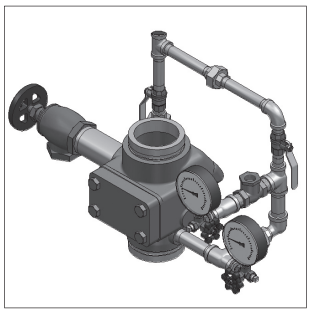
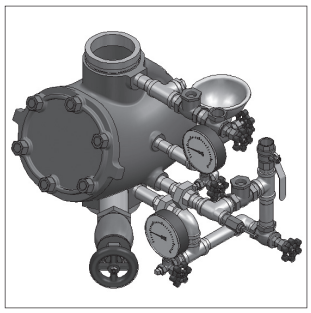
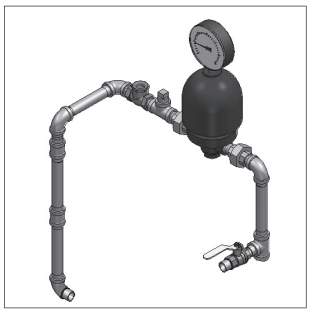
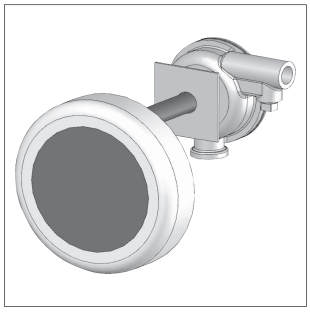
Fire solution Eurofire

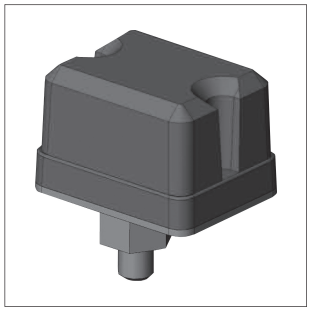

Alarm valve

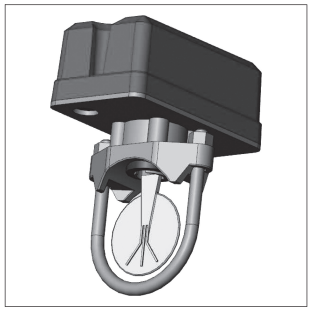

Retard chamber

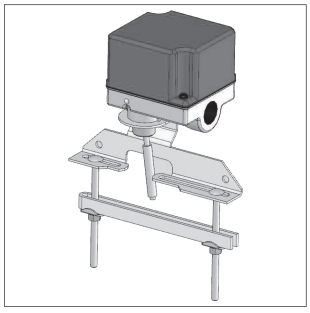

Dry pipe valve

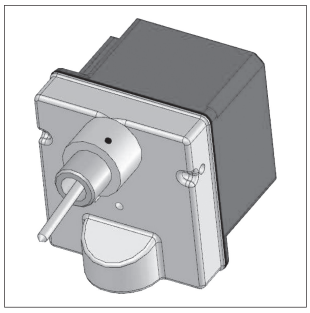

Accelerator

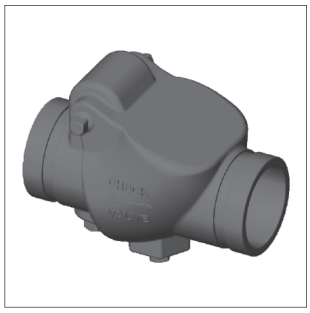

Water motor gong

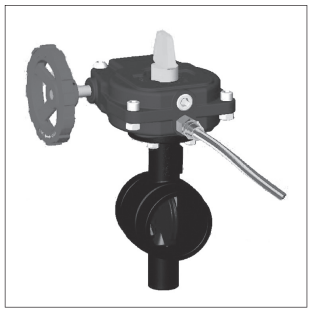

Pressure switch


Water flow switch

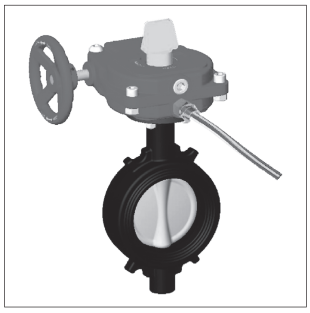

Supervisory switch OSY2


Supervisory switch PIBV2


Check valve


Buttefly valve


Buttefly valve

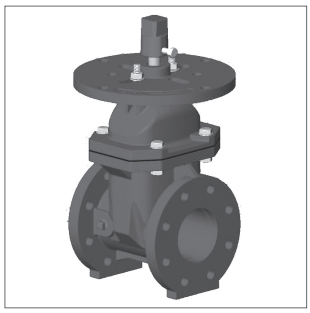

Buttefly valve wafer


Buttefly valve wafer


Ball valve grooved


OS&Y gate valve

Fire solution Eurofire

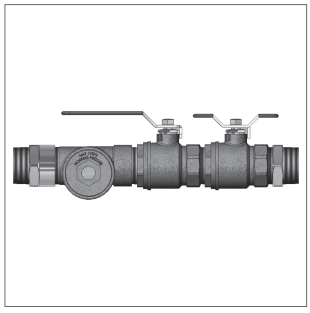


Post indicator valve

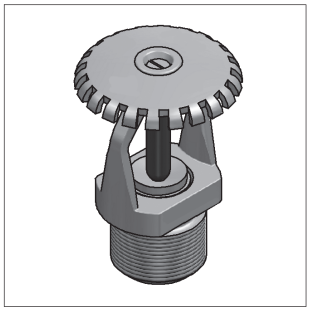
Gate valve with indicator

Vertical post indicator

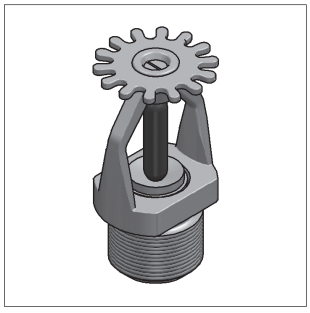
Wall post indicator



Test and drain valve

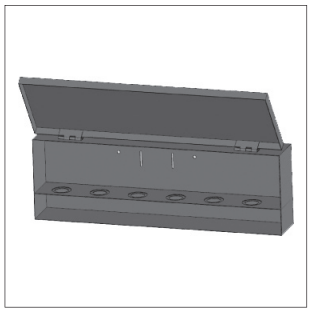


Sprinkler (Upright)



Sprinkler (Pendent)

Sprinkler wrench



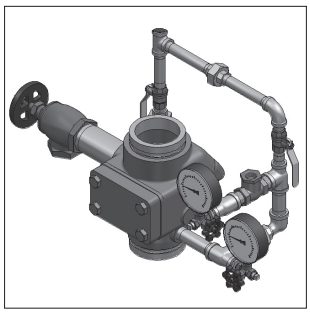
Sprinkler cabinet

Miniature sprinkler guard c/w water shield

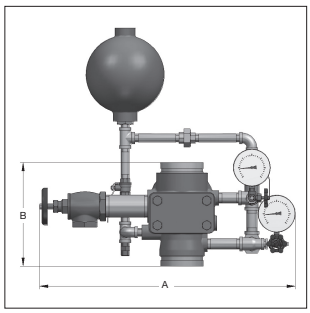
Sprinkler guard

Water shield

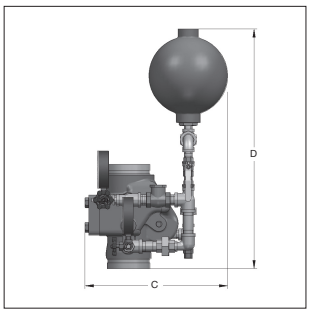
Alarm valve mod. E-D-B



Wet alarm valve



Front view



Side view

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For Listing/Approval Details and Limitations contact MEFA Sales Representative.

Product Description:

Wet valve available with pre-assembled trim factory tested or loose trim

Constant and variable pressure trim. Retard chamber must be ordered separately when using variable water supply.

- **Material Specification**

Body: Ductile Iron
Clapper: Cast Iron
Clapper Gasket: EPDM rubber
Clapper seat: Brass
Spring: Stainless steel

- **Finishing**

Black painted body
Galvanized Grooved Connections
Compact and resistant body valve

- Flanged: PN16
- Working pressure: 12bar 175psi

Alarm valve model E grooved/grooved

Nominal size		Dimensions A	B	C	D	Friction loss n mt/pipe	Weight body	with trim	Code Body	Code Trim
Inch.	DN	[mm]	[mm]	[mm]	[mm]		[kg/pc]	[kg/pc]		
4	100	700	286	390	700	3,8	19	23	AVE40	AVTRIM40VAP
6	150	700	286	390	700	10	23	30	AVE60	AVTRIM60VAP

Alarm valve model D flanged/grooved

Nominal size		Dimensions A	B	C	D	Friction loss n mt/pipe	Weight body	with trim	Code Body	Code Trim
Inch.	DN	[mm]	[mm]	[mm]	[mm]		[kg/pc]	[kg/pc]		
4	100	700	264	350	700	3,8	23	30	AVD40	AVTRIM40VAP
6	150	700	287	350	700	10,0	29	36	AVD60	AVTRIM60VAP
8	200	700	335	520	700	10,5	57	64	AVD80	AVTRIM80VAP

Alarm valve model B flanged/flanged

Nominal size		Dimensions A	B	C	D	Friction loss n mt/pipe	Weight body	with trim	Code Body	Code Trim
Inch.	DN	[mm]	[mm]	[mm]	[mm]		[kg/pc]	[kg/pc]		
3	80	700	273	390	700	1,0	23	30	AVB30	AVTRIM30VAP
4	100	700	226	390	700	3,8	25	32	AVB40	AVTRIM40VAP
6	150	700	264	390	700	10,0	34	42	AVB60	AVTRIM60VAP
8	200	700	298	520	700	10,5	59	66	AVB80	AVTRIM80VAP

Retard camber

Retard camber model E

Description	Weight [kg/pc]	Code
For variable pressure systems (with pumps)	9,0	RETARD

Alarm valve model E-D-B

Description of the alarm valve

The MEFA alarm valve model E, D, B, differential type, consists ofa rubber faced cast iron swing clapper seating on a grooved brass seat. The seat is tinned to prevent the rubber clapper facing from sticking to the seat. An external by-pass allows a pressure surge from the supply side to by-pass the alarm valve clapper and become entrapped in the sprinkler system thus creating an excess system pressure that will steady the clapper. Should a heavy surge from the supply side unseat the clapper, water will flow into the retard chamber.

The Model E retard chamber is connected into the alarm line piping between the grooved seat oft he alarm valve and alarm devices such as circuit opener and circuit closer and water motor gong. Specially designed inlet and drain orifices allow the retard chamber to drain with sufficient speed to prevent false alarms. The MEFA alarm valve carries FM approvals, for installation in the vertical position.

Operation

When a sprinkler head or inspectors test valve is opened, pressure on the system side oft he clapper is reduced below the pressure on the supply side. The clapper then raises off the grooved seat and permits water from the supply to enter the system for distribution on the fire. Water now flows through the uncovered groove and into the retard chamber and after filling the retard chamber, to the alarm devices. A pressure surge or water hammer in the supply line will increase the pressure on the supply side of the clapper, causing it to lift intermittently which may result in a false alarm. The MEFA alarm valve Model E, D, B will prevent such false alarms by two features:

a. The external by-pass with check valve allows a pressure surge from the supply to by-pass the alarm valve clapper. This will create and excess system pressure and thus steady the clapper. Should a heavy surge unseat the clapper and allow water to flow into the alarm line, the model E retard chamber then comes into action.
b. The retard chamber consists of two specially designed inlet and drain orifices, which will allow the chamber to be drained before filling and activating an alarm device. The retard chamber has a strainer in the intake line to prevent foreign matter from clogging the intake orifice.

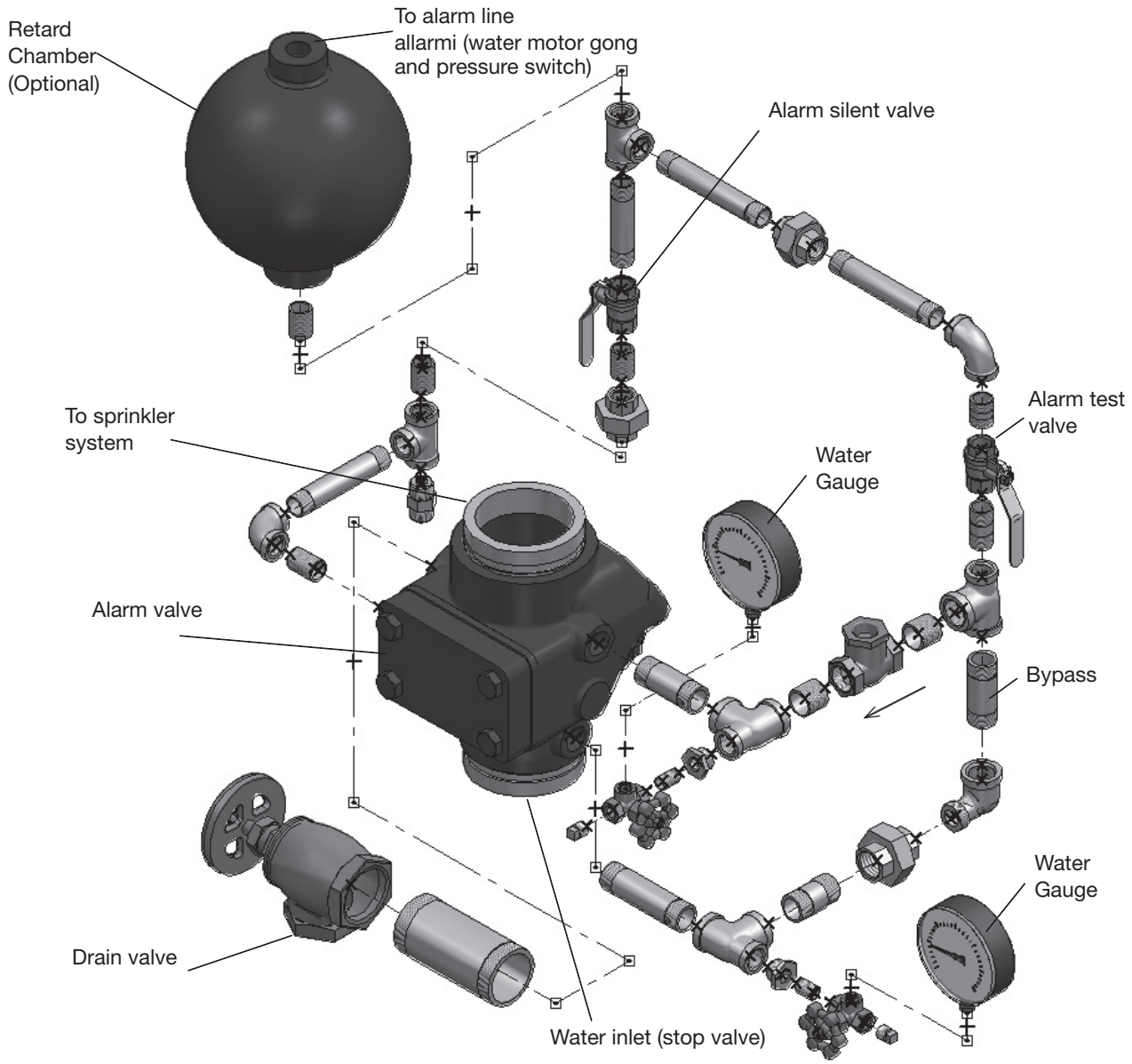
Care must be exercised when installing check valves in the trim to be certain that they are located with the arrow on the body pointing in the right direction. The arrow on the body oft he ¾" check valve in the by-pass must point towards the valve. The arrow on the body oft he ½" check valve in the drain line from the retard chamber must point towards the main drain.

