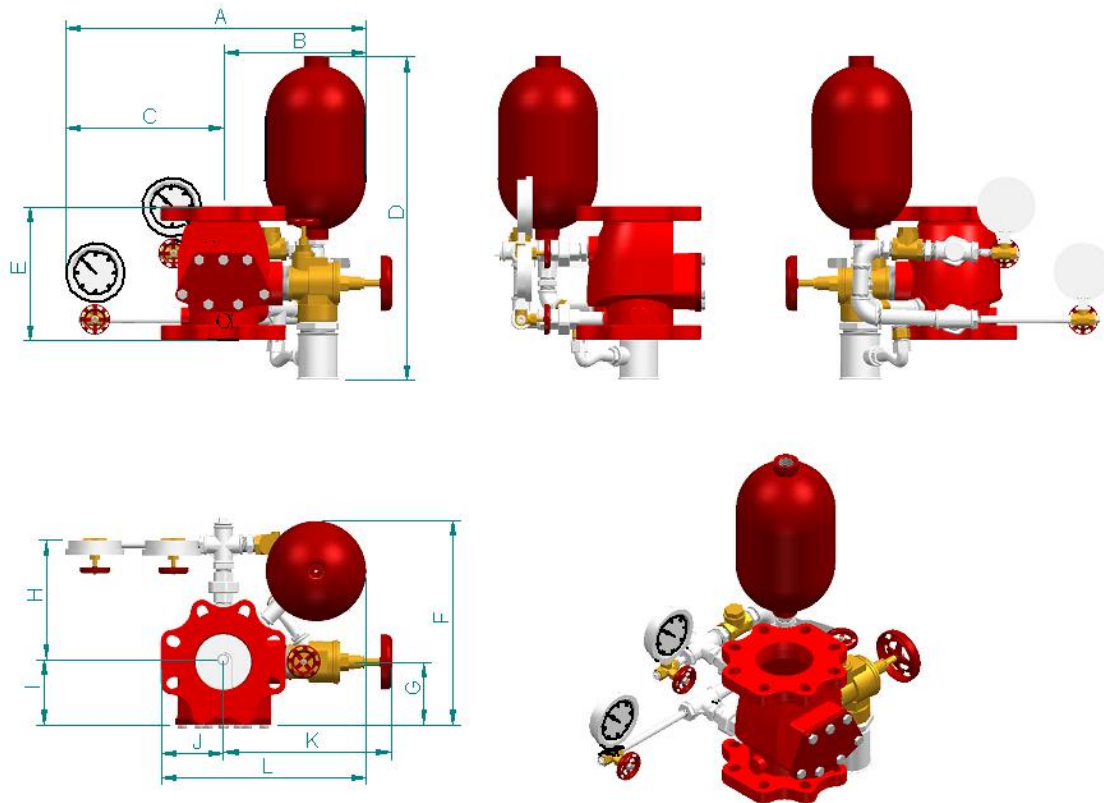
HORIZONTAL / VARIABLE												
MODEL	H-1				H-2				H-3			
SIZE	3"	4"	6"	8"	3"	4"	6"	8"	3"	4"	6"	8"
Overall Length	230	229	254	353	258	256	297	386	235	242	279	383
Center of valve to Back	190,5	686	520	583	190,5	686	520	583	190,5	686	521	583
Center of valve to Right	444,5	432	470	490	444,5	432	470	490	444,5	432	470	490
Center of valve to Left	184	216	305	317	184	216	305	317	184	216	305	317
Center of valve to center of Drain	241	343	356	350	241	343	356	350	241	343	356	350
Weight of valve	15 Kg	19 Kg	31 Kg	67 Kg	9 Kg	10 Kg	24 Kg	50 Kg	13 Kg	17 Kg	27 Kg	68 Kg
Complete with all Trimmings	40 Kg	44 Kg	55 Kg	91 Kg	32 Kg	37 Kg	48 Kg	73 Kg	38 Kg	42 Kg	51 Kg	93 Kg

HORIZONTAL / CONSTANT												
MODEL	H-1				H-2				H-3			
SIZE	3"	4"	6"	8"	3"	4"	6"	8"	3"	4"	6"	8"
Overall Length	230	229	254	353	258	256	297	386	235	242	279	383
Center of valve to Back	190,5	622	495	558	190,5	622	495	558	190,5	622	495	558
Center of valve to Right	444,5	419	394	415	444,5	419	394	415	444,5	419	394	415
Center of valve to Left	184	216	225	237	184	216	225	237	184	216	225	237
Center of valve to center of Drain	311	343	356	354	311	343	356	354	311	343	356	354
Weight of valve	15 Kg	19 Kg	31 Kg	67 Kg	9 Kg	10 Kg	24 Kg	50 Kg	13 Kg	17 Kg	27 Kg	68 Kg
Complete with all Trimmings	27 Kg	31 Kg	43 Kg	79 Kg	32 Kg	24 Kg	36 Kg	61 Kg	25 Kg	29 Kg	39 Kg	80 Kg

— Alarm check valve Dimensions 3" Type A.



Alarm Check valve Dimensions 3 "(Type B), 4", 6 "and 8".

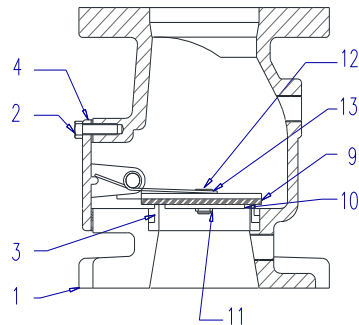


MODEL H1	DIMENSIONS (mm)											
SIZE VALVE	A	B	C	D	E	F	G	H	I	J	K	L
3"	565	270	290	590	230	350	125	220	120	90	300	350
4"	535	245	290	610	229	385	125	275	120	100	300	345
6"	560	270	290	590	254	445	145	300	145	130	320	420
8"	560	270	290	520	353	535	200	355	200	165	355	470

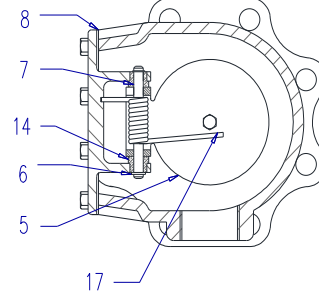
MODEL H2	DIMENSIONS (mm)											
SIZE VALVE	A	B	C	D	E	F	G	H	I	J	K	L
3"	565	270	290	590	258	350	125	220	120	90	300	350
4"	535	245	290	610	256	385	125	275	120	100	300	345
6"	560	270	290	590	297	445	145	300	145	130	320	420
8"	560	270	290	520	386	535	200	355	200	165	355	470

MODEL H3	DIMENSIONS (mm)											
SIZE VALVE	A	B	C	D	E	F	G	H	I	J	K	L
3"	565	270	290	590	235	350	125	220	120	90	300	350
4"	535	245	290	610	246	385	125	275	120	100	300	345
6"	560	270	290	590	279	445	145	300	145	130	320	420
8"	560	270	290	520	383	535	200	355	200	165	355	470

3", 4" & 6" Alarm check valve assembly.



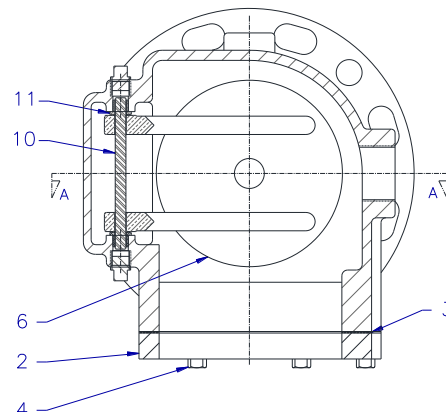
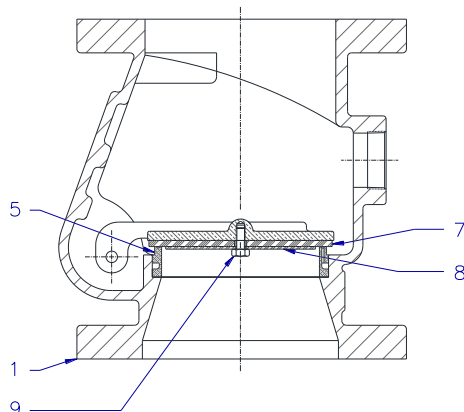
Left side view



Top view

ART	DESCRIPTION	MATERIAL	REF. 3"	REF. 4"	REF. 6"
1	Body H-1	Cast Iron ASTM A48 (175 psi) Ductil Iron ASTM A536 (300 psi)	323803 323803D	323502 323502D	323562 323562D
	Body H-2	Cast Iron ASTM A48 (175 psi) Ductil Iron ASTM A536 (300 psi)	323827 323827D	323552 323552D	32666 32666D
	Body H-3	Cast Iron ASTM A48 (175 psi) Ductil Iron ASTM A536 (300 psi)	323807 323807D	323542 323542D	323592 323592D
2	Cover Bolt	Steel	323408	323509	323569
3	Seat Ring	Bronze	323809	323504	323564
4	Cover	Cast Iron ASTM A48 (175 psi) Ductil Iron ASTM A536 (300 psi)	323805 323805D	323507 323507D	323567 323567D
5	Clapper	Stainless Steel	323814	323510	323570
6	Retaining Ring	Stainless Steel	323527	323517	323517
7	Hinge Pin	Stainless Steel	323818	323516	323516
8	Cover Gasket	Vellumoide	323810	323508	323568
9	Clapper Facing Disc	EPDM	323815	323511	323571
10	Disc Retainer	Stainless Steel	323816	323512	323572
11	Lock Nut	Stainless Steel	323514	323514	323514
12	Disc Retainer Bolt	Stainless Steel	323817	323513	323573
13	Sealing Washer	Hard Fiber	323515	323515	323515
14	Hinge Pin Bushing	Bronze	323819	323518	323518
15	Name Plate	Aluminum	323480	323480	323480
16	Drive Screw	Stainless Steel	323520	323520	323520
17	Torsion Spring	Stainless Steel	323528	323528	323565
18	Spring Bushing	Brass	-	-	323579

8" Alarm check valve assembly.