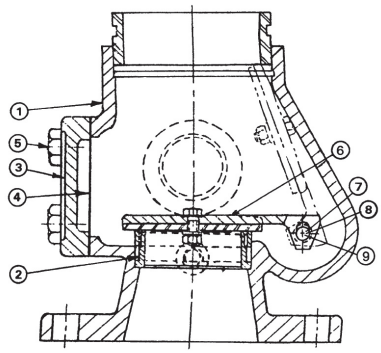
Inspection and maintenance

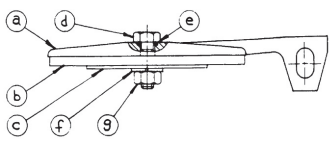
The MEFA alarm valve Model E, D, B is so constructed that there is nothing to adjust and under normal water and operating conditions requires very little maintenance.
The two water gauges in the alarm valve trim should indicate different pressure readings. Should these pressure readings be equal, and assuming that no test or drain valves have been recently opened, or any sprinkler heads have operated before the system pressure has had a chance to build up, such a condition indicates a leak is occuring at some point.
In this event check all valves in the trimming installation. As well as all test and drain valves on the system, making positive that all have been tightly closed and no leakage is occuring. Inspect the system carefully for broken fittings or similar damage to the overhead pipe.
If this inspection reveals that no leakage is occuring, it is likely that the rubber clapper facing within the alarm valve needs replacing. A defective rubber facing is also a major cause of false alarms and renewal will tend to correct this condition. Such replacement may be found necessary from time to time and a new rubber facing should be obtained from the valve manufacturer. When this change is necessary it is done as follows:

1. Notify your insurance carrier that the system is to be temporarily out of service.
2. Close main control valve (OS & Y or post indicator valve located outside building) to shut off water supply a man should be stationed at the valve until service is restored.
3. Open 2" drain valve to drain the system.
4. Vent sprinkler system by opening inspectors test valve which is normally located at the top oft he system.
5. After system is completely drained. the cover plate can be removed permitting inspection of the alarm valve clapper assembly, seat and interior.
6. Raise clapper off seat and scoop out any scale or solid particles around the valve seat. Wipe the surface oft he valve seat with a clean cloth.
7. Renew clapper facing.
8. Clapper assembly may be removed from the alarm valve by removing the two clapper pin plugs. which permits the removal oft he clapper pin.
9. Replace cover plate making sure cover plate gasket is in good condition.
10. Tightly close all drain and test valves making sure to replace any sprinkler heads which may have been removed. Leave inspectors test valve open.
11. To prevent alarms from sounding when service is being restored, close the two 1/2" ball valves in the alarm valve trim.
12. Carefully open the main control valve to allow the system to fill slowly. This will prevent any foreign matter in the supply main from being washed into the alarm valve. During this time the clapper assembly will be open and will automatically reseat when sufficient water has entered the system piping.
13. Allow inspectors test valve to remain open until a steady flow of water is maintained and then close tightly. This vents as much entrapped air in the sprinkler system as possible.
14. When full pressure is built up in the sprinkler system and the upper gauge on the alarm valve trim reads higher than the lower gauge, open the main control valve fully and seal.
15. Open the ½" ball valve on the alarm line only, and seal. Failure to do so will prevent an alarm from sounding in the event of system operation.
16. To test the alarm, open the ½" ball valve in the external by-pass trim. This takes water from below the clapper and permits testing of alarm without raising clapper off the seat.

Alarm valve mod. E-D-B

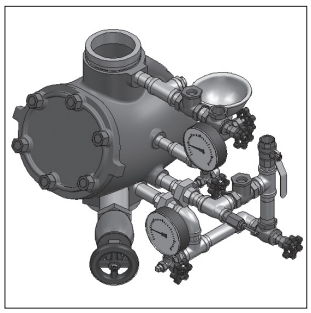




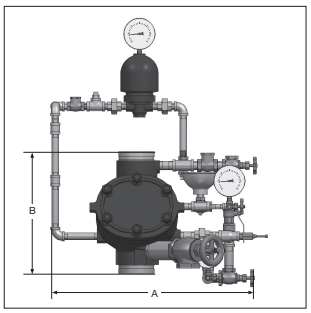


Position	3 0 4”	6”	8”	Description
1	4E.1	6E.1	8E.1	Body
2	for info	for info	for info	Water seat
3	4E.3	6E.3	8E.3	Cover
4	4E.4	6E.4	8E.4	Cover Gasket
5	4E.5	6E.5	8E.5	Hex bolt
6	4E.7	6E.7	8E.7	Clapper
7	4E.15	6E.15	8E.15	Bushing
8	4E.16	6E.16	8E.16	Pim
9	4E.17	6E.17	8E.17	Cap

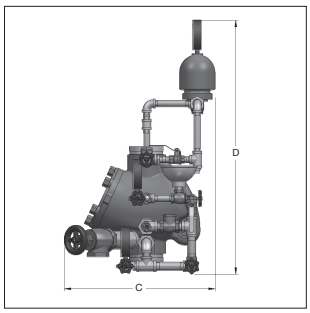
Dry pipe valve Mod. E-B-A



Dry Pipe Valve



Front view



Side view

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CE
PENDING

Product Description:

Wet valve available with pre-assembled trim factory tested or loose trim

Constant and variable pressure trim. Retard chamber must be ordered separately when using variable water supply.

- **Material Specification**

Body: Ductile Iron
Clapper: Cast Iron
Clapper Gasket: EPDM rubber
Clapper seat: Brass
Spring: Stainless steel

- **Finishing**

Black painted body
Galvanized Grooved Connections
Compact and resistant body valve

- Flanged: PN16
- Working pressure: 12bar 175psi

Note: Dry pipe valve E-B-A can be installed as a pre-action valve type “B” acording to the EN12845 norm

Dry pipe valve model E grooved/grooved

Nominal size		Dimensions				Friction loss n mt/pipe	Weight unitario		Code Body	Code Trim
		A	B	C	D		body	with trim		
Inch.	DN	[mm]	[mm]	[mm]	[mm]	[mt]	[kg/pc]	[kg/pc]		
4	100	680	387	680	840	3,8	52	62	DPVE40	DPVTRIM40

Dry pipe valve model B flanged/grooved

Nominal size		Dimensions				Friction loss n mt/pipe	Weight unitario		Code Body	Code Trim
		A	B	C	D		body	with trim		
Inch.	DN	[mm]	[mm]	[mm]	[mm]	[mt]	[kg/pc]	[kg/pc]		
4	100	680	378	680	840	3,8	57	67	DPVB40	DPVTRIM40
6	150	900	495	590	840	10,0	136	146	DPVB60	DPVTRIM60

Dry pipe valve model A flanged/flanged

Nominal size		Dimensions				Friction loss n mt/pipe	Weight unitario		Code Body	Code Trim
		A	B	C	D		body	with trim		
Inch.	DN	[mm]	[mm]	[mm]	[mm]	[mt]	[kg/pc]	[kg/pc]		
3	80	680	375	680	840	1,0	57	67	DPVA30	DPVTRIM30
4	100	680	454	680	840	3,8	60	70	DPVA40	DPVTRIM40
6	150	900	497	590	840	10,0	145	155	DPVA60	DPVTRIM60

Dry pipe valve model E-B-A

Description and operation

The MEFA Dry valve model E, B, A is essentially a differential check valve. The bronze clapper carries two rubber gaskets. The larger (air) gasket is rubber and seats against pure tin. The smaller (water) gasket is a specially designed rubber disc, which also seats on pure tin. These seats are so proportioned that one pound (.454 kg) of air pressure will hold back approximately six pounds (2.722 kg) of water pressure. When the air pressure on the surface of the priming water is relieved by the opening of a sprinkler, the upward pressure of the water undemeath the water gasket causes the clapper to lift, the intermediate chamber instantly fills, sounds the alarm, and the water pressure acting on the entire surface of the clapper, pushes it or/er to the wide open position and thus leaves a passage for the water to the sprinkler system.

Resetting dry pipe valve

1. Close main controlling valve or post indicator to shut off water supply to sprinkler system.
2. Open Valve 1 to drain sprinkler system.
3. Gong and electric valve may be shut off by closing valve 2.
4. Vent sprinkler system by opening ¾" (19.05 mm) inspectors test valve which is normally located at the top of the system
5. After system is thoroughly drained, remove cove plate 3 for resetting dry valve.
6. Raise clapper off seat and scoop out any scale or solid particles found in intermediate chamber, in the bottom of the valve, between the air and water seats. Using a clean piece of cloth wipe the surface of the rubber seats on the swinging clapper, also the tin seats in the valve. Never apply grease tallow, or any other substance to water or air seat.
7. Let bronze clapper down on its seat making sure that the rubber air ring presses evenly all around the air seat.
8. Put on cover plate 3 making sue that gasket is in good condition. Replace nuts and tighten evenly, a little at a time, all around.
9. Drip valves are found at low points (if any) on sprinkler piping. They would not be drained by previous operation - open these valves for training after removing plugs and close when water stops running.
10. Olose ¾"(19.05 mm) inspector's test valve, previously opened to vent system.
11. Replace sprinklers fused by tire.
12. Prime by opening valve 4 and slowly pour waterinto priming cup 5 until priming level is even with cup. Remove plug 7 in valve 6 which is normally open; after water stops running replace plug 7 and close valve 4 tightly. Water must not be allowed to stand above the priming water level.
13. Open valve 8 and pump air pressure into system. When ten pounds (4.536 Kg) pressure has been built up, open drip valve again to force water from low points of system. Close drip valves tightly and plug.
14. Pump the correct air pressure into the sprinkler system, then close valve 8 tightly. Make sue there is no leakage of priming water by the rubber air seat into drip cm 10 by observing automatic drain valve 9.
    Note: Never allow air pressure to drop below minimum limit, to safeguard against accidental tripping of dry valve. Air pressure required for sprinkler system should be calculated at approximately one (1) P.S.I. of air for every six (6) P.S.I. of water pressure. The air pressure should be maintained at approximately twenty (20) P.S.I. above calculated air pressure per N.F.P.A.-13.
15. Partly close valve 1-then open main controlling valve slowly, untilwateris heard flowing through drain valve 1 - then close tightly, and open controlling valve fully and seal.
    Note: This flushes the seat in valve 1 and prevents the clapper from raising, by opening main controlling valve too suddenly.
16. To check water seat inside the dry pipe valve, look at the automatic drain valve 9, and make sure that no water is leaking into the dip cup 10.
17. Open automatic drain valve 9 to be sure no water remains in pipe to alarm devices, then close.
18. Valve 2 should now be opened.

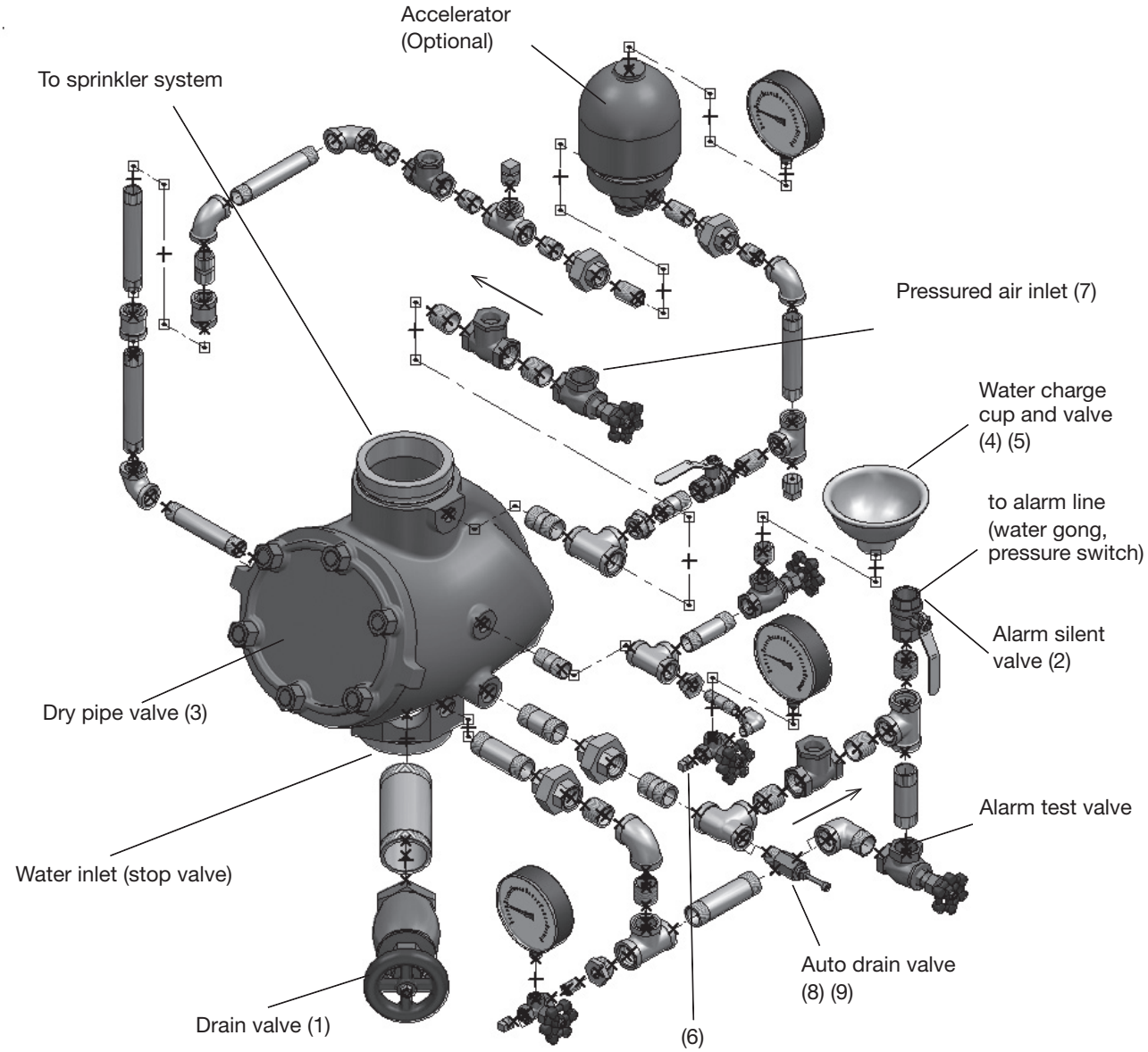
Inspection and maintenance

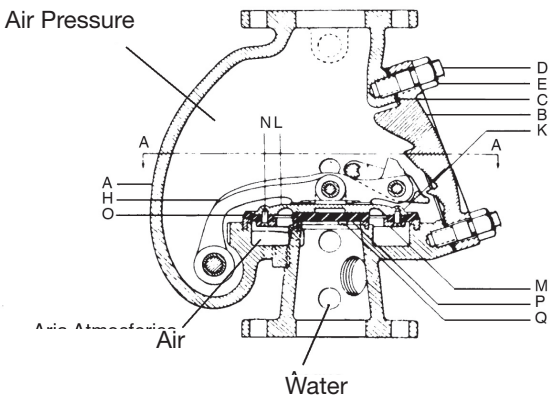
A minimum of two people should be familiar with the sprinkler system but at least one should be held responsible for its proper maintenance.

1. Test main riser for water to make sure dry pipe valve is not water columned. Water should be up to but not above the level of valve 6.
2. Close main control valve. Open main drain valve 1.
3. Close valve 6 and remove plug 7. Open 6 to drain water which is above the level of this valve. Replace plug 7 and open valve 6. Check air pressure according to N.F.P.A. -13. Close drain valve 1 and the open main control valve.
4. Air pressure must be maintained and checked weekly under normal conditions. During freezing weather it should be checked daily.
   Check valve 8 in the fall before freezing weather sets in to assure a tight seat.
5. Alarm devices may be tested occasionally without tripping the dry pipe valve by opening valve 11 if weather permits.
6. Drip valves or drum drips should be drained before freezing weather sets in and occasionally during winter.

Note: We also recommend at least an annual inspection by qualified inspectors of the complete of the protection system. Many times defects may be detected during inspection and repairs made before they develop into major troubles which might mean the protection would be off in your plant for several days.

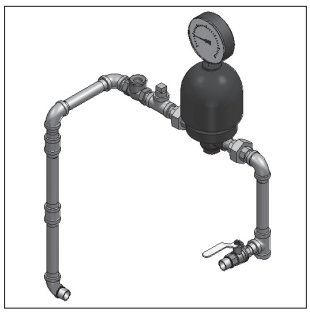
Dry pipe valve





Position	3”	4”	6” F.M./CNPP	Description
A	3A.1	4A.1	6A.1	Body
B	3A.3	4A.3	6A.3	Cover
C	3A.4	4A.4	6A.4	Cover Gasket
D	3A.5	4A.5	6A.5	Hex bolt
E	3A.6	4A.6	6A.6	Nut
K	3A.7	4A.7	6A.7	Clapper
O	3A.16	4A.16	6A.16	Pim Gasket
P	3A.17	4A.17	6A.17	Water Gasket

Accelerator Mod. 1



Accelerator model 1

APPROVED
For Listing/Approval Details and Limitations contact MEFA Sales Representative.

PENDING

General Description & Installation
An accelerator is an accessory device used on large dry pipe systems to hasten dry valve operation. NFPA Pamphlet 13 requires that each standard dry valve controlling a system with a capacity of more than 500 gallons must be provided with an accelerator.

In a fire condition, the accelerator redirects air pressure from the system piping into the intermediate chamber of the dry pipe valve. This air pressure assists the water pressure to overcome the pressure differential and opens the dry pipe valve.

The Model 1 Accelerator is c UL Listed and Fm Approved for Use with the ''MEFA" dry pipe valve Model A, B or E.

Accelerator model 1

	Weight Accel. kg	Weight with trim kg	Code Accel.	Code Trim
For risks LH and OH with volume higher then 1,5 m³				
For all risks HHP and HHS	5,0	7,0	ACC1	TACC1

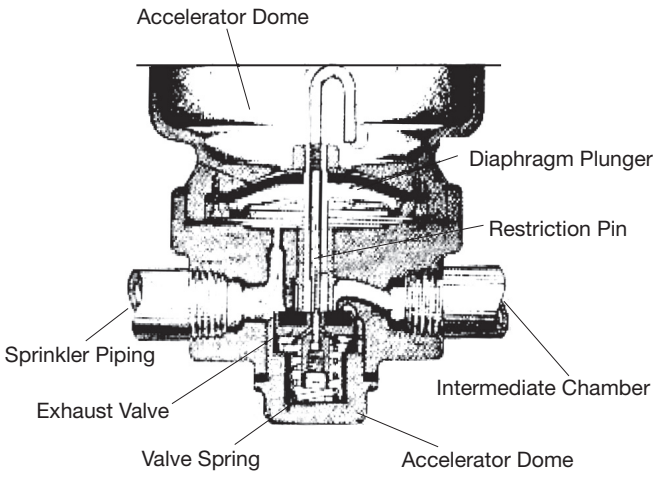


Figure 1

Operation (See Figure 1)
Under normal condition, the valve spring keeps the exhaust valve seat up against its seat ring with equal pressure from the piping system above and below the diaphragm.
Air pressure from the sprinkler piping can freely pass to the underside of the diaphragm through a hole. Air pressure can seep slowly into the accelerator dome through the restricted orifice formed by the restriction pin and the stem of the dome plunger. With the exhaust valve up against its seat, air pressure cannot pass into the intermediate chamber.

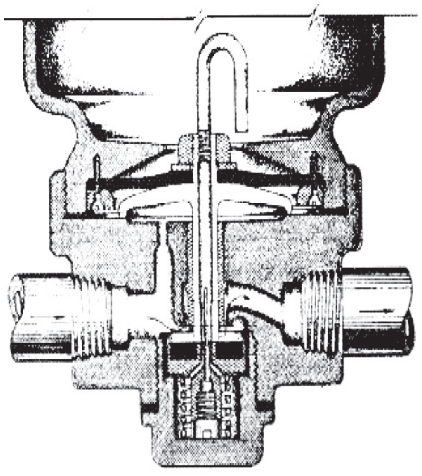


Figure 2

(see figure 2)
Operation of the exhaust valve occurs when an opened sprinkler causes sudden pressure drop in system piping. When a sharp pressure drop occurs, it does not affect the air pressure in the dome immediately. Therefore, the greater pressure in the dome opens the exhaust valve and permits air pressure to pass in into the intermediate chamber.

Accelerator model 1

Procedure for Operational Testing of Accelerator mod.1

Before proceeding with test, make certain that accelerator shut-off valve is open and that the 250 psi air pressure gauges on top of the accelerator dome and in the air supply priming line are equalized at thesystem air pressure.

1. Close controlling gate valve.
2. Open 2" main drain to relieve pressure under clapper.
3. Close accelerator shut-off valve.

Note: If there are leaks of sufficient magnitude in the joints between the shut-off valve and the accelerator, accelerator operation may occur upon closing the shut-off valve.

4. Slowly, loosen ½"union between the accelerator shut-off valve and the accelerator.
5. Accelerator operation can be detected by the audible tripping of the accelerator followed by decreasing accelerator dome pressure.
6. Retighten ½" union between accelerator shut-off valve and accelerator.
7. Slowly open accelerator shut-off valve while listening for air discharge through the velocity check. The sound of air escaping through the velocity check will insure that the accelerator has operated.
8. After allowing accelerator dome pressure to drop sufficiently below system air pressure, fully open accelerator shut-off valve and allow accelerator dome pressure to equalize.
9. Bring system to proper air pressure.
10. Close 2" main drain.
11. Open controlling gate valve.

Resetting Procedure

If an Accelerator, Model 1, is used with the dry pipe sprinkler system it must be cleaned and resetas follows:

1. Remove bottom plug and attached spring, exhaust valve seat, and restriction pin.
2. Carefully clean rubber seat of exhaust valve, exhaust valve seat rings and restriction pinmaking sure that no foreign matter adheres to them and that they are not damaged. Use smoking pipe cleaner to clean passage in diaphragm plunger and make sure that all water is drained from the accelerator dome.Removal of the accelerator air gaugeprovides an opening to atmosphere so that the dome can be drained.
3. Replace bottom plug and related parts.If bottom plug gasket is not in good condition, replacement is necessary.
4. Make sure accelerator shut-off valve is open.

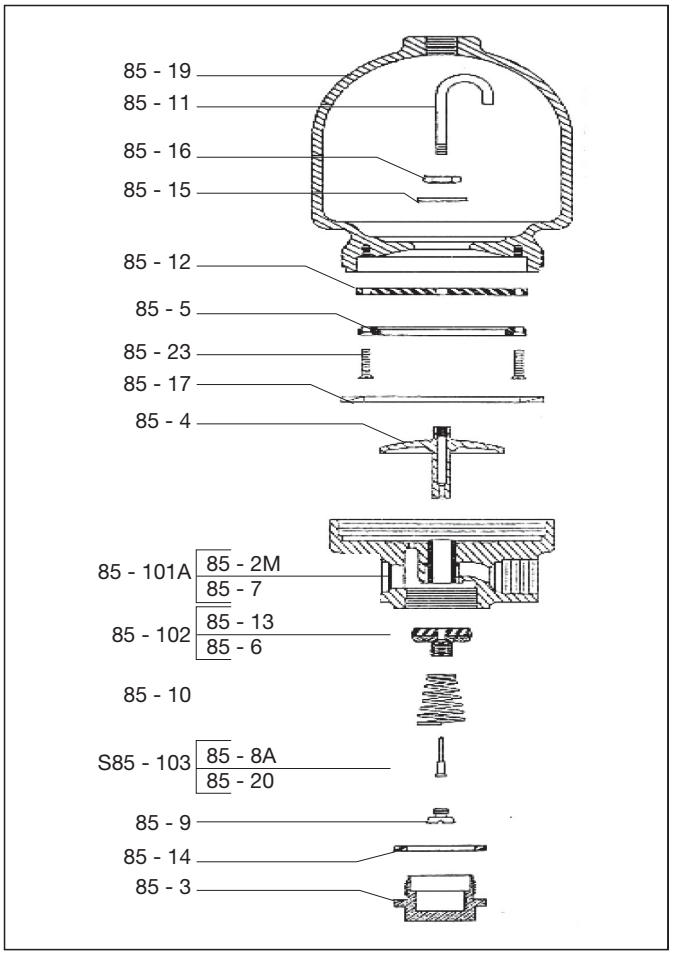
After allowing about one-half hour to lapse, check air gauge mounted on accelerator dome to see that accelerator dome pressure has equalized with sprinkler pipingpressure.

Accelerator model 1

Accelerator Field Repairs

1. Remove accelerator from dry pipe valve after first shutting off the water supply and bleeding the air from the system.
2. Remove bottom plug 85-3 and restriction pin screw 85-9.
3. Remove restriction pin assembly S85-103 being carefulnot to bend, and exhaust valve assembly S85-102.
4. Remove lower chamber S85-101A from dome 85-19M.
5. Remove retaining ring screws 85-23 and diaphragm retaining ring 85-5M.
6. Remove diaphragm 85-12, diaphragm washer 85-15 and restriction tube 85-11.
7. Clean out all sediment above or below diaphragm.
8. Replace exhaust valve assembly S85-102 with a new one or grind disc smooth with fine grinding compound or emery cloth.
9. If restriction pin assembly S85-103 is bent or rusty, it should be replaced with a new one.The new pin may have to be filed somewhat smaller in some cases or the pressure will not equalize in the dome.
10. If valve spring 85-10 is not in good condition, replace with a new one.
11. Replace diaphragm 85-12, diaphragm washer 85-15 and dome gasket 85-17 with new ones. Gasket 85-17 is important and must be 1/8" thick or it will allow diaphragm plunger 85-4M to protrude too low and keep exhaust valve from closing tight against seat.
12. After desired parts have been replaced, reassemble, being sure everything is air tight.It is easy to have a small leak in some of the gaskets if not extremely careful.
13. Re-install the accelerator on the dry pipe valve and reset the valve in accordance to instructions under Re-setting Systemon page 3 of this data sheet.

    Note: Dome gasket 85-17 is to be coated on both sides with Dow Corning Valve Seal Lubricant, or equivalent, before assembly.



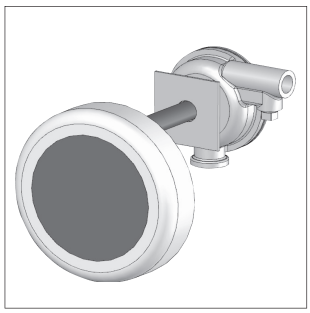
Accelerator Model 1 – Replacement Parts List

Note: Order Replacement Parts by Part number

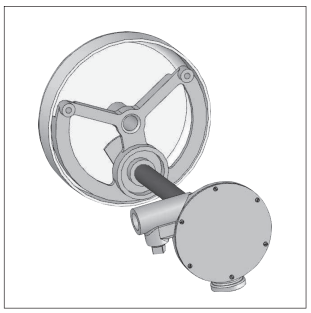
Part Number	Description	Part Number	Description
85-3	Bottom Plug	**85-11**	Restriction Tube
85-4M	Diaphragm Plunger	**85-12****	Diaphragm
85-5M	Diaphragm Retaining Ring	**85-14****	Bottom Plug Gasket
S85-102**	Exhaust Valve assembly	**85-15****	Diaphragm Washer
S85-103**	Restriction Pin assembly	**85-16**	Diaphragm Nut
85-9**	Restriction Pin Screw	**85-17****	Dome Gasket
85-10**	Valve Spring	**85-23****	Diaphragm Retaining Ring Screw (6)

** Parts included in the Accelerator Repair Kit.

Water motor gong



Water motor gong model “E”



Rear view

APPROVED
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DESCRIPTION
The Model “E” Water Motor Gong is a self contained, water operated alarm which sounds continuosly whenever the sprinkler system is activated. Designed with functional simplicity and sounds engineering practice, the Astra Model “E” Water Motor Gong is always ready to function in the event of fire.

Installation
1. Cut a hole in the wall to accomodate ¾” pipe.
2. Cut driveshaft housing (item 9) to appropriate length.
3. Attach driveshaft housing to bracket (item 13) without removing (item 14), and position this assembly on outside wall with the driveshaft housing through the wall.
4. Remove the six cover screws (item 6), cover (item 4), cover gasket (item 7), and impeller (item 2) from the impeller housing (item 1)
5. Insert driveshaft (item 8) through the driveshaf housing into engagement with the striker shaft (item 15)
6. Cut driveshaft even with the top flange of bearing (item 3) in the impeller housing.
7. Insert impeller and rotate by hand to assure proper alignment.
8. Attach cover and cover gasket to impeller housing with six cover screws.