Vista lateral

Vista superior

ART	DESCRIPTION	MATERIAL	REF. 8"
1	Body H-1	Cast Iron ASTM A48 (175 psi) Ductil Iron ASTM A536 (300 psi)	323832 323832D
	Body H-2	Cast Iron ASTM A48 (175 psi) Ductil Iron ASTM A536 (300 psi)	323858 323858D
	Body H-3	Cast Iron ASTM A48 (175 psi) Ductil Iron ASTM A536 (300 psi)	323851 323851D
2	Cover	Cast Iron ASTM A48 (175 psi) Ductil Iron ASTM A536 (300 psi)	323835 323835D
3	Cover Gasket	Rubber	323833
4	Cover Bolt	Steel	323839
5	Seat Ring	Bronze	323837
6	Clapper	Bronze	323841
7	Clapper Disc	EPDM	323842
8	Disc Retainer	Stainless	323843
9	Disc Retainer Bolt	Stainless	323838
10	Hinge Pin	Stainless	323845
11	Hinge Pin Bushing	Bronze	323846

Testing and Maintenance

Reference

NFPA 25, Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems.

Testing

Before proceeding with any tests involving water flow, certain precautions need to be taken.

1. Check the location where the test connection discharges to make sure that all is clear and that there is no possibility of the water flow causing damage or injury.
2. Check the end of the test connection to make sure that it is unobstructed. To obtain a satisfactory test, there must be an unrestricted flow of water when the test valve is wide open.
3. Check for alarm connections to a central station or fire department. If such connections are found, give proper notice to the signal receiving station before proceeding with the test.

Note: A main drain test will also operate local fire alarms -unless they are temporarily shut off.

Testing alarm valve and waterflow alarm devices

NFPA 25 recommends that the alarm valve and its waterflow alarm devices be tested at least quarterly.

The primary way to test this equipment is by opening the Inspectors Test Connection. This connection, generally located at the highest and most remote point on the system in relation to

the alarm valve, consists of a test orifice and controlling globe valve. Opening of the globe valve (Inspectors Test Valve), and the subsequent discharge of water through the test orifice, simulates the operation of a sprinkler. Therefore, alarm devices should sound and/or operate when the Inspectors Test Valve is opened.

An alternate means of testing waterflow alarm devices is to open the Alarm Test Valve provided as part of the alarm valve trim. It must be noted, however, that opening of this valve only tests the alarms; it does not test the operation of the alarm valve. This means of testing, therefore, should only be used when weather conditions or other circumstances prohibit using the Inspectors Test Connection.

Note: If alarms connect to a central station or fire department, notify the signal receiving station when all tests have been completed.

Flow Test at Main Drain Valve (Main Drain Test)

NFPA 25 recommends that a water flow test be made quarterly from the main drain valve at the system riser. The purpose of this test is to show whether or not the normal water supply is available to the system. By comparing static and residual pressure readings with those previously established, a main drain test can indicate the possible presence of closed valves or other obstructions in the supply piping.

The procedure for conducting a Main Drain Test is as follows:

1. With the Main Drain Valve closed, note and record the reading on the lower Pressure Gauge at the Alarm Valve.
2. Open the Main Drain Valve slowly until it is wide open. Then, check to make sure that a full steady flow of water is discharging from the main drain pipe.

Note: If a full steady stream is not discharging, check the main drain piping further for possible obstructions.

3. Allow the water to flow until the reading on the lower Pressure Gauge drops and stabilizes. Then, record this reading.

Note: The first and higher pressure reading is the static pressure. The second, lower reading is the residual pressure with a given flow discharging from the main drain pipe.

4. Close the Main Drain Valve slowly.

Caution: If alarms have been temporarily shut off, they must be returned to service. If alarms connect to a central station or fire department, notify the signal receiving station when the test has been completed.

5. Compare both pressure readings with previously established or normal readings.

Note: If the readings compare favorably, the water supply may be considered satisfactory. If, however, the pressure readings vary to any great extent, the condition should be investigated to determine the cause. Some possible causes are:

- Partially or totally closed system control valves.
- Clogged or frozen water mains.
- Serious leakage at valves or mains.

■ Maintenance

The AG Alarm Check Valve and its related equipment should be examined periodically to ensure proper operation and trouble-free service. Several areas to be routinely inspected are:

Clapper Facing. The rubber clapper facing should be checked for wear or damage, and to determine that it is free of dirt and other foreign substances. If found to be worn or damaged (e.g., foreign matter imbedded in the surface), the facing should be replaced. If it is dirty, it should be cleaned, but compounds which could damage the rubber facing must never be used.

Seat Ring. The seat ring should be checked for nicks and for stones, dirt or other foreign matter lodged in the grooves or holes. It should be cleaned thoroughly. If the seat ring is found to be severely damaged, the complete alarm valve assembly should be replaced or returned to AG for possible reconditioning.

By-Pass Check Valve. The ¾" check valve in the external by-pass should be checked for clapper and seat condition.

Retard Chamber. The outlet plug and drain plug assemblies should be checked for obstructions. The filter screens should be cleaned thoroughly.

Alarm Test Valve, Main Drain Valve & Inspectors. All controlling valves which are normally closed when the alarm valve is in the set position should be checked to be sure that they are fully closed and not leaking.

Alarm Valve & Trim. The overall setup should be checked for visible leaks and possible physical damage to the valve and connections (e.g., broken gauges).

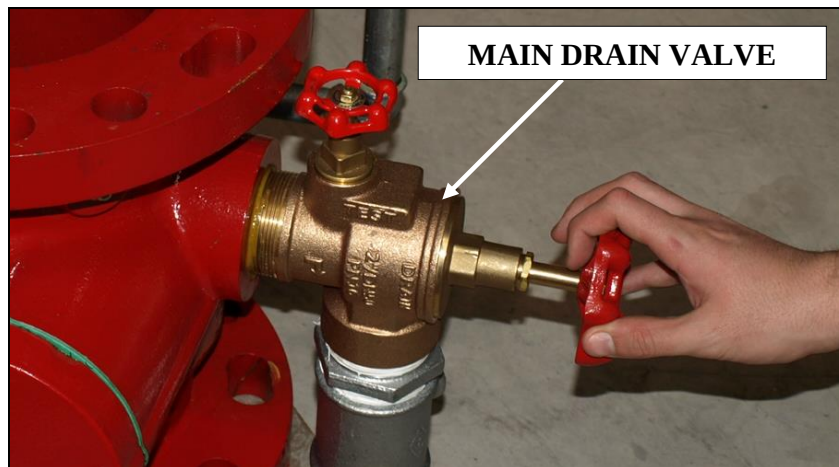
■ Resetting of System

The AG Alarm Check Valve is self-setting when testing procedures are followed. When sprinklers operate, however, there are certain procedures which must be followed for restoring the system to service.

1. Close the System Control Valve (Gate, butterfly or other).

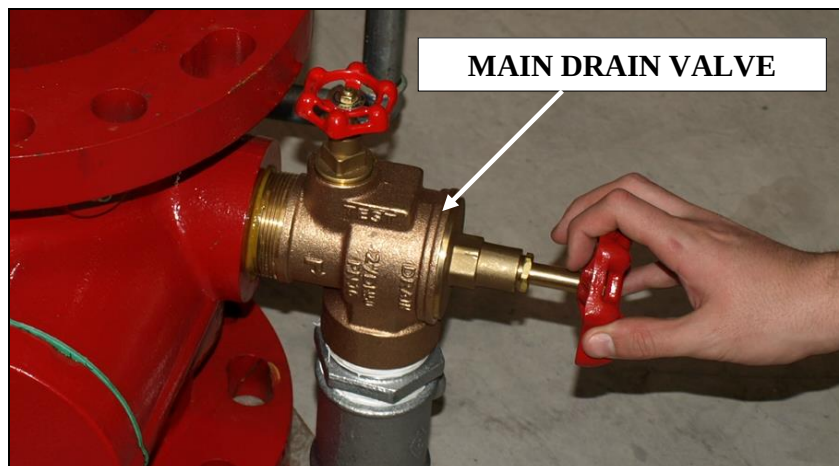
Caution: In the event of a fire, the system control valve is to be closed only after it has been determined, positively, that the fire has been extinguished.

2. Open bigger wheel of main drain valve.



Note: It is necessary to drain the system only as required to allow for sprinkler replacement.

3. Replace the sprinklers which have operated.
4. Close the Main Drain Valve



5. Open the Inspectors Test Valve.

Note: This valve is opened to permit air to be vented from the system as it is being filled with water.

6. Slowly open the System Control Valve

Caution: Open the valve only partially at the start of water flow into the system. Do not open it fully at this point. To do so may cause a water hammer to occur which could either damage the piping or trap large volumes of air within the system.

Note: It is normal that during water filling, water flow by the drainage through the alarm circuit, although the main drain valve is fully closed, until the entire circuit is pressurized and the clapper is closed.