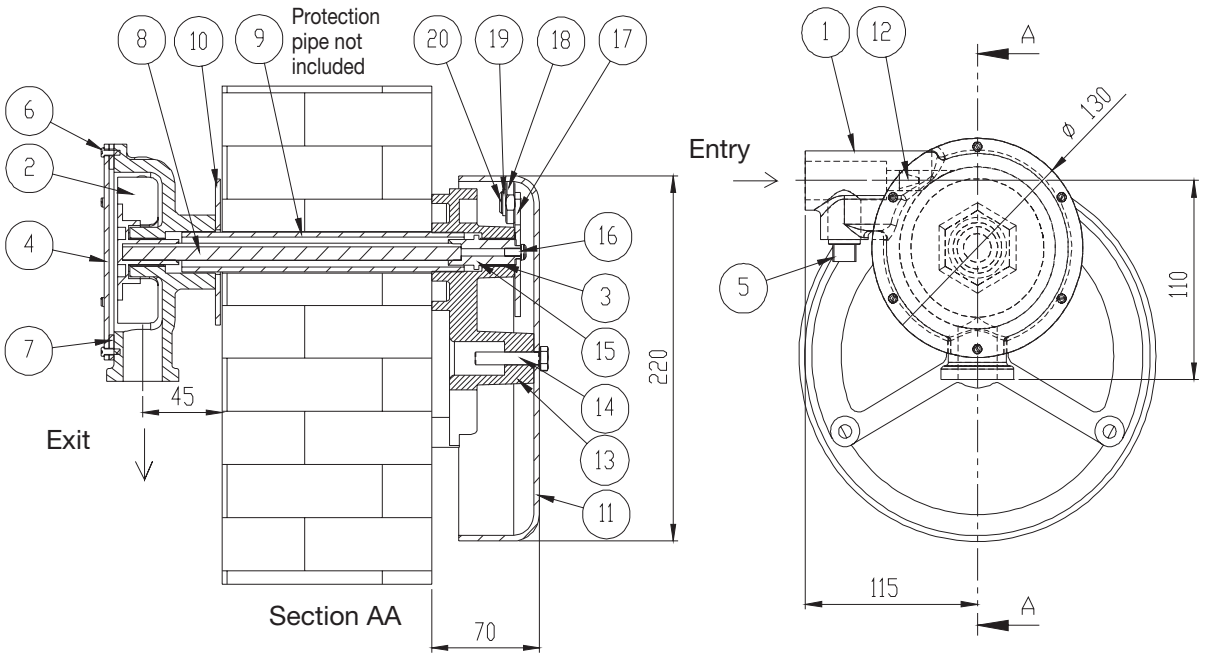
Operation
When, in the case of a fire emergency, the sprinkler system is activated, flowing water enters the Water Motor Gong inlet and strikes the impeller. Rotating in a turbine fashion, the impeller transmits its torque to the striker assembly which sounds the alarm. The water, after it impinges on the impeller, flows through the drain outlet in the impeller housing.

Maintenance
1. The ¾” strainer, located af the dry pipe valve or alarm valve in the alarm line, should be periodically cleaned to assure sufficient flow to the Water Motor Gong.
2. The cleanout plug (item 5) should be periodically removed to avoid any accumulation of trash and scale that may have passed through the strainer.
3. The inside of the gong (item 11) should be checked, periodically, for accumulation of foreign material.

Water motor gong model “E”

	Weight [kg/pc]	Packing [pc]	Code
Needed for each sprinkler valve	4	**1**	WMGEE

Water motor gong model E



Part list

Item	Desciption	Part No.	Item	Desciption	Part No.
1	Impeller housing	501-038	**11**	Gong	301-046
2	Impeller	501-036	**12**	Brass bushing	
3	Bearing	101-103	**13**	Bracket	501-037
4	Cover, impeller housing	101-109	**14**	Bolt	101-117
5	Cleanout plug	101-207	**15**	Striker shaft	101-104
6	Cover screw	101-115	**16**	Striker bracket screw	101-116
7	Gasket, cover	101-110	**17**	Striker bracket	101-100
8	Driveshaft	101-107	**18**	Striker	101-101
9	Driveshaft housing	101-108	**19**	Striker washer	101-113
10	Spacer	101-134	**20**	Shoulder rivet	101-303

Lightweight - easy to install - efficient - dependable

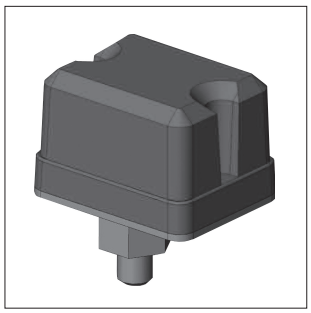
MEFA Water Motor Gong is for the Sprinkler Contractor who wants a quality, efficient and dependable water-alarm. It is lightweight (less than 15 lbs.), rugged and easy to install. MEFA design is the result of many requests from sprinkler contractors for the type Water Motor Gong that they felt would answer their needs.

NFPA Panphlet no. 13
Water motor gong rules
Water-motor-operated devices shall be located as near the alarm valve, dry-pipe valve or other water flow detecting device as practicable in order to avoid long runs or many fittings in the pipe to the water-motor operated device. The total length oft he pipe should not exceed 75 feet nor shall the water-motor-operated device be located over 20 feet above the alarm device or dry-pipe valve. If absolutely necessary to exceed 75 feet, the pipe line to the water-motor-operated device shall be increased one or more sizes to compensate for loss of pressure due to hydraulic friction. For all types of sprinkler systems employing water-motor-operated alarms, an approved 3/4 inch strainer shall be installed at the alarms outlet of the water flow detecting device except that when a retarding chamber is used in connection with an alarm valve, the strainer shall be located at the outlet of the retarding chamber unless the retarding chamber is provided with an approved integral strainer in its outlet. Water-motor-operated devices shall be protected from the weather, and shall be properly aligned and so installed as not to get out of adjustment. All piping to these devices shall be galvanized or brass of a size not less than 3/4 inch, and larger for long runs of piping or where pressures are low. Piping shall be arranged to drain properly through a brass brushed orifice not larger than 1/8 inch. Drain shall be conducted to a proper place.

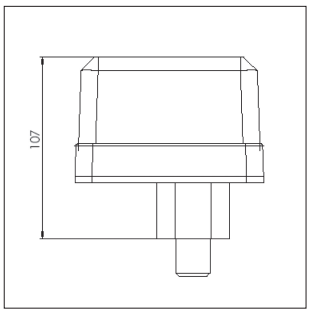
No single mechanical alarm device should be connected to more than three sprinkler systems and the systems controlled by the valves should be in the same fire area.

EUROFIRE

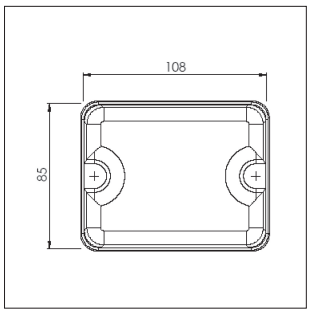
Pressure switch EPS10



Pressure switch EPS10



Side view



Top view

APPROVED
For Listing/Approval Details and Limitations contact MEFA Sales Representative.

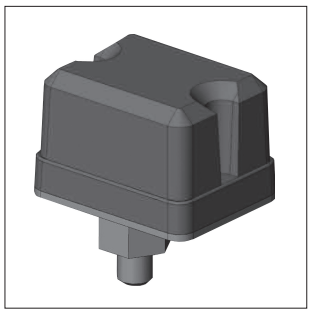
Description
- Origin: System Sensor®
- The EPS10 series switches are designed for use in wet, dry, deluge and pre-acti0n automatic sprinkler systems to indicate the discharge of a sprinkler.
- The EPS10.1 has a single SPDT switch while the EPS10.2 model contains two SPDT switches..
- Sensitivity adjustment wheel do not require the use of a tool and can be set by hand.
- The reinforced diaphragm resists pressure spikes.

Technical specifications
- Maximum operating range: 17.2 bars
- Differential: approximately 0.2 bars throughout range
- Maximum adjustment pressure range: 0.28 to 1.38 bars
- Factory setting: 0.28 to 0.55 bars
- Pressure connexion: 1/2" NPT male glass reinforced nylon
- EPS10-1: 1 set SPDT
- EPS10-2: 2 sets SPDT
- 10.0 A @ 125/250 V-2.4 A @ 6/12/24 v
- Dimensions: 130x840><108 mm
- Weight: 0.54 kg
- Operating temperature range: -40°C to +70°C
- Rated UL 4x, NEMA for indoor and outdoor use.

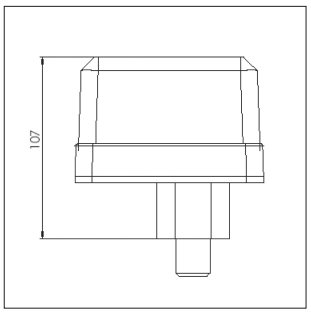
Water Pressure switch EPS10

Type	Number of contact	Weight [kg/pc]	Packing [pc]	Code
EPS10-1	1	0,54	1	EPS10-1
EPS10-2	2	0,54	1	EPS10-2

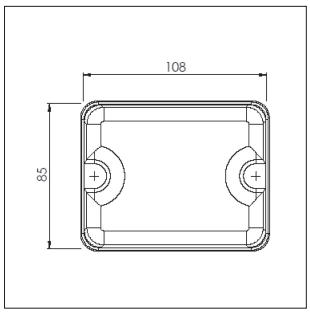
Pressure switch EPS40



Pressure switch EPS40



Side view



Top view

APPROVED
For Listing/Approval Details and Limitations contact MEFA Sales Representative.

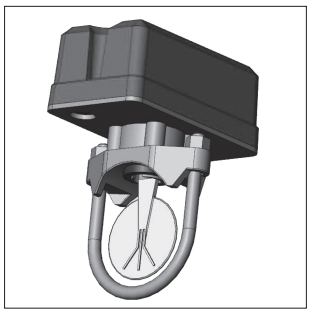
Description
- Origin: System Sensor®
- The EPS40 series switches are designed for use in dry pipe systems or pressure tanks and water pressure supplies of automatic water control valves.
- The EPS40.1 has a single SPDT switch while the EPS40.2 model contains two SPDT switches.
- Sensitivity adjustment wheel do not require special tools and can be set by hand.
- Reinforced diaphragm resists pressure spikes.
- All models are factory set for use in nominal 2.6 bars system.
- The EPS40-1 is factory set to respond at 2.07 bars at decreasing pressure.
- The EPS40.2 is factory set to respond at 3.45 bars on rising pressure and 2.07 bars at decreasing pressure.

Technical specifications
- Maximum operating pressure: 17.2 bars
- Differential: approximately 0.2 @ 0.69 bars, 0.41 @ 6.89 bars
- Maximum adjustment pressure range: 0.69 to 6.89 bars
- Factory setting for EPS10.1: operates at decreasing pressure at 2.07 bars
- Factory setting for EPS40.1: operates at decreasing pressure at 2.07 bars and increasing pressure at 3.45 bars
- Pressure cohnexion: 1/2" NPT male
- Switch contact rating: EPS40.1: 1 set SPDT
- Switch contact rating EPS40.2: 2 sets SPDT
- 10.0A@ 125/250V- 2.4A@ 6/12/24V
- Dimensions: 130x840x108 mm
- Weight: 0.54 kg
- Operating temperature range: -40°C to +70°C
- Rated UL4x, NEMA 4 for indoor or outdoor use

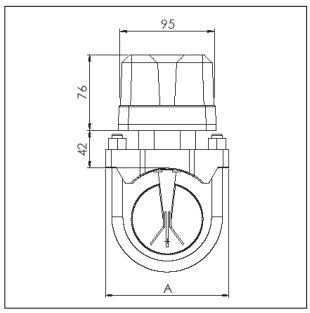
Air pressure switch EPS40

Type	Number of contact	Weight [kg/pc]	Packing [pc]	Code
EPS40-1	1	0,54	1	EPS40-1
EPS40-2	2	0,54	1	EPS40-2

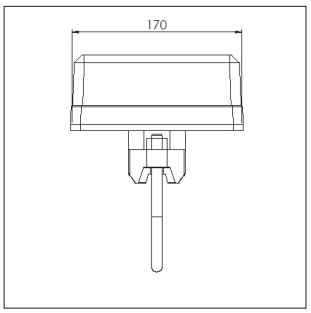
Water flow detector switch



Water flow switch



Side view



Top view

APPROVED
For Listing/Approval Details and Limitations contact MEFA Sales Representative.

Description

The vane type WFDE series water flow detector can be installed in either a vertical upflow or horizontal pipe run. Itmust be positioned at least 0.15m from any fitting that may change water flow or direction, and 0.61m from a valveor drain. It in Body rates a mechanical retard feature to minimize the risk of false alarm.

- Suitable for indoor and outdoor use, IP54 Enclosure.
- Temperature range 0°C – 49°C.
- Flow rate band width 20 – 57 litres per minute.
- Two sets of Single Pole Double Throw (Form C) contacts, 10 A @ 125/250 VAC, 2.5 A @ 24 VDC.
- Tamper resistant cover

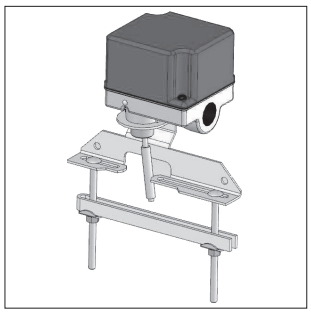
Technical specifications

- Maximum working pressure: 17,2 Bar
- Maximum test pressure: 34,5 Bar
- Flow rate LPM: CE=20-54
- Flow rate LPM: FM= 15-38
- Temperature: da 0 a 49°C
- Classification: IP54
- Contact ratings: 10.0 A a 125/250 VAC - 2.5 A a 25 VCC

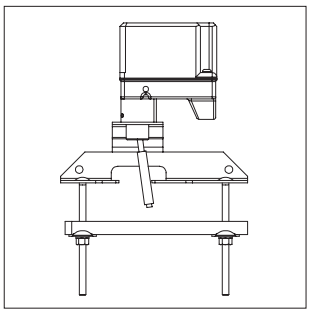
Water flow detector switch

Models	Pipe Size	Ø [mm]	Pipe wall thickness [mm]	Hole Size	Weight [kg./pc.]	Packing [pc]	Code
WFD20	50	60,3	2.6-3.6	32	1.85	1	2W
WFD25	65	76,1	2.6-3.6	32	1.85	1	25W
WFD30	80	88,9	2.6-3.6	32	2.05	1	3W
WFD40	100	114,3	3.2-4.5	51	2.36	1	4W
WFD50	125	139,7	-	51	2.77	1	5W
WFD60	150	168,3	4.0-5.0	51	3.03	1	6W
WFD80	200	219,1	4.5-6.3	51	3.45	1	8W
WFDT	25-32-40	Threaded pipe		Tee ?x1/2"x?	1.20	1	WFDT

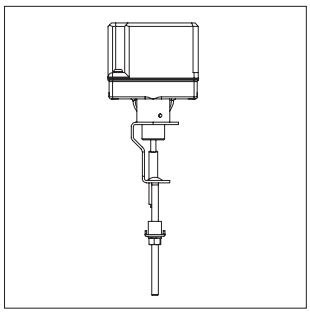
Supervisory switch OSY2



Supervisory switch OSY2



Front view



Side view

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For Listing/Approval Details and Limitations contact MEFA Sales Representative.