7. Continue filling the system until water discharges in a continuous stream from the Inspectors Test Connection.

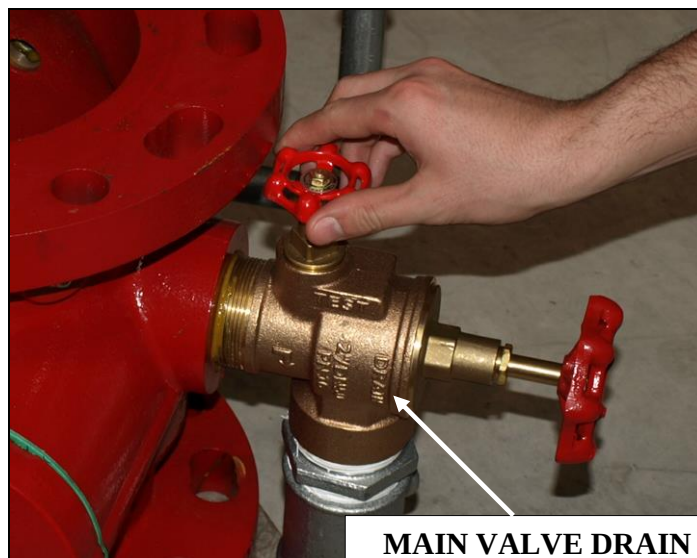
8. Close the Inspectors Test Valve.

9. Turn the System Control Valve to its full open position, at the same time observing the Pressure Gauges.

Note: The system is filled when both gauges are steady and have the same pressure reading.

10. Conduct a Main Drain Test to make sure the water supply is satisfactory (see flow test at main drain valve).

11. Open the small steering wheel drain valve for alarm testing.



12. Conduct a test of the alarm devices (see Testing Alarm and Waterflow Alarm Devices).

13. Seal, lock, or otherwise secure the System Control Valve and Alarm Control Valve in an open position (per NFPA 25).

14. If alarms connect to a central station or fire department, notify the signal receiving station that the system has been returned to service.

3" Model H series vertical position/variable and constant pressure trim

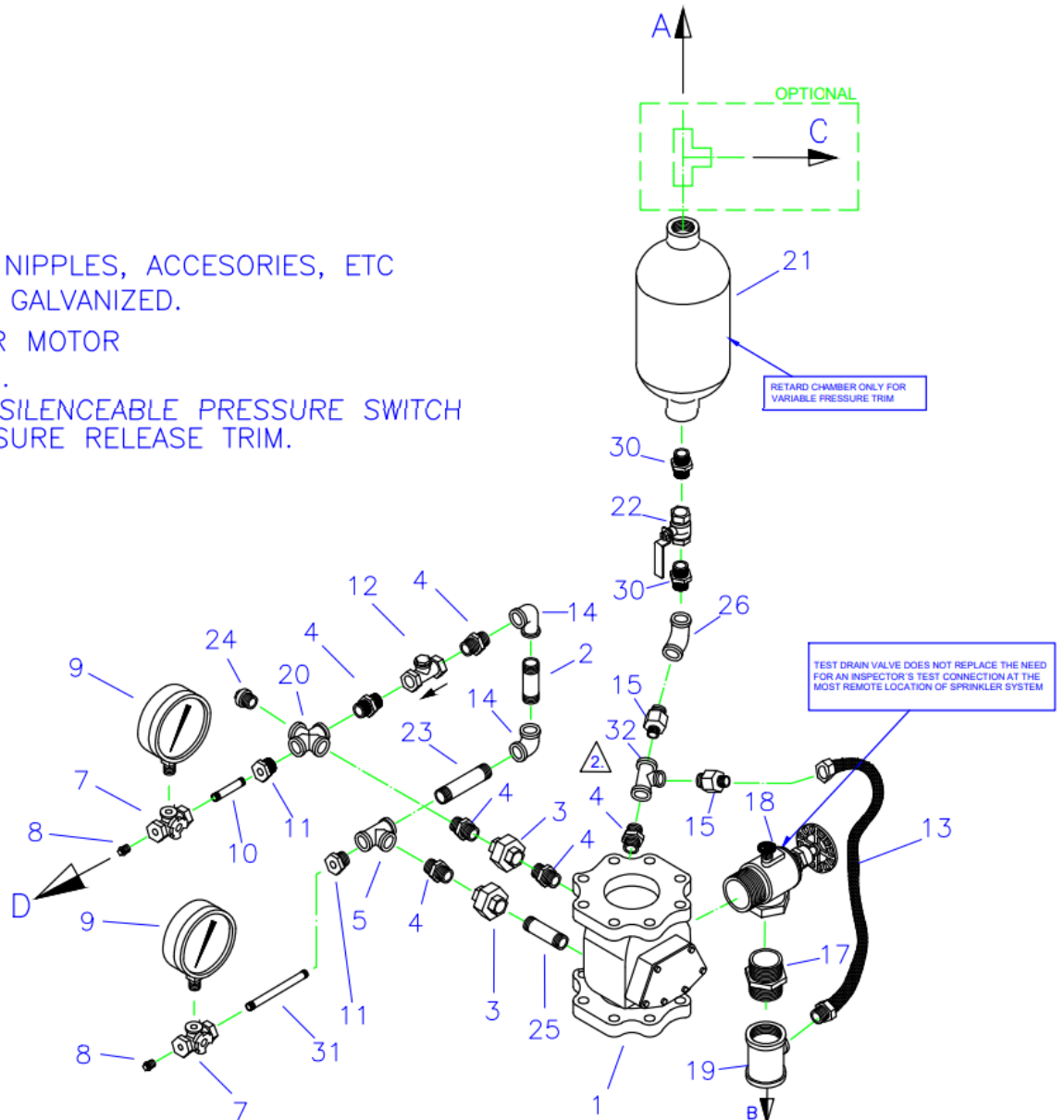
NOTE: ALL NIPPLES, ACCESORIES, ETC
ARE GALVANIZED.

A- WATER MOTOR

B- DRAIN.

C- NON SILENCEABLE PRESSURE SWITCH

D- PRESSURE RELEASE TRIM.

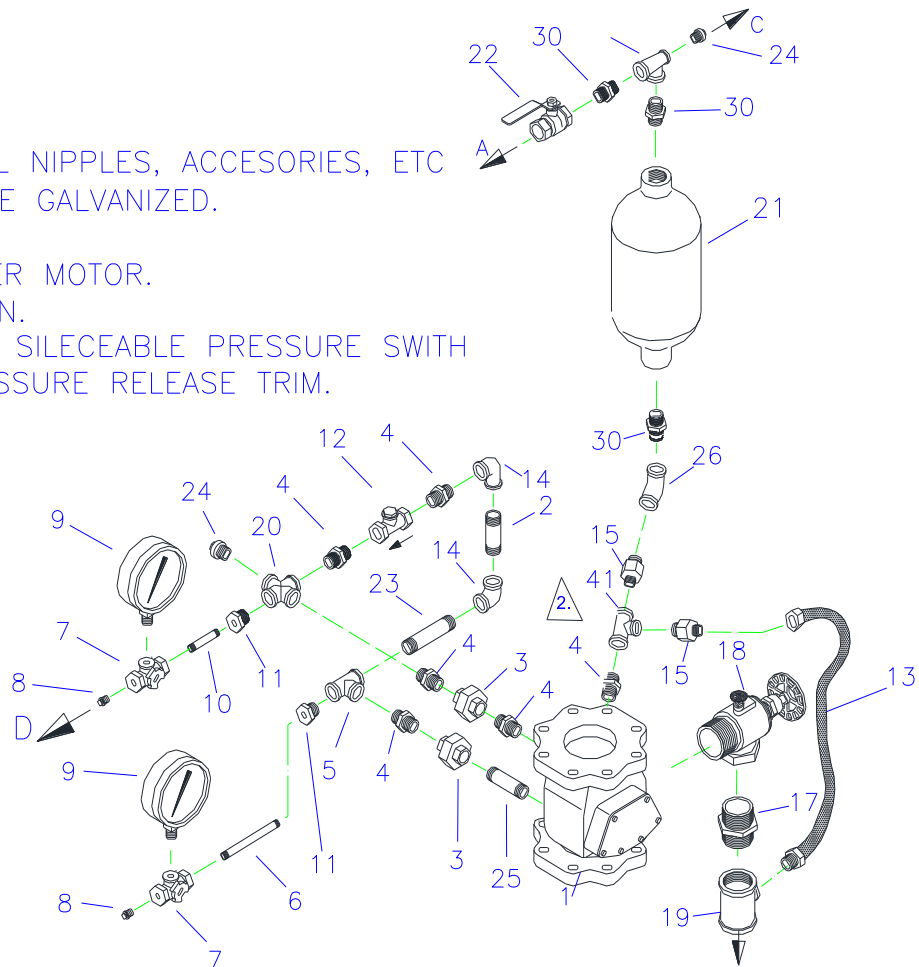


Nº	DESCRIPCIÓN	UD	Nº	DESCRIPCIÓN	UD	Nº	DESCRIPCIÓN	UD
1	BODY VALVE	1	10	1/4" x 50 mm NIPPLE	1	20	1/2" CROSS	1
2	1/2" x 85 mm NIPPLE	1	11	1/2" - 1/4" RED NUT	2	21	RETARD CHAMBER	1
3	1/2" UNION NUT	2	12	1/2" RETAINER VALVE	1	22	3/4" BALL VALVE	1
4	1/2" CLOSE NIPPLE	7	13	M/F FLEX STEEL TUBIN 1/2"	1	23	1/2" x 110 mm NIPPLE	1
5	1/2" TEE	2	14	ELBOW 1/2"	3	24	1/2" PLUG	1
6	1/4" x 180 mm NIPPLE	1	15	ORIFICE DRAIN 1/2" - 3/4"	2	25	1/2" x 65 mm NIPPLE	1
7	1/4" 3-WAY VALVE	2	17	1 1/4" CLOSE NIPPLE	1	26	3/4" ELBOW	1
8	1/4" PLUG	2	18	1 1/4" DRAIN VALVE	1	30	3/4" CLOSE NIPPLE	2
9	GAUGE	2	19	1 1/4" - 3/4" - 1 1/4" TEE	1	31	1/4" x 120mm NIPPLE	1
						32	1/2" - 3/4" - 1/2" TEE	1

3" Model H series vertical position EUROTRIM.

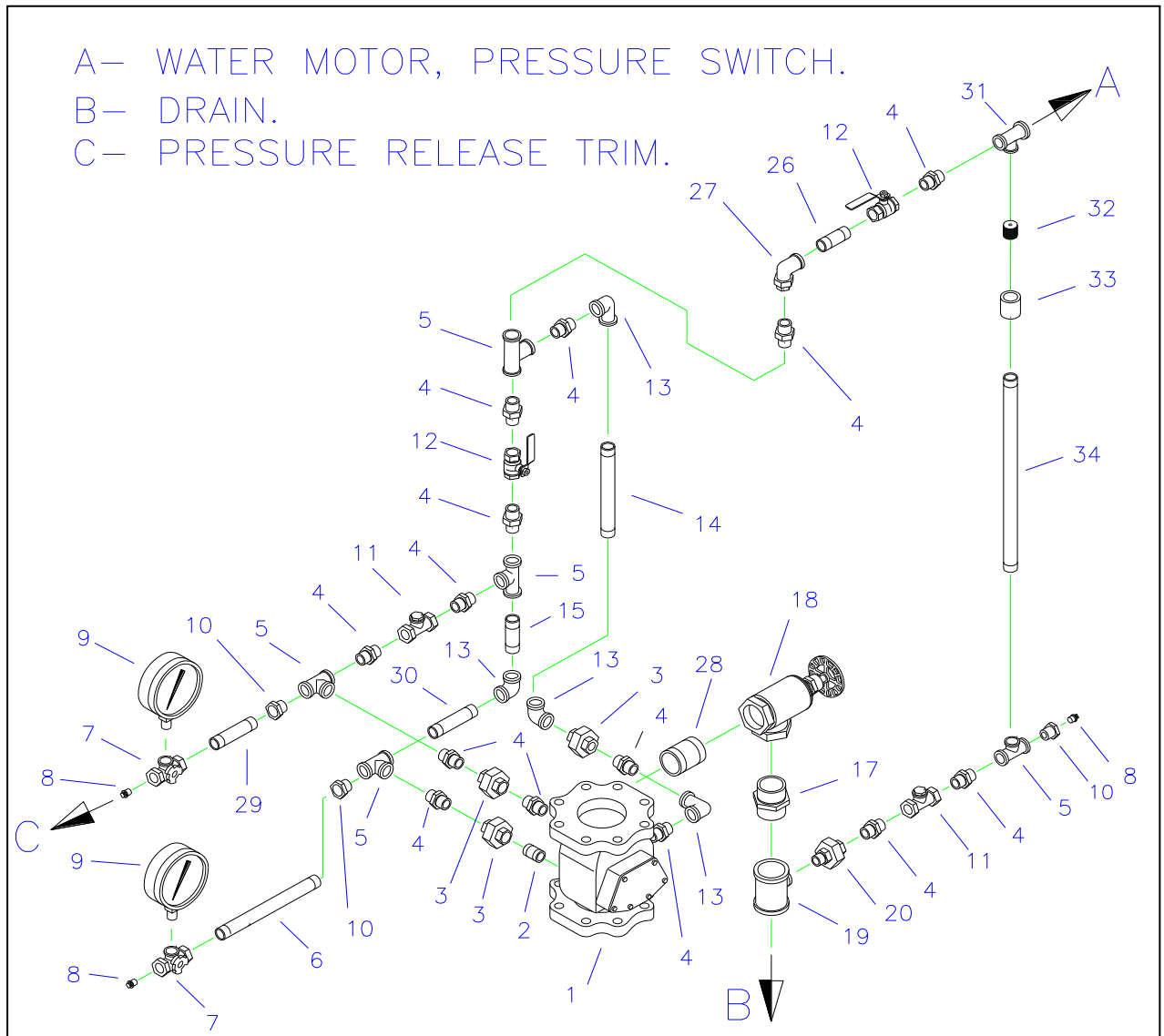
NOTE: ALL NIPPLES, ACCESORIES, ETC
ARE GALVANIZED.

A- WATER MOTOR.
B- DRAIN.
C- NON SILECEABLE PRESSURE SWITCH
D- PRESSURE RELEASE TRIM.



N°	DESCRIPCIÓN	UD	N°	DESCRIPCIÓN	UD	N°	DESCRIPCIÓN	UD
1	BODY VALVE	1	10	1/4" x 50 mm NIPPLE	1	21	RETARD CHAMBER	1
2	1/2" x 85 mm NIPPLE	1	11	1/2"-1/4" RED. NUT	2	22	3/4" BALL VALVE	1
3	1/2" UNION NUT	2	12	1/2" RETAINER VALVE	1	23	1/2" x 110 mm NIPPLE	1
4	1/2" CLOSE NIPPLE	7	13	M/F FLEX STEEL TUBIN 1/2"	1	24	1/2" PLUG	2
5	1/2" TEE	2	14	1/2" ELBOW	3	25	1/2" x 65 mm NIPPLE	1
			15	1/2"-3/4" ORIFICE DRAIN	2	26	3/4" ELBOW	1
7	1/4" 3-WAYS VALVE	2	17	1 1/4" CLOSE NIPPLE	1	30	3/4" CLOSE NIPPLE	3
8	1/4" PLUG	2	18	1 1/4" DRAIN VALVE	1	31	1/4" x 120 mm NIPPLE	1
9	GAUGE	2	19	1 1/4" - 3/4" - 1 1/4" TEE	1	40	1/2" - 3/4" - 3/4" TEE	1
			20	1/2" CROSS	1	41	1/2" - 3/4" - 1/2" TEE	1

3" Model H series vertical position/constant pressure trim.



Nº	DESCRIPCIÓN	UD	Nº	DESCRIPCIÓN	UD	Nº	DESCRIPCIÓN	UD
1	BODY VALVE	1	11	1/2" RETAINER VALVE	2	27	UNION NUT ELBOW 1/2"	1
2	1/2" x 60 mm NIPPLE	1	12	1/2" BALL VALVE	2	28	1 1/2" x 80 mm NIPPLE	1
3	1/2" UNION NUT	3	13	1/2" ELBOW	4	29	1/4" x 50 mm NIPPLE	1
4	1/2" CLOSE NIPPLE	14	14	1/2" x 215 mm NIPPLE	1	30	1/2" x 110 mm NIPPLE	1
5	1/2" TEE	5	15	1/2" x 90 mm NIPPLE	1	31	1/2" - 1/2" - 1/4" TEE	1
6	1/4" x 180 mm NIPPLE	1	17	1 1/2" CLOSE NIPPLE	1	32	1/2" COUPLING	1
7	1/4" 3-WAYS VALVE	2	18	1 1/2" DRAIN VALVE	1	33	1/2" UNION H-H	1
8	1/4" PLUG	3	19	1 1/2" - 1/2" - 1/2" TEE	1	34	1/2" x 250 mm NIPPLE	1
9	GAUGE	2	20	1/2" UNION NUT	1			
10	1/2" - 1/4" RED. NUT	3	26	1/2" x 70 mm NIPPLE	1			

3" Model H series horizontal position/variable and constant pressure trim.