Description

- Origin System Sensor®
- OSY supervisory switch is used to monitor the open position of an Outside Screw and Yoke (OS&Y) type gate valve.
- Switch shall be mounted so as not to interfere with the normal operation of the valve and shall be adjusted to operate within two revolutions of the valve control or when the stem has moved no more than one fifth of the distance from its normal position.
- Mounting position can be vertical (down), horizontal but should not be vertical (pointing up).
- It can be fitted on most OSY valves from 1" to 12"

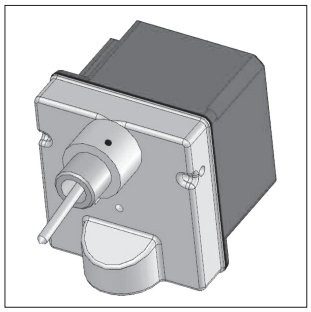
Technical specifications

- FM, UL and CE approved for indoor and outdoor use (vertical position only)
- 2 sets of SPDT 10.0A @ 125/250V—2.5A @ 6/12/24V
- Dimensions: 146x89x82 mm
- Weight: 1.3 kg
- Bracket span: 57x171x25 mm
- Maximum stem extension: 67 mm
- Conduit entrance: one single side open for 1/2" conduit
- Operating temperature range 0°C to 49°C

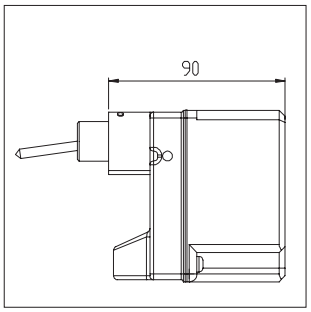
Supervisory switch OSY2

Type	Number of contact	Weight [kg/pc]	Packing	Code
OSY	2	1,3	1	QSY2

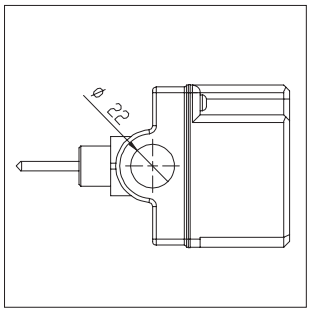
Supervisory switch PIBV2



Supervisory switch PIBV2



Front view



Side view

APPROVED
For Listing/Approval Details and Limitations contact MEFA Sales Representative.

Description

- Origin: System Sensor®
- The PIBV2 supervisory switch monitors the open position of post indicator and butterfly control valves.
- Switches shall be mounted so as not to interfere with the normal operation of the valve.
- It is made to operate within two revolutions of the valve control or when the valve flag has moved no more than one fifth of the distance from its normal position.

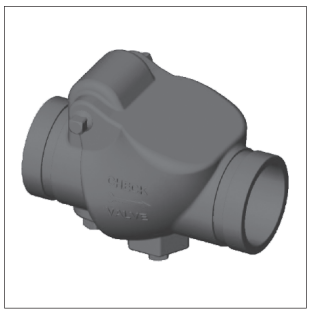
Technical specifications

- FM, UL and CE approved
- 2 sets of SPDT 10.0A @ 125/250V—2.5A @ 6/12/24V
- Dimensions: 108x89x82 mm
- Weight: 0.9 kg
- Mounting 1/2" NPT Maximum stem extension: 5.4 mm
- Conduit entrance: one single side open for 1/2" conduit
- Operating temperature range: 0°C to 49°C

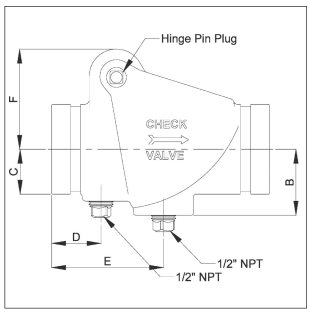
Supervisory switch PIBV2

Type	Number of contact	Weight [kg/pc]	Packing	Code
PIBV2	2	0,9	1	PIBV2

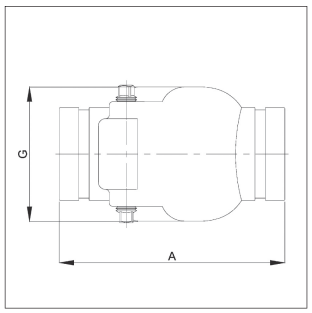
Check valve



Check valve



Side view



Top view

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Description
The Check Valve is a compact, cost effective valve offering low pressure-drop, non-slam performance. The CheckValve assembly is lighter and faster to install than flanged and wafer valve assemblies.In the full-open position the swing clapper is held tightly against the valve body, out of the flow stream, to providemaximum flow area and prevention of clapper flutter. The clapper design produces quick, non-slam closure beforeflow reversal can occur, while meeting FM requirements for an anti-water hammer valve rating.Each valve is hydrostatically tested for leak tightness to 34.5 Bar. The clapper-seat design permits leak free sealingof back pressures in service conditions ranging from 20.7 Bar to as low as 0.07 Bar (710mm water head).

Pressure & Temperature

Max Working Pressure:	20,7 bar
Max Test Pressure:	34,5 bar
Max Working Temperature:	-10°C a +100°C

Material Specification

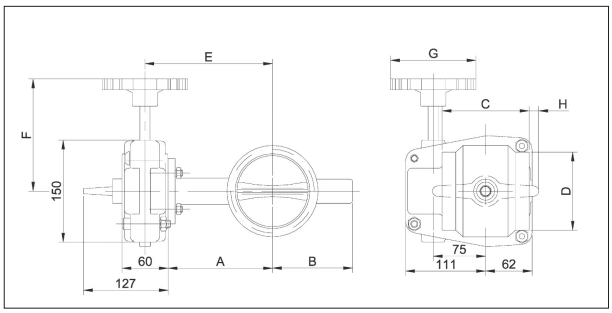
Item	Material
Body	Ductile iron conforming to ASTM A 536 Epoxy coated
Colour	Red
Clapper	2" - 5" Type 304 or 302 stainless steel to ASTM A 167 6" - 8" Ductile iron conforming to ASTM A 536, Grade 65-45-12
Clapper Facing	Grade E EPDM - -40°C to 110°C service temperature range housing
Seat Ring	Type 304 stainless steel to ASTM A 123, ASTM A 312, ASTM A 213 or ASTM A 269
Spring	Type 302 stainless steel to ASTM A 313
Hinge Pin	Type 304 or 302 stainless steel to ASTM A 580
Hinge Pin Bushings	Sintered bronze to ASTM B 438
Hinge Pin and Drain Plugs	Cast iron to ASTM A 126 Class A

Check valve

Size [inch]	Pipe O/D [mm]	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	G [mm]	Weight [kg/pc]	Code
2	60	171	60	36	44	105	81	111	3,6	VRS060
2 1/2	73	184	61	39	44	97	86	114	3,8	VRS073
2 1/2	76	184	61	39	44	97	86	114	3,8	VRS076
3	89	197	67	51	46	103	93	125	6,2	VRS089
4	114	206	79	57	64	128	108	152	9,0	VRS114
6	165	324	108	84	79	159	171	216	26,0	VRS165
6	168	324	108	84	79	159	171	216	26,0	VRS168
8	219	371	128	100	102	151	203	260	32,0	VRS219

Buttefly valve grooved

Buttefly valve grooved



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Pressure & Temperature

Max Working Pressure:	20,7 bar
Max Test Pressure:	41,4 bar
Max Working Temperature:	+120°C

Factory installed UL Listed Double Tamper Switch for Indoorand Outdoor Use

Material Specification

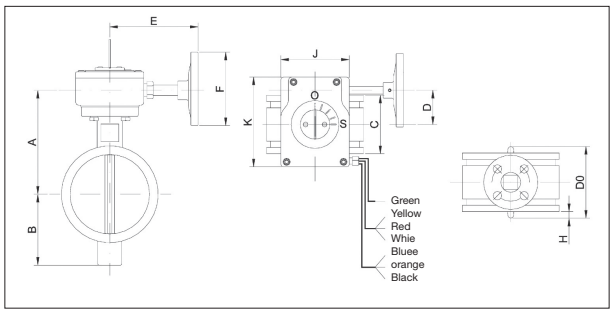
Item	Material	ASTM
Body	Ductile Iron	ASTM A-536 covered Nylon-11
Disc	Ductile Iron	ASTM A-536 covered EPDM
Upper & Lower Stems:	Ductile Iron	AISI 4520-SS
Worm Gear Shaft	Ductile Iron	AISI 410-SS
Housing	Ductile Iron	ASTM A-536
Hand Wheel	Ductile Iron	ASTM A-536
Flag Indicator	Ductile Iron	ASTM A-536
Shear Pin	Ductile Iron	ASTM A-510
Segment Gear	Bronze	ASTM B-148 o B-584
Housing Gasket	Rubber	EPDM Grade “E”
O-ringss (All)	Rubber	EPDM Grade “E”

Buttefly valve grooved

Size [mm]	Pipe O/D [mm]	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	G [mm]	H [mm]	Weight [kg/pc]	Code
65	73	105	85	96,4	73	135	128	128	-	9,5	VFS073
65	76	105	85	96,4	76	135	128	128	-	9,5	VFS076
80	89	112	92	96,4	89	142	128	128	-	10,0	VFS089
100	114	145	108	115,4	114	175	128	128	-	12,0	VFS114
150	165	179	145	132,4	165	209	220	220	7,1	17,0	VFS165
150	168	179	145	132,4	168	209	220	220	7,1	17,0	VFS168
200	219	204	170	147,4	219	234	220	220	24,2	22,0	VFS219

Buttefly valve grooved

Buttefly valve grooved



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Pressure & Temperature

Nominal Pressure:	20 bar
Hydraulic Shell Test Pressure:	30 bar
Hydraulic Seat Test Pressure:	22 bar
20 Bar at:	-10°C a +100°C
Suitable Media:	Water, Oil, Gas

Material Specification

Item	Material	BS
Body	Ductile Iron	2789 Gr 500/7 ric. FBE
Disc	Ductile Iron	2789 Gr 500/7 ric. EPDM
Shaft	Ductile Iron	970 416 S21
Bushings	PTFE	
O-rings	EPDM	

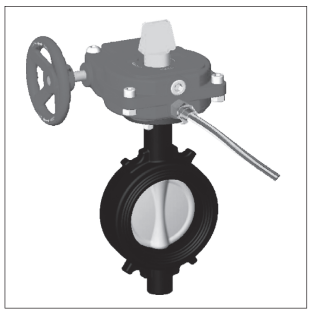
Buttefly valve grooved

Size [mm]	Pipe [mm]	A [mm]	B [mm]	C [mm]	D [mm]	Do [mm]	E [mm]	F [mm]	K [mm]	J [mm]	H [mm]	Weight [kg/pc]	Code
65	73	140	85	96	53	61,5	115	115	145	110,0	-	7,2	VFSA073
65	76	140	85	96	53	61,5	115	115	145	110,0	-	7,2	VFSA076
80	89	145	97	96	53	75,0	115	115	145	110,0	-	7,8	VFSA089
100	114	175	115	118	53	97,0	115	115	145	110,0	-	9,8	VFSA114
150	165	210	155	145	53	145,0	115	115	145	110,0	-	15,7	VFSA165
150	168	210	155	145	53	145,0	115	115	145	110,0	-	15,7	VFSA168
200	219	257	180	134	80	198,0	175	165	200	160,0	32	24,1	VFSA219
250	273	314	230	160	80	248,0	175	165	200	160,0	44	37	VFSA273
300	324	339	260	166	80	298,0	175	165	200	160,0	66	43,3	VFSA324

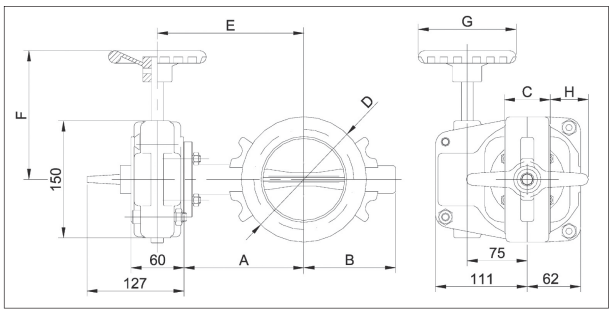
Note:

1. Grooved ends available for ANSI/Metric and AWWA pipe.
2. Pressure and temperature ratings require the use of couplings with equivalent pressure ratings.
3. Top Flange conforms to ISO 5211/1
4. Gearbox supplied as standard with gear operator, position indicator and tamper switch.
5. Complies with and meets the requirements of LPCB (BS5306 Part2)

Buttefly valve wafer



Buttefly valve wafer



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Description
Universal wafer type Butterfly Valve Suitable for Connecting to ANSI B 16 Class 125, ISO 2084 / Din 2501 PN16 & BSEN 1092 PN 16 Flanges. (Conforms to BS 593:1998).
Factory Installed UL Listed Double Tamper Switch for Indoor and Outdoor Use.