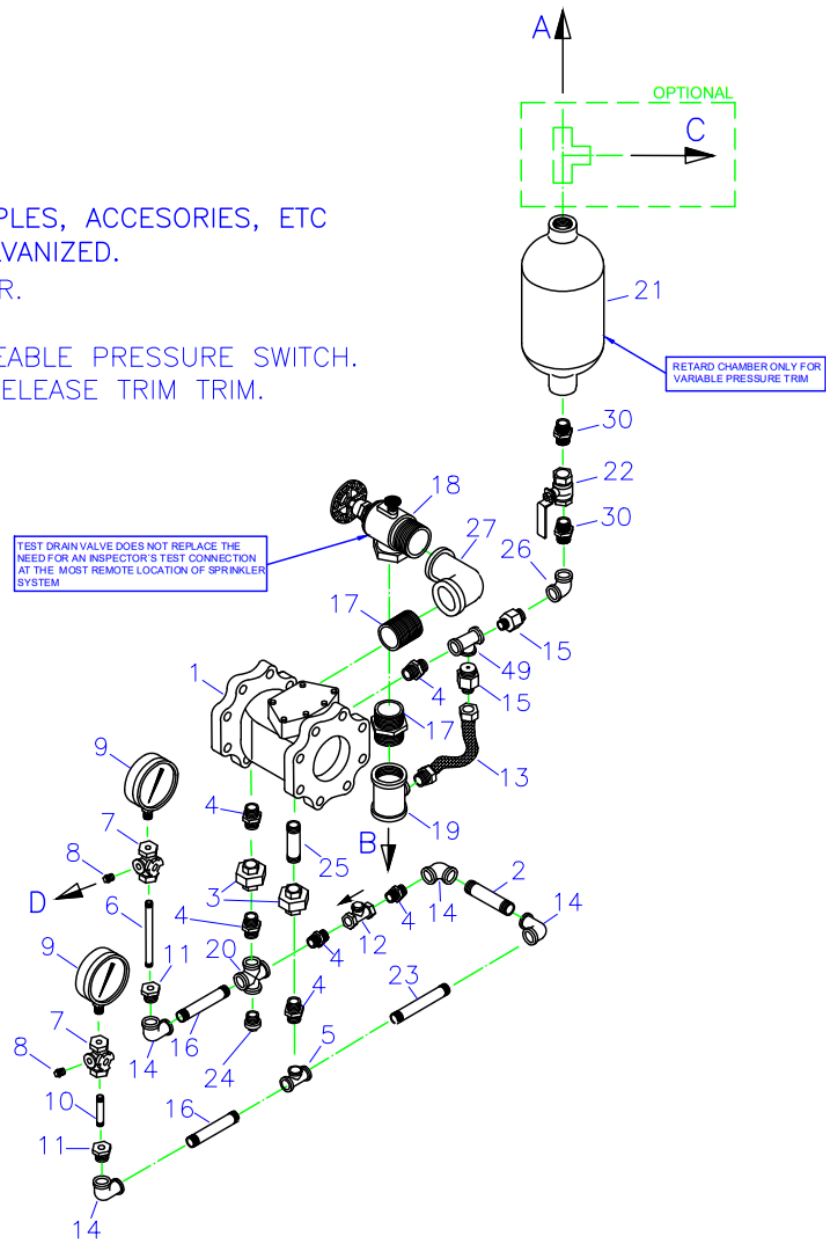
NOTE: ALL NIPPLES, ACCESORIES, ETC
ARE GALVANIZED.

A- WATER MOTOR.

B- DRAIN.

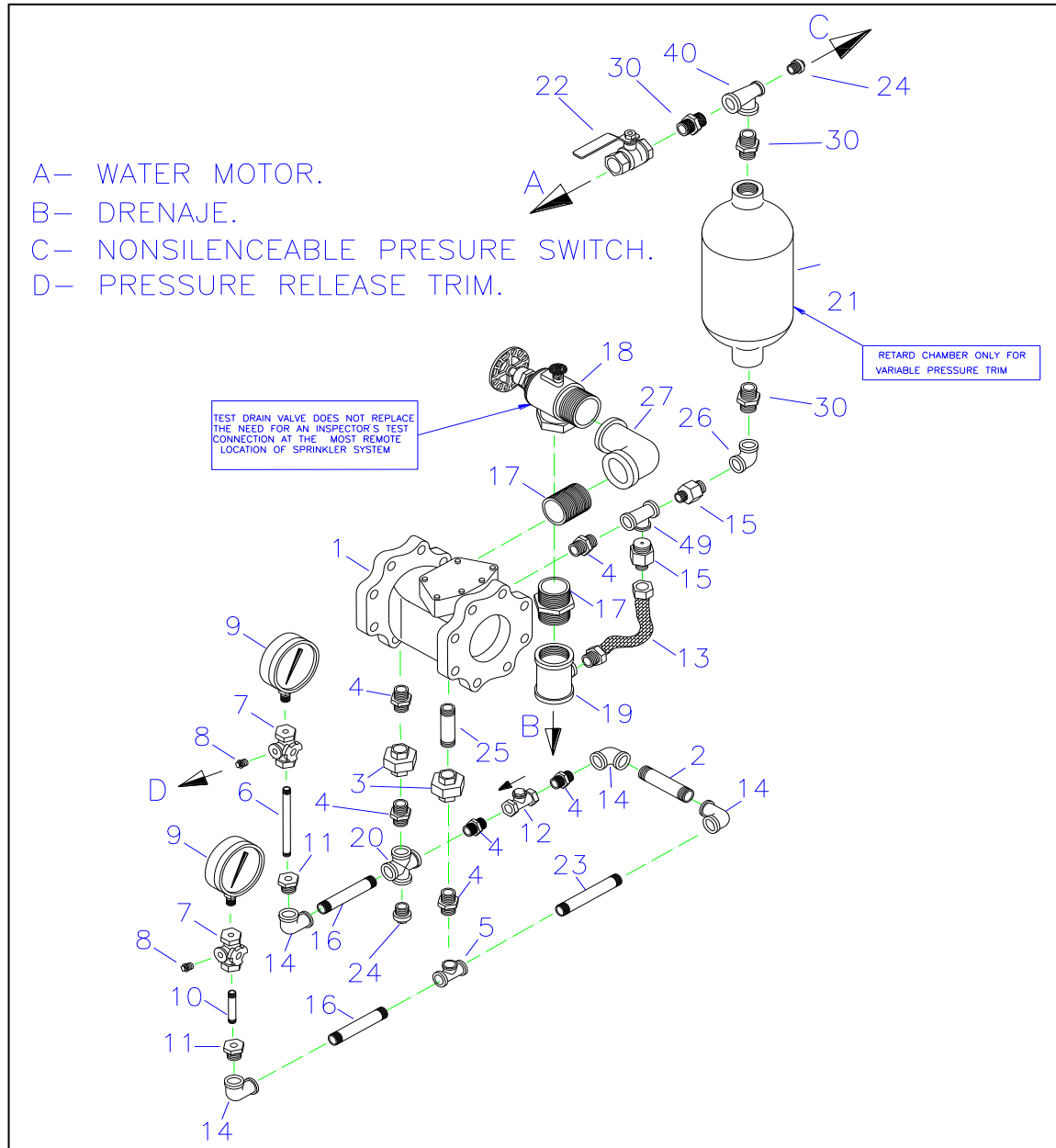
C- NON SILENCEABLE PRESSURE SWITCH.

D- PRESSURE RELEASE TRIM TRIM.



Nº	DESCRIPCIÓN	UD	Nº	DESCRIPCIÓN	UD	Nº	DESCRIPCIÓN	UD
1	BODY VALVE	1	11	1/2" - 1/4" RED. NUT	2	21	RETARD CHAMBER	1
2	1/2" x 85 mm NIPPLE	1	12	1/2" RETAINER VALVE	1	22	3/4" BALL VALVE	1
3	1/2" UNION NUT	2	13	M/F FLEX STEEL TUBIN 1/2"	1	23	1/2" x 110 mm NIPPLE	1
4	1/2" CLOSE NIPPLE	6	14	1/2" ELBOW	4	24	1/2" PLUG	1
5	1/2" TEE	1	15	ORIFICE DRAIN 1/2" - 3/4"	2	25	1/2" x 65 mm NIPPLE	1
6	1/4" x 180 mm NIPPLE	1	16	1/2" x 130 mm NIPPLE	2	26	3/4" ELBOW	1
7	1/4" 3-WAYS VALVE	2	17	1 1/4" CLOSE NIPPLE	2	27	1 1/4" ELBOW	1
8	1/4" PLUG	2	18	1 1/4" DRAIN VALVE	1	30	3/4" CLOSE NIPPLE	2
9	GAUGE	2	19	1 1/4" - 1/2" - 1 1/4" TEE	1	49	1/2" - 3/4" - 1/2" TEE	1
10	1/4" x 50 mm NIPPLE	1	20	1/2" CROSS	1			

3" Model H series horizontal position/variable and constant pressure EUROTRIM



Nº	DESCRIPCIÓN	UD	Nº	DESCRIPCIÓN	UD	Nº	DESCRIPCIÓN	UD
1	BODY VALVE	1	11	½"-¼"RED NUT	2	21	RETARD CHAMBER	1
2	½" x 85 mm NIPPLE	1	12	½"RETAINER VALVE	1	22	¾" BALL VALVE	1
3	½"UNION NUT	2	13	M/F FLEX STEEL TUBIN ½"	1	23	½" x 110 mm NIPPLE	1
4	½" CLOSE NIPPLE	6	14	½" ELBOW	4	24	½" PLUG	2
5	½"TEE	1	15	½"-¾"	2	25	½" x 65 mm NIPPLE	1
6	¼" x 180 mm NIPPLE	1	16	½" x 130 mm NIPPLE	2	26	¾"ELBOW	1
7	¼"3-WAY VALVE	2	17	1 ¼"CLOSE NIPPLE	2	27	1 ¼"ELBOW	1
8	¼" PLUG	2	18	1 ¼"DRAIN VALVE	1	30	¾"CLOSE NIPPLE	3
9	GAUGE	2	19	1 ¼" - ½" - 1 ¼"TEE	1	40	½"- ¾" - ¾"TEE	1
10	¼" x 50 mm NIPPLE	1	20	½"CROSS	1	49	½"- ¾" - ½"TEE	1

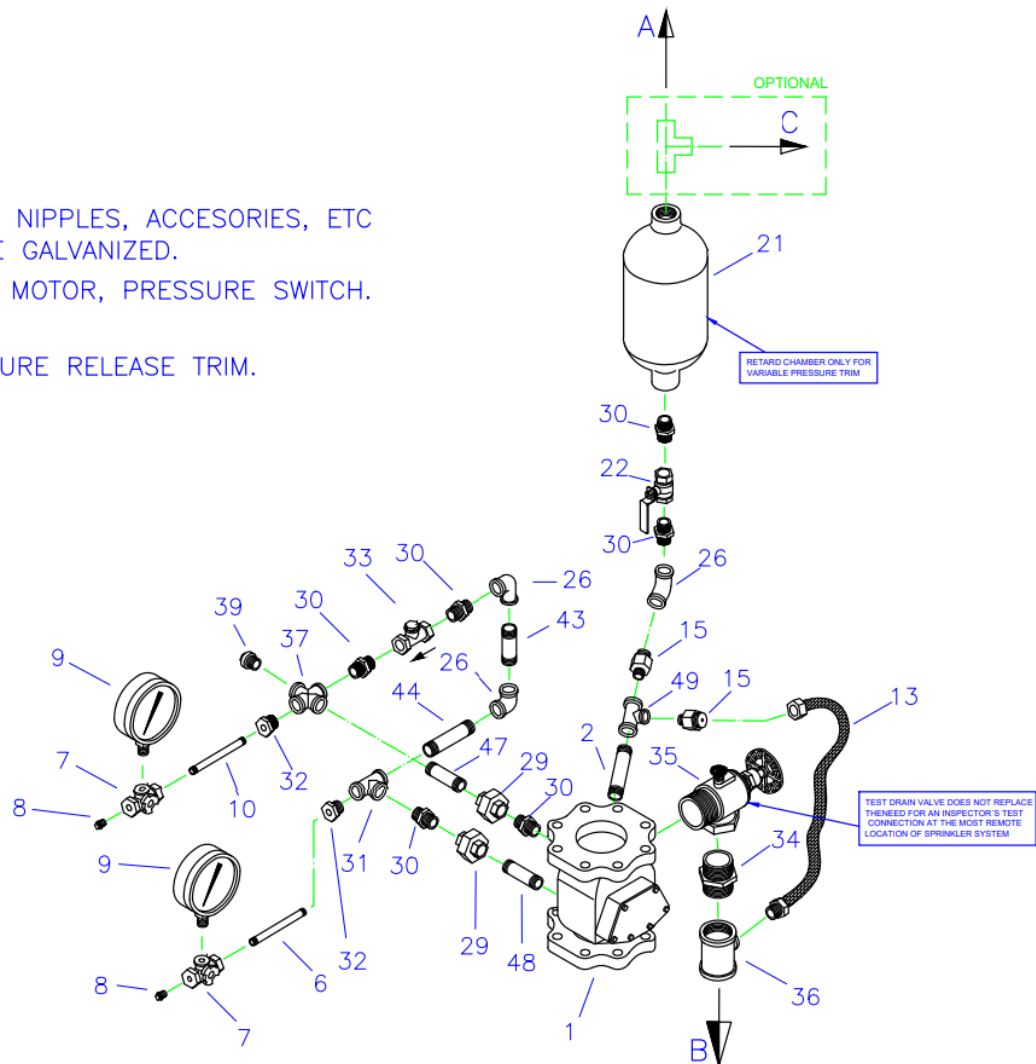
— 4", 6" and 8" Model H series vertical position/variable and constant pressure trim.

NOTE: ALL NIPPLES, ACCESORIES, ETC
ARE GALVANIZED.

A- WATER MOTOR, PRESSURE SWITCH.

B- DRAIN.

C- PRESSURE RELEASE TRIM.

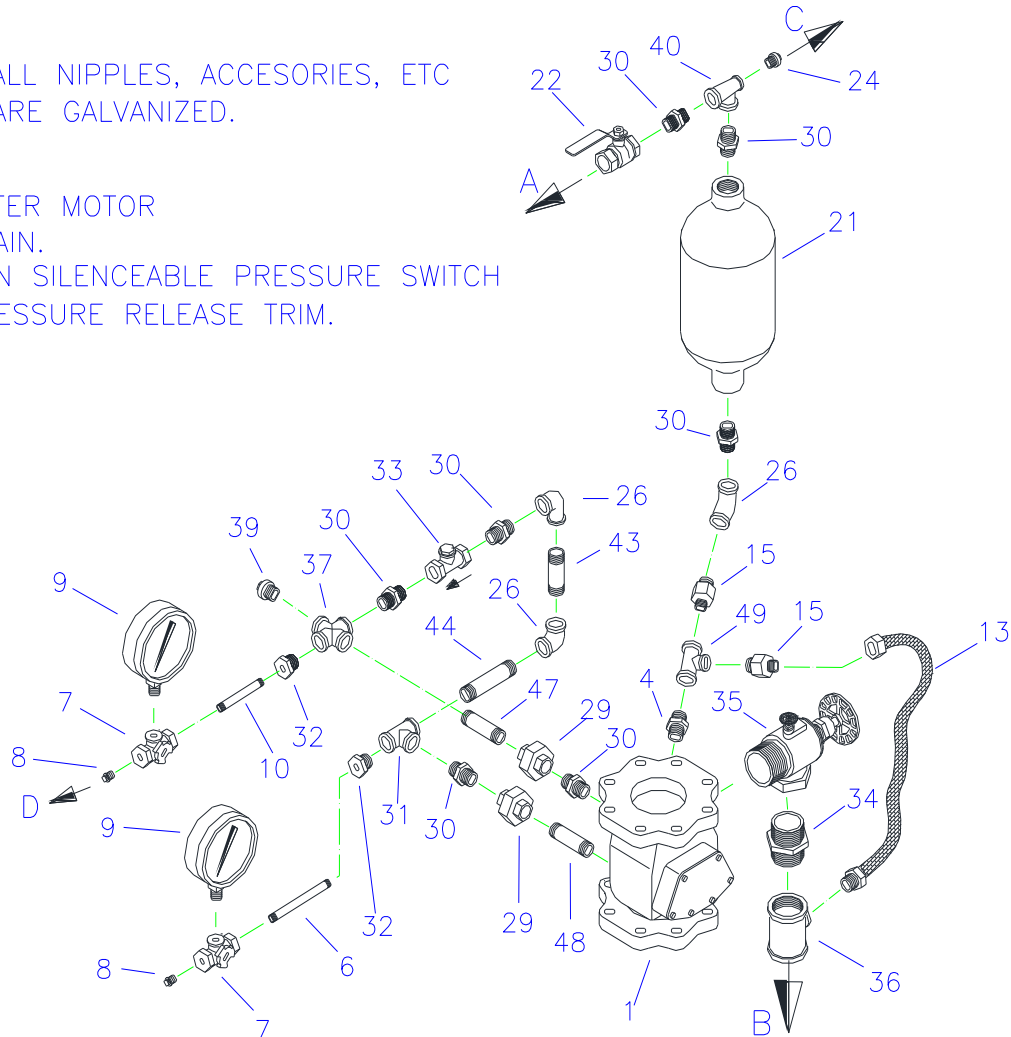


N°	DESCRIPTION			U	N°	DESCRIPTION			UD	N°	DESCRIPTION			UD
1	BODY VALVE			1	13	M/F FLEX STEEL ½"			1	37	¾" CROSS			1
4	½"NIPPLEx	VALV	LENGTH.	1	15	½"-¾"ORIFICE DRAIN			2	39	¾" PLUG			1
		4"	C.NIPPLE		21	RETARD CHAMBER			1	43	¾" NIPPLEx	VALV	LENGTH	1
		6"	70 mm		22	¾"BALL VALVE			1			4"	85 mm	
6	¼" x 180 mm NIPPLE			1	26	¾" ELBOW			3			6"	95 mm	
7	¼" 3-WAY VALVE			2	29	¾"UNION NUT			2	44	¾" NIPPLEx 130 mm			1
8	¼" PLUG			2	30	¾"CLOSE NIPPLE			6	47	¾" NIPPLEx	VALV	LENGTH	1
9	GAUGE			2	31	¾"TEE			1			4"	C.NIPPLE	
10	¼" NIPPLEx	VALV	LENGTH.	1	32	¾"-¼" RED NUT			2			6"	C.NIPPLE	
		4"	50 mm		33	¾"RETAINER VALVE			1			8"	80 mm	
		6"	50 mm		34	2"CLOSE NIPPLE			1	48	¾"x 80 mm NIPPLE			1
		8"	180 mm		35	2"DRAIN VALVE			1	49	½" - ½" - ½"TEE			1
					36	2" - ½" - 2"TEE			1					

4", 6" and 8" Model H series vertical position EUROTRIM.

NOTE: ALL NIPPLES, ACCESSORIES, ETC
ARE GALVANIZED.

A- WATER MOTOR
B- DRAIN.
C- NON SILENCEABLE PRESSURE SWITCH
D- PRESSURE RELEASE TRIM.



N°	DESCRIPTION			U	D	N°	DESCRIPTION			UD	N°	DESCRIPTION			UD
1	BODY VALVE			1	15	½" -¾"ORIFICE DRAIN			2	39	¾" PLUG			1	
4	½" NIPPLE	VALV .	LENGTH	1	21	RETARD CHAMBER			1	40	½" - ¾" - ¾" TEE			1	
		4"	C.NIPPLE		22	¾"BALL VALVE			1	43	¾" NIPPLE	VALV .	LENGTH	1	
		6"	70 mm		24	½"PLUG			1			4"	85 mm		
		8"	70 mm		26	¾" ELBOW			3			6"	95 mm		
6	¾" x 180 mm NIPPLE			1	29	¾"UNION NUT			2			8"	170 mm		
7	¾" 3-WAY VALVE			2	30	¾"CLOSE NIPPLE			7	44	¾"x 130 mm NIPPLE			1	
8	¾"PLUG			2	31	¾"TEE			1	47	¾"NIPPLE	VALV .	LENGTH	1	
9	GAUGE			2	32	¾" -¼"RED. NUT			2			4"	C.NIPPLE		
10	¼"NIPPLE	VALV .	LENGTH	1	33	¾"RETAINER VALVE			1			6"	C.NIPPLE		
		4"	50 mm		34	2"CLOSE NIPPLE			1			8"	80 mm		
		6"	50 mm		35	2"DRAIN VALVE			1	48	¾"x 80 mm NIPPLE			1	
		8"	180 mm		36	2" - ½" - 2"TEE			1	49	½" - ¾" - ½"TEE			1	
13	M/F FLEX STEEL ½"			1	37	¾"CROSS			1						

4" and 6" Model H series horizontal position trim.