Pressure & Temperature

Max Working Pressure:	12 bar
Max Test Pressure:	25 bar
Max Working Temperature:	120°C

Material Specification

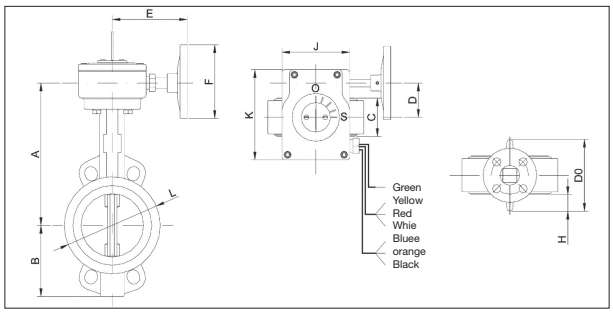
Item	Material	ASTM
Body	Ductile Iron	ASTM A-536 ricoperto EPDM
Disc	Ductile Iron	B-584 encapsuled nikel chromo
Upper & Lower Stems	Ductile Iron	AISI 420-SS
Worm Gear Shaft	Ductile Iron	AISI 410-SS
Housing	Ductile Iron	ASTM A-536
Hand Wheel	Ductile Iron	ASTM A-536
Flag Indicator	Ductile Iron	ASTM A-536
Shear Pin	Ductile Iron	ASTM A-510
Segment Gear	Bronze	ASTM B-148
Housing Gasket	Rubber	EPDM Grado “E”
O-Rings (All)	Rubber	EPDM Grado “E”

Buttefly valve wafer

Size [mm]	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	G [mm]	H [mm]	Weight [kg/pc]	Code
65	105	85	46	92	135	135	125	9,5	8,3	VFW065CS
80	112	92	46	107	142	135	125	16,0	9,2	VFW080CS
100	145	108	52	128	175	135	125	25,0	10,1	VFW100CS
150	180	145	56	181	210	193	225	45,3	14,5	VFW150CS
200	204	170	60	234	232	193	225	68,5	19,5	VFW200CS

Buttefly valve wafer

Buttefly valve wafer



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Pressure & Temperature

Max Working Pressure:	16 bar
Hydraulic shell test pressure:	24 bar
Hydraulic seat test pressure:	17.6 bar
20 bar at:	-10°C a +120°C
Suitable media:	acqua, olio, gas

Rated at 20 bar working pressure cold water only

Material Specification

Item	Material	BS
Body	Ductile Iron	2789 Gr 500/7 ric. FBE
Disc	Ductile Iron	2789 Gr 500/7 ric. EPDM
Shaft	Stailess Steel	970 416 S21
Bushings	PTFE	
O-rings	EPDM	

Buttefly valve wafer

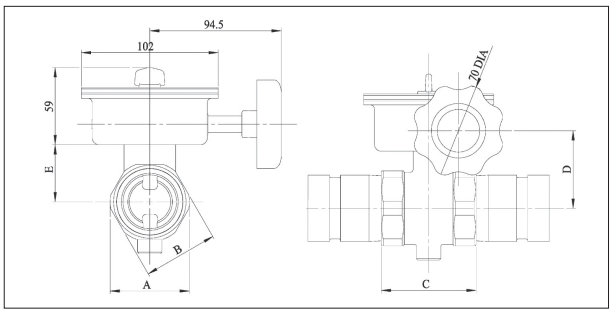
Diameter DN [mm]	A [mm]	B [mm]	C [mm]	D [mm]	Do [mm]	E [mm]	F [mm]	K [mm]	J [mm]	H [mm]	L [mm]	Weight [kg/pc]	Code
50	191	80	42	53	58	115	115	145	110	8	90	8,3	VFWA050
65	203	91	45	53	73	115	115	145	110	14	110	8,3	VFWA065
80	211	95	45	53	83	115	115	145	110	19	126	9,1	VFWA080
100	230	115	50	53	102	115	115	145	110	26	154	10,2	VFWA100
150	255	138	56	53	152	115	115	145	110	48	210	13,9	VFWA150
200	271	170	60	80	202	175	165	200	160	71	265	24,7	VFWA200
250	326	198	68	80	252	175	165	200	160	92	320	33,4	VFWA250
300	366	240	80	80	302	175	165	200	160	111	370	42,3	VFWA300
350	413	267	80	80	336	175	165	200	160	128	430	50,6	VFWA350

Note:

1. Conforms to BS EN 593, MSS SP-67
2. Bolt circles are carefully designed to fit the following flange types: BS EN 1092 PN16, BS 10 D/E, ANSI 125
3. Top Flange conforms to ISO 5211/1
4. Gearbox supplied as standard with gear operator, position indicator and tamper switch

Ball valve grooved

Ball valve grooved



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Description
Size range 1 1/4", 1 1/2" NPT threaded complete with grooved adaptors, 2" grooved only.

Pressure & Temperature

Max Working Pressure:	12 bar
Max Test Pressure:	25 bar
Max Working Temperature:	120°C

Factory installed UL Listed Double Tamper Switch for Indoor and Outdoor Use

Material Specification

Item	ASTM
Body	ASTM B-505
Disc	ASTM B-584 EPDM Encapsulated
Upper Stem	ASTM A-564 Type XM 12
Lower Stem	ASTM A-564 Type XM 12
Gear Housing Cove	ASTM A-619
Hand Wheel	ASTM A-619
Flag Indicator	ASTM B-16
York Mechanism	ASTM A-283
Stem Bushing	ASTM B-16
Conduit Connector	ASTM A-307
O-Flings (All)	EPDM Grade "E"
Cover Gasket	NBR

Ball valve grooved

Diameter DN [mm]	D/E Pipe [mm]	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	Overall length with grooved adaptors [mm]	Weight [kg/pc]	Code
32	42,2	54	49	67	56	41.0	140	1,7	VSS042
40	48,3	60	70	73	59	61.3	140	1,9	VSS048
50	60,3	N/A	N/A	114	64	49.0	N/A	2,3	VSS060

Butterfly valves design & installation

The MEFA butterfly valve should be connected to the piping system with appropriate couplings or flanges. Flow may be from either direction, and the valve may be positioned in any direction.
MEFA butterfly valves have been designed with a slow close hand wheel operator, which effectively minimizes water hammer. These valves feature minimum flow restriction and pressure loss when in the fully open position.

Installation

When the valves are received from the manufacturer they should be handled carefully to avoid breakage and damage to the seating area. Before installation of the valve, clean piping, flange and coupling. When the valves close hard, it is usually due to debris lodged in the seating area. Often this may be corrected by backing off the hand wheel and closing again.

The valve should never be forced to seat by applying a wrench to the hand wheel as this may distort the valve components or score the sealing surface. Care must be taken to align wafer valves correctly so that the disc operation to the fully open position will not be obstructed. The use of excessive force to open or close the valve purpletes all warranties whether express or implied.

The inlet and outlet pipe adjacent to the valve should be properly supported to prevent excessive stress on the valve body. The valve should not be used to force a pipeline into position as this may result in the distortion of the valve body.

Care and maintenance

MEFA butterfly valves require no regular maintenance, however, it is advisable to inspect and verify proper operation of the unit annually or in accordance with the authority having jurisdiction.

The inspection should include a visual check for leakage at the pipe connection and body to operator connection. Inspection and maintenance should be performed by a qualified inspection service.

Switch installation

MEFA butterfly valves are provided with internal supervisor position switches. The tamper switch operates by a cam connected to the valve stem. The switch will change position and close within two (2) full turns oft he hand wheel from the fully open position.

Switch #1

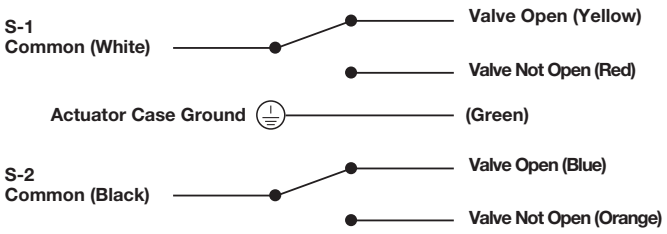
For connection to the supervisory circuit

Normally Open:	1 Yellow
Normally Closed:	1 Red
Common:	1 White
Ground Lead:	1 Green

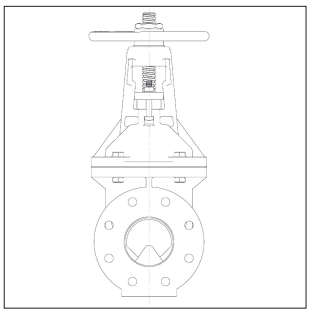
Switch #2

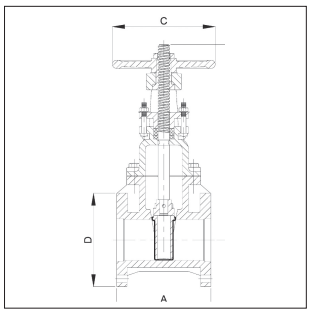
Auxiliary switch connected per authority

Normally Open:	1 Bluee
Normally Closed:	1 orange
Common:	1 Black
Ground Lead:	1 Green



OS&Y gate valve





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OS&Y Gate valve

Pressure & Rating
Max Working Pressure: 13,8 bar

Material Specification

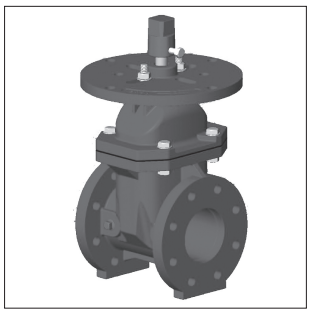
Item	Material
Body	Cast Iron, ASTM A126 Class. B
Wedge Disc	Cast Iron, ASTM A126B + EPDM Coated
Stem Nut	Bronze, ASTM B62 C83600
O-ring	Rubber, EPDM
Stem	Stainless Steel, AISI 420
O-ring (Cover)	Rubber, EPDM
Bonnet	Cast Iron, ASTM A126 CL.B
Packing	Sq. Braided Non-Asbestos
Packing Gland	Cast Iron, ASTM A126 CL. B
Yoke Nut	Bronze, ASTM B62 C83600
Washer	Plastic, PTFE
Handwheel	Ductile Iron, ASTM A536 Gr. 65-45-12
Lock Nut	Bronze, ASTM B62 C836000

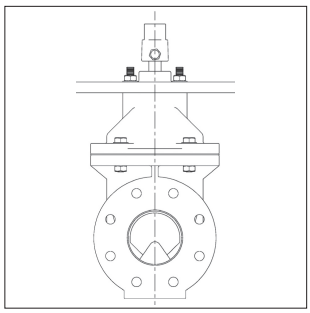
OS&Y Gate valve

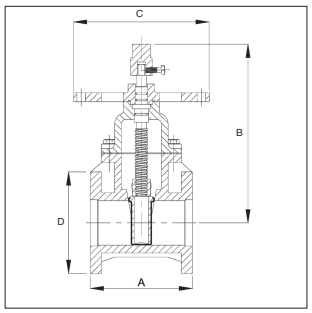
Size [mm]	A [mm]	B (Open) [mm]	B (Closed) [mm]	C [mm]	D [mm]	Weight [kg/pc]	Code
65	190,5	422,0	359,0	184,0	178,0	25,5	SVE065
80	203,0	482,5	406,5	254,0	190,5	31,5	SVE080
100	229,0	568,0	467,0	254,0	228,6	47,0	SVE100
150	267,0	765,0	613,0	305,0	279,4	78,5	SVE150
200	292,0	945,0	743,0	355,5	343,0	110,0	SVE200
250	330,0	1.175,0	921,0	444,5	406,4	195,0	SVE250
300	356,0	1.416,0	1.111,0	444,5	483,0	310,0	SVE300

Notes:
1. Design and dimensions conform to AWWA C509
2. Flat Faced Flange drilled PN 16. Other flange types available on special order
3. Fusion bonded epoxy coated inside and out.
4. Optional ASTM B16 Brass Stem available to order

Post indicator valve







Post indicator valve

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Pressure & Temperature
Max Working Pressure: 13,8 bar

Material Specification

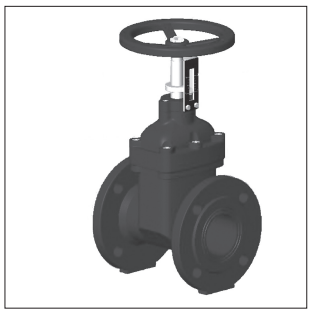
Item	Material
Body	Cast Iron, ASTM A126 Class B
Wedge Disc	Cast Iron, ASTM A126 + EPDM Coated
Stem Nut	Bronze, ASTM B62 C83600
O-ring	Rubber EPDM
Stem	Stainless Steel, AISI 420
Gasket	EPDM
Bonnet	Cast Iron, ASTM 126 Class B
Rondella	Plastic, PTFE
Post Plate	Cast Iron, ASTM A126 Class B
Bolts & Nuts	Ductile Iron, ASTM A536-65-45-12

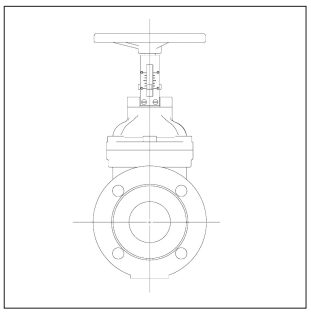
Post indicator valve

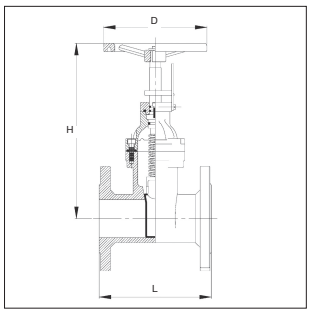
Size [mm]	A [mm]	B [mm]	C [mm]	D [mm]	Weight [kg/pc]	Code
65	190,5	422,0	-	178,0	25,0	SIP065
80	203,0	482,5	-	190,5	31,0	SIP080
100	229,0	448,0	305,0	228,6	55,0	SIP100
150	267,0	523,0	305,0	279,4	81,0	SIP150
200	292,0	628,0	305,0	343,0	115,0	SIP200
250	330,0	706,0	305,0	406,4	186,0	SIP250
300	356,0	762,0	305,0	483,0	290,0	SIP300

Notes:
1. Design and dimensions conform to AWWA C509
2. Flat Faced Flange drilled PN 16. Other flange types available on special order.
3. Fusion bonded epoxy coated inside and out.
4. Optional ASTM B16 Brass Stem available to order
5. Post indicator plates standard on 4” to 12” valves only

Gate valve with indicator







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Gate valve with indicator

Pressure & Temperature

Max Working Pressure: 16 bar
Shell Test Pressure: 24 bar

BS 5163 Type A
Open / Shut position Indicator

Material Specification

Item	Material
Body	Cast Iron, EN1531 EN-GJL-250
Stem	Stainless Steel BS970 416 S21
Wedge	Cast Iron, EPDM coated
Bonnet	Casto Iron DN1691 GG25
Handwheel	Ductile Iron GG40

Gate valve with indicator

Size [mm]	L [mm]	H [mm]	D [mm]	Weight [kg/pc]	Code
50	173,0	220	180	16	SVI050
65	190,0	247	180	18	SVI065
80	203,0	295	200	21	SVI080
100	229,0	343	200	28	SVI100
125	254,0	395	240	36	SVI125
150	267,0	440	240	50	SVI150
200	292,0	545	320	75	SVI200
250	330,0	648	320	122	SVI250
300	356,0	730	400	140	SVI300

Vertical post indicator

Vertical post indicator

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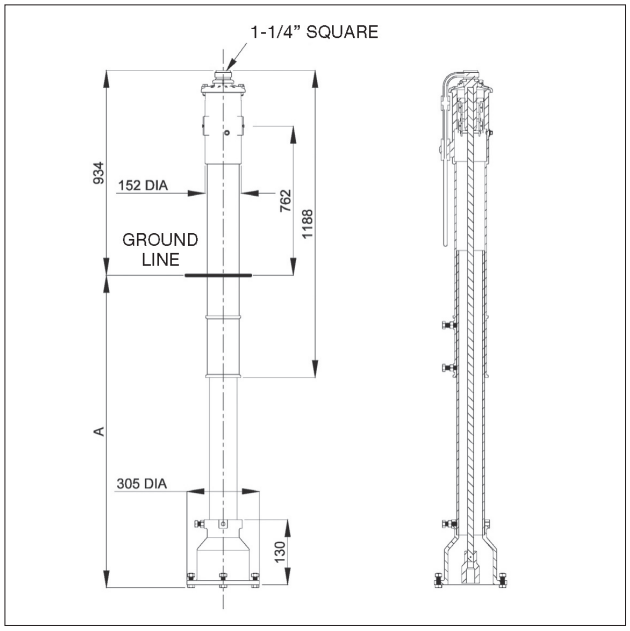