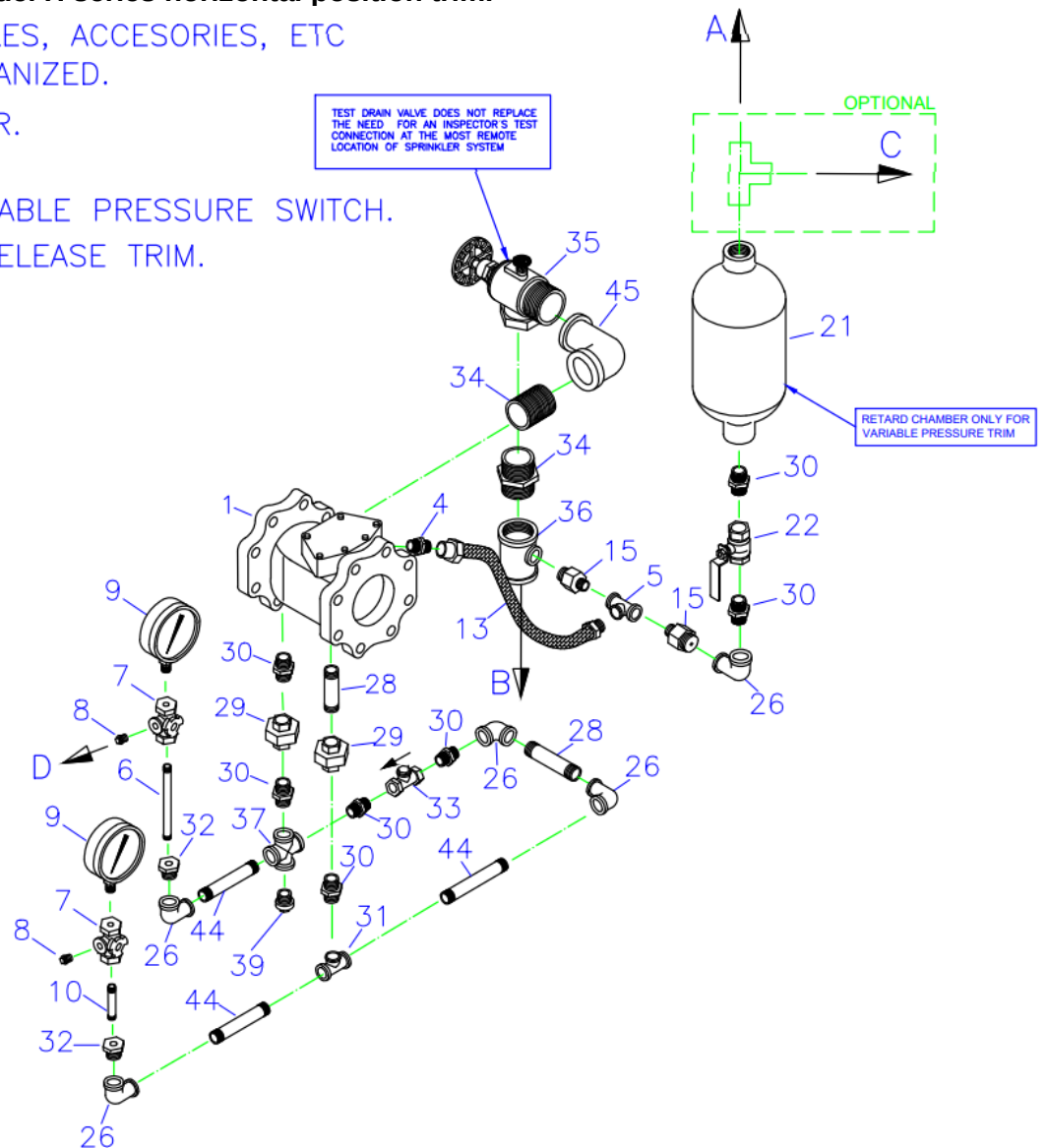
NOTE: ALL NIPPLES, ACCESORIES, ETC
ARE GALVANIZED.

A- WATER MOTOR.

B- DRAIN.

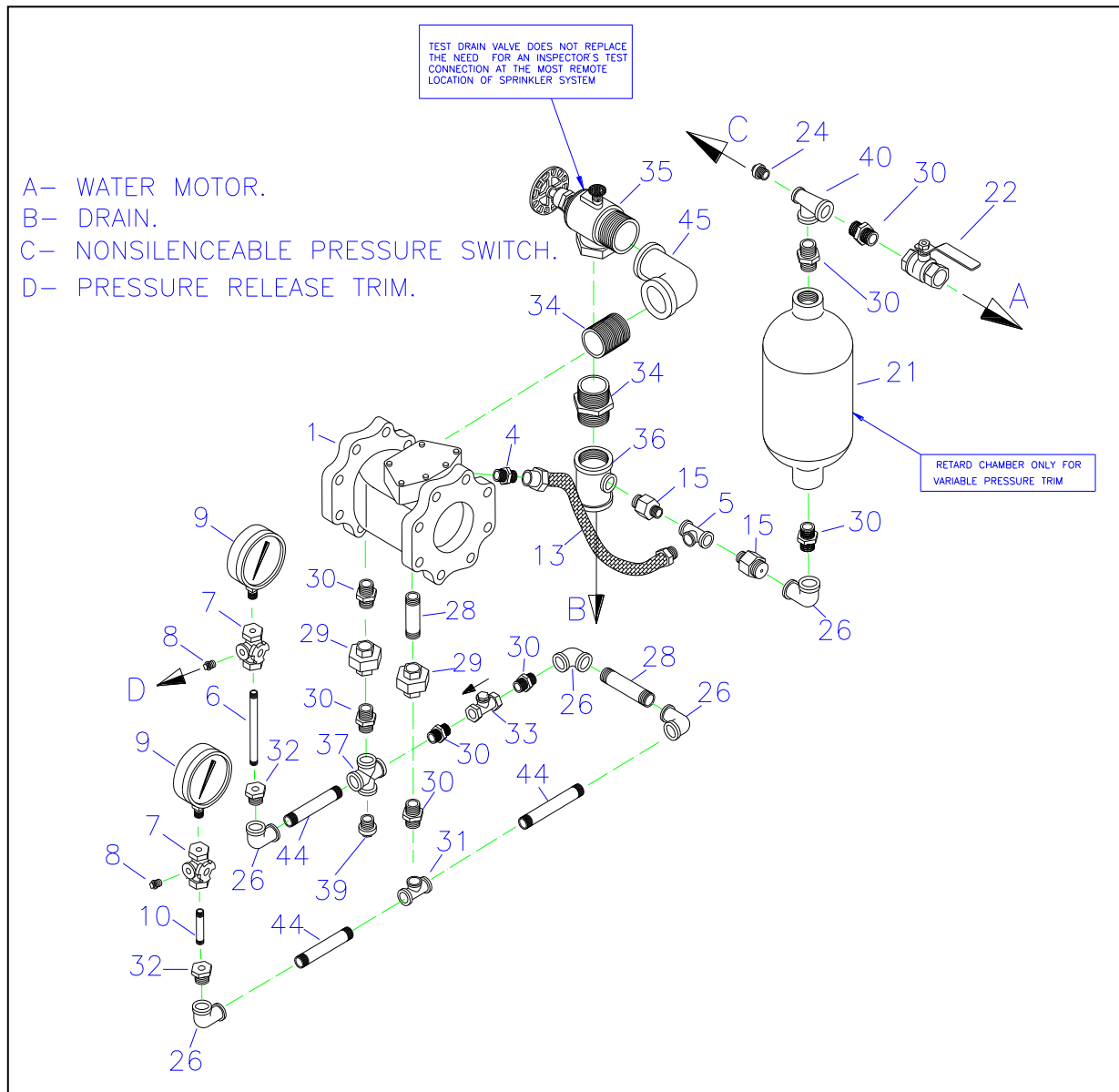
C- NON SILENCEABLE PRESSURE SWITCH.

D- PRESSURE RELEASE TRIM.