Adjustment Range Dimension A - Min 384mm Max 1284mm

Material Specification

Item	Material
Locking Wrench	ASTM A126-B
Operating Nut	ASTM B-584
O-ring	Buna N
Top Section	ASTM A126-B
Window Glass	Plexiglas
Open Target	Cast Aluminium
Shut Target	Cast Aluminium
Target Carrier Nut	ASTM B-584
Target Carrier Plate	1/16" Sheet Metal
ClampTarget Retainer	AISI 302
Pan Head	Zinc Plated Steel
Hex Nut	Zinc Plated Steel
1/2" NPT Pipe Plug	Malleable Iron
3/8" Eyebolt	Forged Steel
Hex Capscrew	Zinc Plated Steel
Stem 1" Sq.	AISI 1020
Crane Coupling	ASTM A126-B
Cotter Pin	Brass
3/4" Hex Hd. Screw	Zinc Plated Steel
Telescoping Barrel	Cast Iron A126-B
Lower Standpipe	4" DI. CI 52ANSI A21.51
3/4" Hex Hd. Screw	Zinc Plated Steel
Base Flange	Cast Iron A126-B
5/8" Hex Capscrew	Zinc Plated Steel
5/8" Hex Nut	Zinc Plated Steel

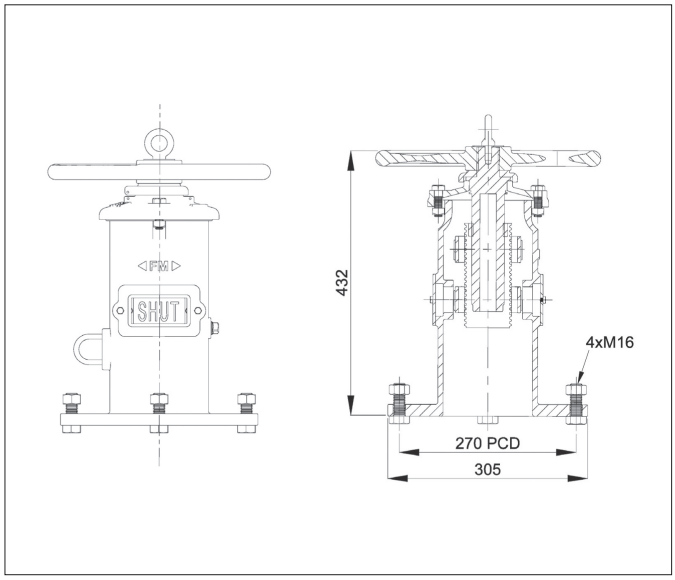
Vertical post indicator	
Description	Code
Vertical Post Indicator	IPV

Notes:
1. Remove the top section from the top of the Indicator Post assembly.
2. Cut the required length off the bottom of the Standpipe for theGround Line to match up with Standpipe Ground Line mark.
3. Cut the 1" square stem bar to suit valve position.
4. Set the "OPEN" and "SHUT" targets for the appropriate valve size.
5. Re-attach the Top Section to the top of the indicator Post assembly.

Wall post indicator

Wall post indicator

APPROVED
For Listing/Approval Details and Limitations
contact MEFA Sales Representative.



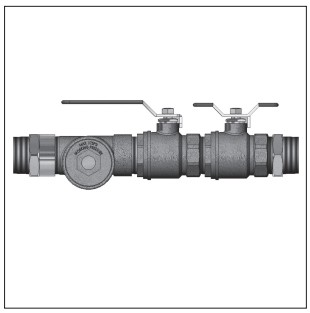
Material Specification

Item	Material
Eye Bolt	Cast Steel ASTM A307B
Hex Bolt, 1/2-13UNC	Cast Steel ASTM A307B
Hex Nut, 1/2-13UNC	Cast Steel ASTM A307B
Washer	Cast Steel ASTM A570Gr.33
Handwheel	Ductile Iron ASTM A536
Snap Ring	AISI 1066
Cover	Cast Iron ASTM A126 B
Operating Nut	Bronze ASTM B62
Target Nut	Bronze ASTM B62
Window Glass	Plexiglas
Gasket	PTFE
Hex Bolt M8x15	Cast Steel ASTM A307B
Plug	Malleable Iron
Target	Cast Aluminium
Hex Bolt M6x15	Cast Steel ASTM A307B
Hex Nut M6	Cast Steel ASTM A307B
Body	Iron grigia ASTM A126 B
Stem 1” Sq	Cast Steel AISI 1045
Crane Coupling	Ductile Iron ASTM A536
Cotter Pin ø1/4” x 3”	Stainless Steel AISI 304

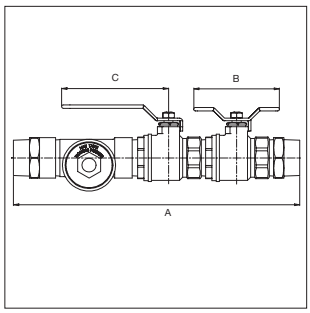
Wall post indicator	
Description	Code
Wall post indicator	IPM

Notes:
1. Remove the top section from the top of the Indicator Post assembly.
2. Cut the 1” square stem bar to suit valve position.
3. Set the “OPEN” and “SHUT” targets for the appropriate valves size.
4. Reattach the Top Section to the top of the Indicator Post assembly.

Test and drain valve



Test and drain valve



Side view

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For Listing/Approval Details and Limitations contact MEFA Sales Representative.

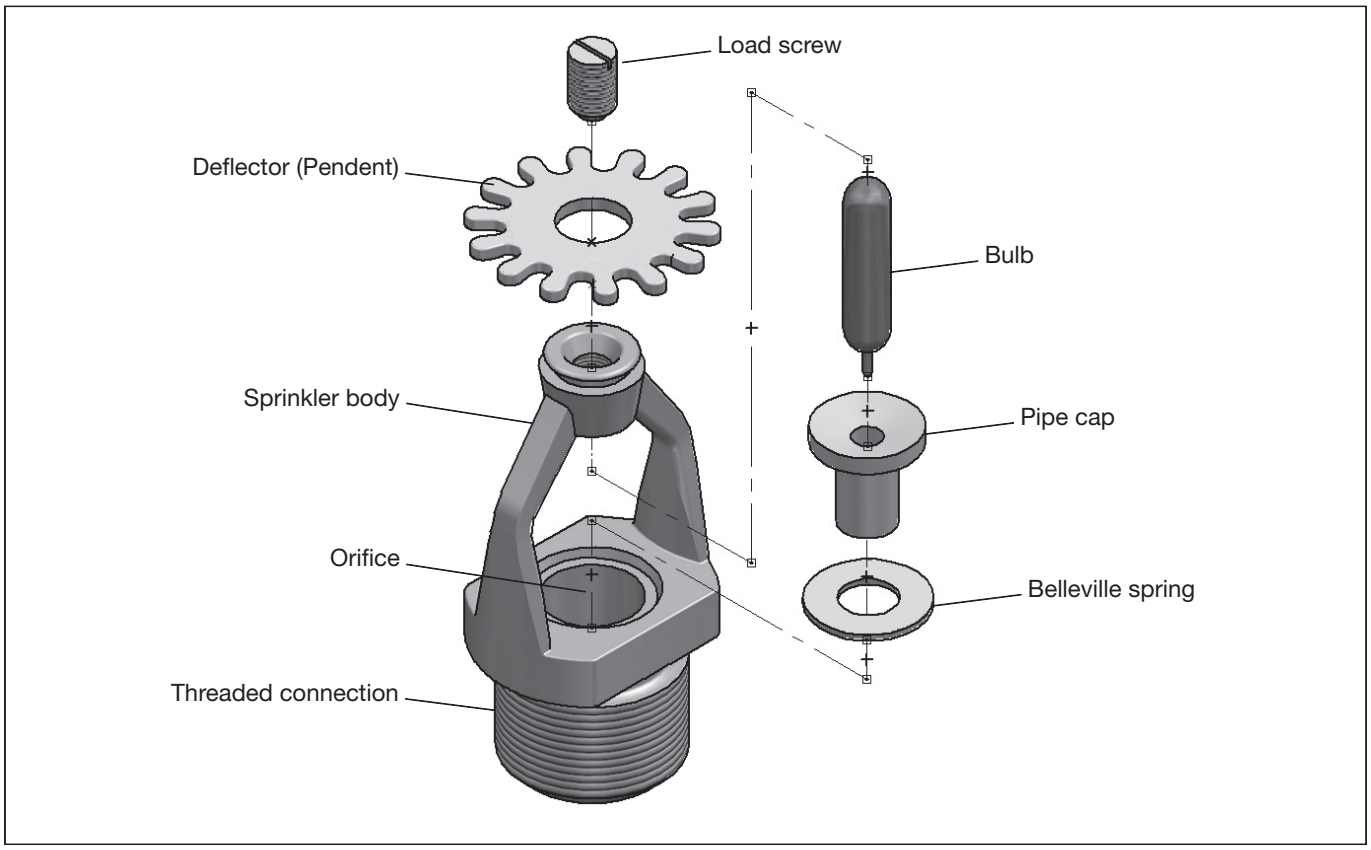
Description
The test and drain valve is a combined two position lever operated ball valve, sight glass and stop valve. Theyincorporate a nominal bore drain valve and 15mm bore test valve. The assemblies are supplied as standard with NPT to BSPT thread adaptors.

Material Specification
- Material: Brass
- Approved: UL
- Working pressure: 12Bar

Test and drain valve

Size [inches]	Size DN	A-NPT [mm]	A-GAS [mm]	B [mm]	C [mm]	Weight [kg/pc]	Packing [pc]	Code
1	25	320	260	110	120		1	VPS025
1 1/4	32	335	270	110	120		1	VPS032
2	50	455	375	135	155		1	VPS050

Spray Sprinkler



Spary Sprinkler
Model G5 standard response
Model F3 quick response

Product description

MEFA sprinkler mod. G5 and F3, Pendent and Upright are small, thermosensitive glass-bulb spray sprinklers. The sprinklers is available in several styles, finishes, temperature ratings, and orifice sizes to meet design requirements. Use in conjunction with one of the various corrosion-resistant coatings, the unit provides protection against many corrosive environments. In addition, the special polyester coating can also be used in decorative applications where colors are desired.

During fire conditions, the heat- sensitive liquid in the glass bulb expands, causing the bulb to shatter, releasing the pip cap and sealing spring assembly. Water flowing through the sprinkler deflector, forming a uniform spray pattern to extinguish or control the fire.

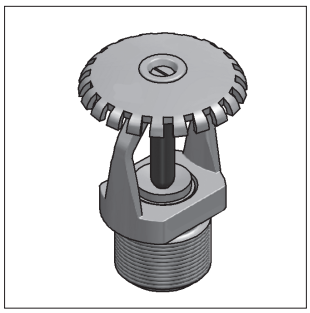
Rating

Sprinkler Temperature classification	Maximum ambient temp. allowed	Glass bulb color
Ordinary 57 °C (135 °F)	38 °C (100 °F)	Orange
Ordinary 68 °C (155 °F)	38 °C (100 °F)	Red
Intermediate 79 °C (175 °F)	65 °C (150 °F)	Yellow
Intermediate 93 °C (200 °F)	65 °C (150 °F)	Green
Intermediate 100 °C (212 °F)	65 °C (150 °F)	Green
High 141 °C (286 °F)	107 °C (225 °F)	Blue
Extra High 182 °C (360 °F)	149 °C (300 °F)	Purple

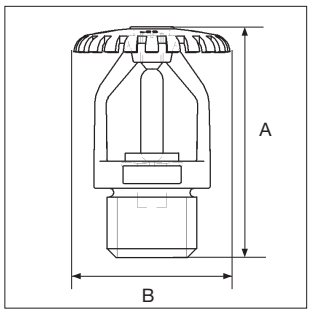
Note:
1.Temperature is printed on the sprinkler deflector.
2. Refer to the appropiate norm and the authority having juristicion for specific information regarding obstruction, spacing limitations and area of coverage requirements

ACCESSORIES:
Installation wrench required for a correct sprinkler installation
Sprinkler cabinet

Sprinkler (Upright), model G5 Standard Response RTI 105, K80



Sprinkler (Upright)



Front view

APPROVED
For Listing/Approval Details and Limitations contact MEFA Sales Representative.

Design/Product Description:

Standard orifice
Upright deflector type
Thread 1/2" Gas (DN15)
K-factor K80 metric (K5.6 US)
Approval: FM and CE according to UNI EN 12259-1: 2002
Note: use the specific installation wrench

Technical specifications:

Material:	Brass
Finishes:	Chrome, black or white coat
Sealing assembly:	Belleville spring
Bulb:	5 mm glass

Brass finish

Temperature rating °C	Temperature rating °F	Bulb color	Dimensions A	Dimensions B	Weight [kg/pc]	Box quantity [pc]	Code
57	135	orange	51	35	0,077	216	6320900250
68	155	red	51	35	0,077	216	6320900251
79	175	yellow	51	35	0,077	216	6320900252
93	200	green	51	35	0,077	216	6320900253
141	286	blue	51	35	0,077	216	6320900254
182	360	purple	51	35	0,077	216	6320900255

Chrome finish

Temperature rating °C	Temperature rating °F	Bulb color	Dimensions A	Dimensions B	Weight [kg/pc]	Box quantity [pc]	Code
57	135	orange	51	35	0,077	216	63C0900250
68	155	red	51	35	0,077	216	63C0900251
79	175	yellow	51	35	0,077	216	63C0900252
93	200	green	51	35	0,077	216	63C0900253
141	286	blue	51	35	0,077	216	63C0900254
182	360	purple	51	35	0,077	216	63C0900255

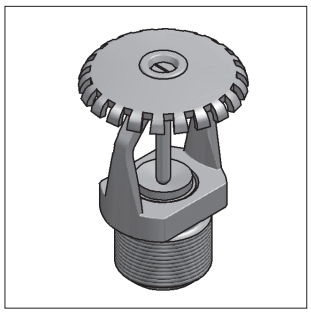
White finish (not approved FM)

Temperature rating °C	Temperature rating °F	Bulb color	Dimensions A	Dimensions B	Weight [kg/pc]	Box quantity [pc]	Code
57	135	orange	51	35	0,077	216	63B0900450
68	155	red	51	35	0,077	216	63B0900451
79	175	yellow	51	35	0,077	216	63B0900452
93	200	green	51	35	0,077	216	63B0900453
141	286	blue	51	35	0,077	216	63B0900454
182	360	purple	51	35	0,077	216	63B0900455

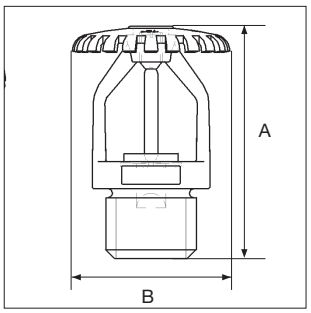
Black finish (not approved FM)

Temperature rating °C	Temperature rating °F	Bulb color	Dimensions A	Dimensions B	Weight [kg/pc]	Box quantity [pc]	Code
57	135	orange	51	35	0,077	216	63N0900450
68	155	red	51	35	0,077	216	63N0900451
79	175	yellow	51	35	0,077	216	63N0900452
93	200	green	51	35	0,077	216	63N0900453
141	286	blue	51	35	0,077	216	63N0900454
182	360	purple	51	35	0,077	216	63N0900455

Sprinkler (Upright), model F3 Quick Response RTI 35, K80



Sprinkler (Upright)



Front view

CE FM

APPROVED
For Listing/Approval Details and Limitations contact MEFA Sales Representative.