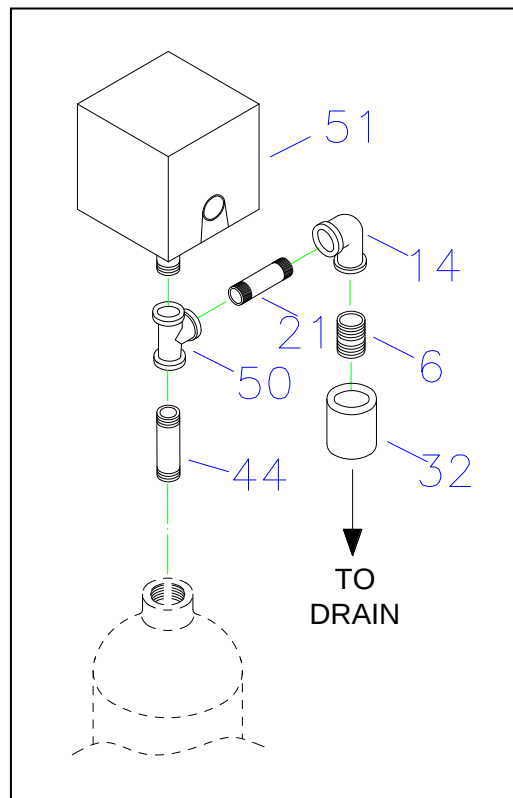
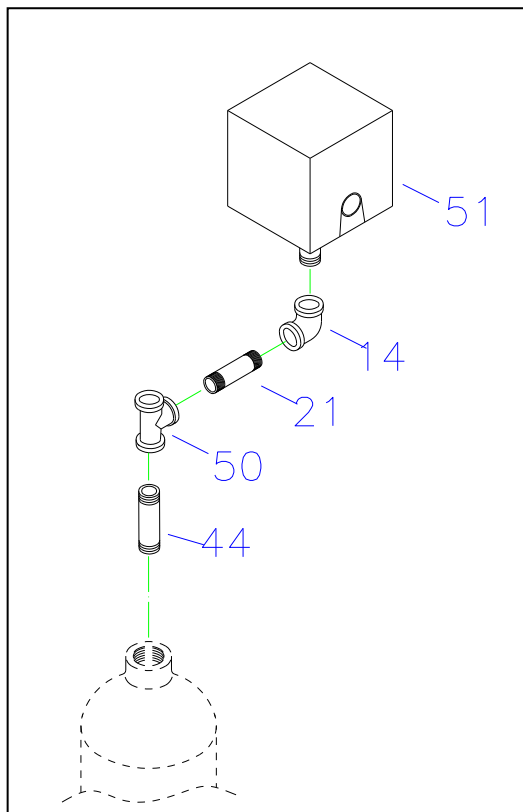
N°	DESCRIPTION	UD	N°	DESCRIPTION	UD	N°	DESCRIPTION	UD
1	BODY VALVE	1	15	1/2" - 3/4" ORIFICE DRAIN	2	33	3/4" RETAINER VALVE	1
4	1/2" CLOSE NIPPLE	1	21	RETARD CHAMBER	1	34	2" CLOSE NIPPLE	2
5	1/2" TEE	1	22	3/4" BALL VALVE	1	35	2" DRAIN VALVE	1
6	1/4" x 180 mm NIPPLE	1	26	3/4" ELBOW	5	36	2" - 2" - 3/4" TEE	1
7	1/4" 3-WAY VALVE	2	28	3/4" x 80 mm NIPPLE	2	37	3/4" CROSS	1
8	1/4" PLUG	2	29	3/4" UNION NUT	2	39	3/4" PLUG	1
9	GAUGE	2	30	3/4" CLOSE NIPPLE	7	44	3/4" x 130 mm NIPPLE	3
10	1/4" x 50 mm NIPPLE	1	31	3/4" TEE	1	45	2" ELBOW	1
13	M/F FLEX STEEL TUBIN 1/2"	1	32	3/4" - 1/4" RED NUT	2			

4" and 6" Model H series horizontal position EUROTRIM.



N°	DESCRIPTION	UD	N°	DESCRIPTION	UD	N°	DESCRIPTION	UD
1	BODY VALVE	1	21	RETARD CHAMBER	1	34	2" CLOSE NIPPLE	2
4	1/2" CLOSE NIPPLE	1	22	3/4" BALL VALVE	1	35	2" DRAIN VALVE	1
5	1/2" TEE	1	24	1/2" PLUG	1	36	2" - 2" - 3/4" TEE	1
6	3/4" x 180 mm NIPPLE	1	26	3/4" ELBOW	5	37	3/4" CROSS	1
7	3/4" 3-WAYS VALVE	2	28	3/4" x 80 mm NIPPLE	2	39	3/4" PLUG	1
8	1/4" PLUG	2	29	3/4" UNION NUT	2	40	3/4" - 3/4" - 1/2" TEE	1
9	GAUGE	2	30	3/4" CLOSE NIPPLE	8	44	3/4" x 130 mm NIPPLE	3
10	1/4" x 50 mm NIPPLE	1	31	3/4" TEE	1	45	2" ELBOW	1
13	M/F FLEX STEEL TUBIN 1/2"	1	32	3/4" - 1/4" RED. NUT	2			
15	1/2" - 3/4" ORIFICE DRAIN	2	33	3/4" RETAINER VALVE	1			

Optional alarm pressure switch trim.

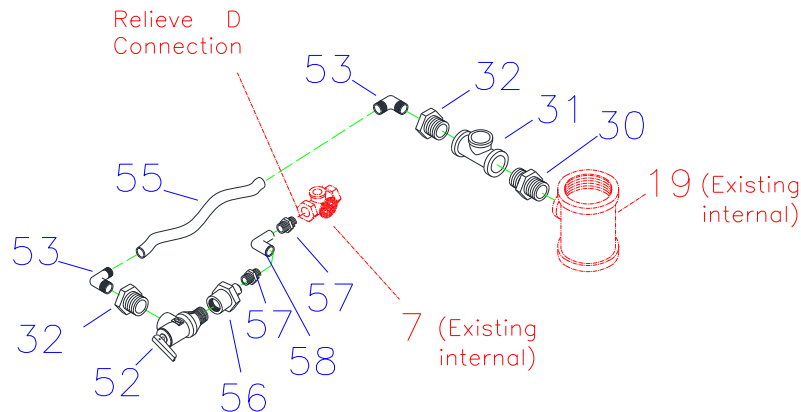


N°	DESCRIPTION	UD
14	1/2" ELBOW	1
21	1/2" x 100 mm NIPPLE	1
44	3/4" X 130 mm NIPPLE	1
50	3/4" x 3/4" x 1/2" TEE	1
51	PRESSURE SWITCH	1

N°	DESCRIPTION	UD
6	ALARM LINE TRAP	1
14	1/2" ELBOW	1
21	1/2" x 100 mm NIPPLE	1
32	CLOUPING	1
44	3/4" X 130 mm NIPPLE	1
50	3/4" x 3/4" x 1/2" TEE	1
51	PRESURE SWITCH	1

*NOTE: Other pressure switches available upon request. May be substituted depending on application.

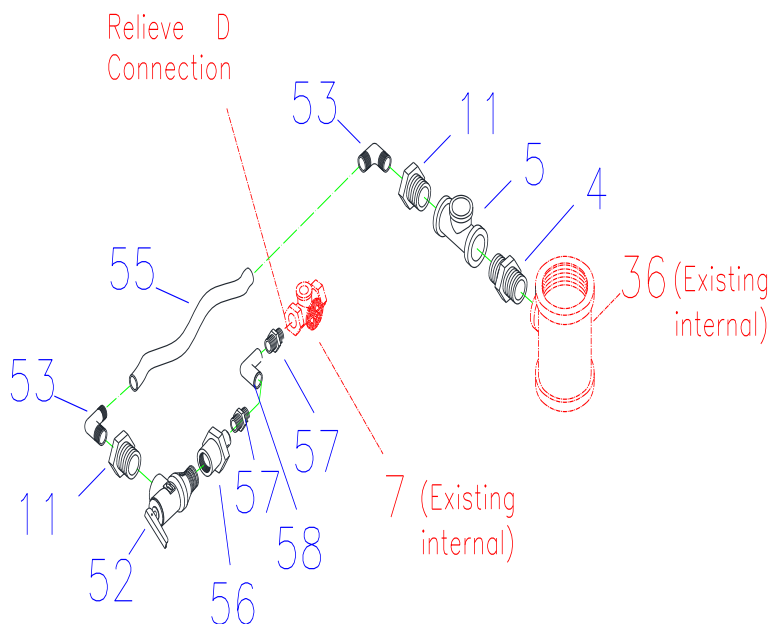
Pressure relief valve for use in gridded systems (TRIM 3").



ITEM	DESCRIPTION	UNITS
30	3/4" CLOSE NIPPLE	1
31	3/4" TEE F-F-F	1
7	1/4" 3 WAY VALVE	2
32	3/4" x 1/4" RED. NUT M-F	1
19	1 1/4" x 3/4" x 1 1/4" TEE(Existing Trim)	2
52	RELIEF VALVE 1/2"	1
53	1/4" NPT - FLEX. HOSE ELBOW	2
55	FLEXIBLE HOSE	1
56	1/2" x 1/4" FEMALE RED. NUT F-F	1
57	1/4" CLOSE NIPPLE	2
58	1/4" Elbow F-F 90°	1

(Existing Internal-system side)

Pressure relief valve for use in gridded systems (TRIM 4", 6" Y 8").



ITEM	DESCRIPTION	UNITS
4	1/2" CLOSE NIPPLE	1
5	1/2" TEE F-F-F	1
7	1/4" 3 WAY VALVE	2
11	1/2" x 1/4" RED. NUT M-F	2
36	2" x 1/2" x 2" TEE(Existing Trim)	2
52	RELIEF VALVE 1/2"	1
53	1/4" NPT - FLEX. HOSE ELBOW	2
55	FLEXIBLE HOSE	1
56	1/2" x 1/4" FEMALE RED. NUT F-F	1
57	1/4" CLOSE NIPPLE	2

(Existing internal-system syde)

EC Marking Information.

	
1725	
AG FIRE SPRINKLER S.L. , C/ Invención nº 11, P.I. Los Olivos, 28906, Getafe – Madrid – SPAIN	
11	
Nº 2013-DOP001	
EN 12259-2:1999	
Wet Alarm Valve Assembly [with Retard Chamber]	
Rated Working Pressure [bar]	-12
Nominal size.	-DN80 DN100 DN150 DN200