Design/Product Description:

Standard orifice
Upright deflector type
Thread 1/2" Gas (DN15)
K-factor K80 metric (K5.6 US)
Approval: FM and CE according to UNI EN 12259-1: 2002
Note: use the specific installation wrench

Technical specifications:

Material:	Brass
Finishes:	Chrome, black or white coat
Sealing assembly:	Belleville spring
Bulb:	3 mm glass

Brass finish

Temperature rating °C	°F	Bulb color	Dimensions A	B	Weight [kg/pc]	Box quantity [pc]	Code
57	135	orange	51	35	0,077	216	6320900220
68	155	red	51	35	0,077	216	6320900221
79	175	yellow	51	35	0,077	216	6320900222
93	200	green	51	35	0,077	216	6320900223
141	286	blue	51	35	0,077	216	6320900224

Chrome finish

Temperature rating °C	°F	Bulb color	Dimensions A	B	Weight [kg/pc]	Box quantity [pc]	Code
57	135	orange	51	35	0,077	216	63C0900220
68	155	red	51	35	0,077	216	63C0900221
79	175	yellow	51	35	0,077	216	63C0900222
93	200	green	51	35	0,077	216	63C0900223
141	286	blue	51	35	0,077	216	63C0900224

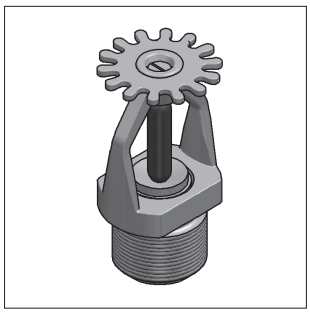
White finish (not approved FM)

Temperature rating °C	°F	Bulb color	Dimensions A	B	Weight [kg/pc]	Box quantity [pc]	Code
57	135	orange	51	35	0,077	216	63B0900420
68	155	red	51	35	0,077	216	63B0900421
79	175	yellow	51	35	0,077	216	63B0900422
93	200	green	51	35	0,077	216	63B0900423
141	286	blue	51	35	0,077	216	63B0900424

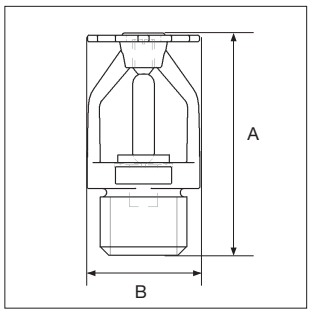
Black finish (not approved FM)

Temperature rating °C	°F	Bulb color	Dimensions A	B	Weight [kg/pc]	Box quantity [pc]	Code
57	135	orange	51	35	0,077	216	63N0900420
68	155	red	51	35	0,077	216	63N0900421
79	175	yellow	51	35	0,077	216	63N0900422
93	200	green	51	35	0,077	216	63N0900423
141	286	blue	51	35	0,077	216	63N0900424

Sprinkler (Pendent), model G5 Standard Response RTI 105, K80



Sprinkler (Pendent)



Front view

CE FM

APPROVED
For Listing/Approval Details and Limitations contact MEFA Sales Representative.

Design/Product Description:

Standard orifice
Pendent deflector type
Thread 1/2" Gas (DN15)
K-factor K80 metric (K5.6 US)
Approval: FM and CE according to UNI EN 12259-1: 2002
Note: use the specific installation wrench

Technical specifications:

Material:	Brass
Finishes:	Chrome, black or white coat
Sealing assembly:	Belleville spring
Bulb:	5 mm glass

Brass finish

Temperature rating °C	Temperature rating °F	Bulb color	Dimensions A	Dimensions B	Weight [kg/pc]	Box quantity [pc]	Code
57	135	orange	51	27	0,077	216	6320900240
68	155	red	51	27	0,077	216	6320900241
79	175	yellow	51	27	0,077	216	6320900242
93	200	green	51	27	0,077	216	6320900243
141	286	blue	51	27	0,077	216	6320900244
182	360	purple	51	27	0,077	216	6320900245

Chrome finish

Temperature rating °C	Temperature rating °F	Bulb color	Dimensions A	Dimensions B	Weight [kg/pc]	Box quantity [pc]	Code
57	135	orange	51	27	0,077	216	63C0900240
68	155	red	51	27	0,077	216	63C0900241
79	175	yellow	51	27	0,077	216	63C0900242
93	200	green	51	27	0,077	216	63C0900243
141	286	blue	51	27	0,077	216	63C0900244
182	360	purple	51	27	0,077	216	63C0900245

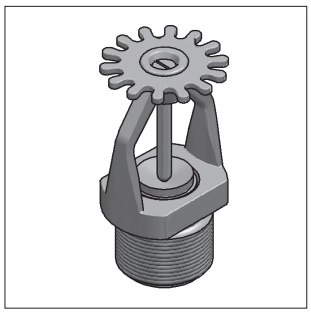
White finish (not approved FM)

Temperature rating °C	Temperature rating °F	Bulb color	Dimensions A	Dimensions B	Weight [kg/pc]	Box quantity [pc]	Code
57	135	orange	51	27	0,077	216	63B0900440
68	155	red	51	27	0,077	216	63B0900441
79	175	yellow	51	27	0,077	216	63B0900442
93	200	green	51	27	0,077	216	63B0900443
141	286	blue	51	27	0,077	216	63B0900444
182	360	purple	51	27	0,077	216	63B0900445

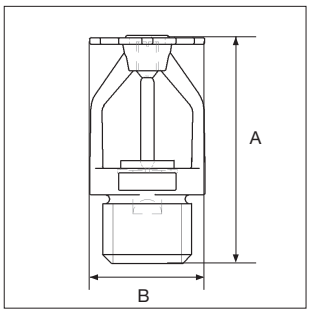
Black finish (not approved FM)

Temperature rating °C	Temperature rating °F	Bulb color	Dimensions A	Dimensions B	Weight [kg/pc]	Box quantity [pc]	Code
57	135	orange	51	27	0,077	216	63N0900440
68	155	red	51	27	0,077	216	63N0900441
79	175	yellow	51	27	0,077	216	63N0900442
93	200	green	51	27	0,077	216	63N0900443
141	286	blue	51	27	0,077	216	63N0900444
182	360	purple	51	27	0,077	216	63N0900445

Sprinkler (Pendent), model F3 Quick Response RTI 35, K80



Sprinkler (Pendent)



Front view

CE FM

APPROVED
For Listing/Approval Details and Limitations contact MEFA Sales Representative.

Design/Product Description:

Standard orifice
Pendent deflector type
Thread 1/2" Gas (DN15)
K-factor K80 metric (K5.6 US)
Approval: FM and CE according to UNI EN 12259-1: 2002
Note: use the specific installation wrench

Technical specifications:

Material:	Brass
Finishes:	Chrome, black or white coat
Sealing assembly:	Belleville spring
Bulb:	3 mm glass

Brass finish

Temperature rating °C	°F	Bulb color	Dimensions A	B	Weight [kg/pc]	Box quantity [pc]	Code
57	135	orange	51	27	0,077	216	6320900210
68	155	red	51	27	0,077	216	6320900211
79	175	yellow	51	27	0,077	216	6320900212
93	200	green	51	27	0,077	216	6320900213
141	286	blue	51	27	0,077	216	6320900214

Chrome finish

Temperature rating °C	°F	Bulb color	Dimensions A	B	Weight [kg/pc]	Box quantity [pc]	Code
57	135	orange	51	27	0,077	216	63C0900210
68	155	red	51	27	0,077	216	63C0900211
79	175	yellow	51	27	0,077	216	63C0900212
93	200	green	51	27	0,077	216	63C0900213
141	286	blue	51	27	0,077	216	63C0900214

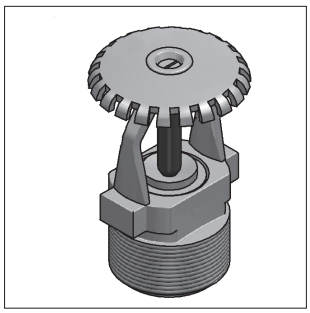
White finish (not approved FM)

Temperature rating °C	°F	Bulb color	Dimensions A	B	Weight [kg/pc]	Box quantity [pc]	Code
57	135	orange	51	27	0,077	216	63B0900410
68	155	red	51	27	0,077	216	63B0900411
79	175	yellow	51	27	0,077	216	63B0900412
93	200	green	51	27	0,077	216	63B0900413
141	286	blue	51	27	0,077	216	63B0900414

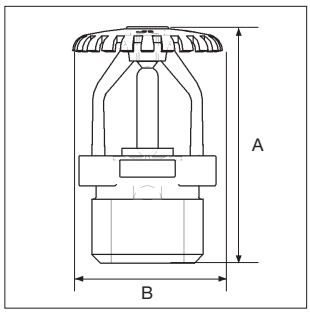
Black finish (not approved FM)

Temperature rating °C	°F	Bulb color	Dimensions A	B	Weight [kg/pc]	Box quantity [pc]	Code
57	135	orange	51	27	0,077	216	63N0900410
68	155	red	51	27	0,077	216	63N0900411
79	175	yellow	51	27	0,077	216	63N0900412
93	200	green	51	27	0,077	216	63N0900413
141	286	blue	51	27	0,077	216	63N0900414

Sprinkler (Upright), model G5 Standard Response RTI 105, K115



Sprinkler (Upright)



Front view

CE

APPROVED
For Listing/Approval Details and Limitations contact MEFA Sales Representative.

Design/Product Description:

Large orifice
deflector type
3/4" Gas (DN20)
K115 metric (K8.0 US)
Approval: CE according to UNI EN 12259-1: 2002
Note: use the specific installation wrench

Upright
Thread

Technical specifications:

Material:	Brass
Finishes:	Chrome, black or white coat
Sealing assembly:	Belleville spring
Bulb:	5 mm glass

Brass finish

Temperature rating °C	Temperature rating °F	Bulb color	Dimensions A	Dimensions B	Weight [kg/pc]	Box quantity [pc]	Code
57	135	orange	51	35	0,077	216	6320900271
68	155	red	51	35	0,077	216	6320900272
79	175	yellow	51	35	0,077	216	6320900273
93	200	green	51	35	0,077	216	6320900274
141	286	blue	51	35	0,077	216	6320900275
182	360	purple	51	35	0,077	216	6320900276

Chrome finish

Temperature rating °C	Temperature rating °F	Bulb color	Dimensions A	Dimensions B	Weight [kg/pc]	Box quantity [pc]	Code
57	135	orange	51	35	0,077	216	63C0900271
68	155	red	51	35	0,077	216	63C0900272
79	175	yellow	51	35	0,077	216	63C0900273
93	200	green	51	35	0,077	216	63C0900274
141	286	blue	51	35	0,077	216	63C0900275
182	360	purple	51	35	0,077	216	63C0900276

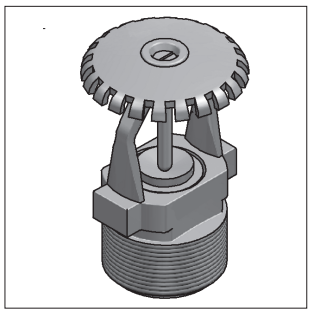
White finish

Temperature rating °C	Temperature rating °F	Bulb color	Dimensions A	Dimensions B	Weight [kg/pc]	Box quantity [pc]	Code
57	135	orange	51	35	0,077	216	63B0900271
68	155	red	51	35	0,077	216	63B0900272
79	175	yellow	51	35	0,077	216	63B0900273
93	200	green	51	35	0,077	216	63B0900274
141	286	blue	51	35	0,077	216	63B0900275
182	360	purple	51	35	0,077	216	63B0900276

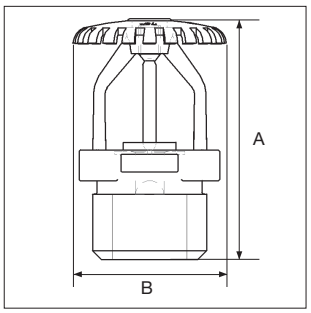
Black finish

Temperature rating °C	Temperature rating °F	Bulb color	Dimensions A	Dimensions B	Weight [kg/pc]	Box quantity [pc]	Code
57	135	orange	51	35	0,077	216	63N0900271
68	155	red	51	35	0,077	216	63N0900272
79	175	yellow	51	35	0,077	216	63N0900273
93	200	green	51	35	0,077	216	63N0900274
141	286	blue	51	35	0,077	216	63N0900275
182	360	purple	51	35	0,077	216	63N0900276

Sprinkler (Upright), model F3 Quick Response RTI 35, K115



Sprinkler (Upright)



Front view

CE

APPROVED
For Listing/Approval Details and Limitations contact MEFA Sales Representative.

Design/Product Description:

Large orifice
deflector type
3/4" Gas (DN20)
K115 metric (K8.0 US)
Approval: CE according to UNI EN 12259-1: 2002
Note: use the specific installation wrench

Upright
Thread

Technical specifications:

Material:	Brass
Finishes:	Chrome, black or white coat
Sealing assembly:	Belleville spring
Bulb:	3 mm glass

Brass finish

Temperature rating °C	°F	Bulb color	Dimensions A	B	Weight [kg/pc]	Box quantity [pc]	Code
57	135	orange	51	35	0,077	216	6320900277
68	155	red	51	35	0,077	216	6320900278
79	175	yellow	51	35	0,077	216	6320900279
93	200	green	51	35	0,077	216	6320900280
141	286	blue	51	35	0,077	216	6320900292

Chrome finish

Temperature rating °C	°F	Bulb color	Dimensions A	B	Weight [kg/pc]	Box quantity [pc]	Code
57	135	orange	51	35	0,077	216	63C0900277
68	155	red	51	35	0,077	216	63C0900278
79	175	yellow	51	35	0,077	216	63C0900279
93	200	green	51	35	0,077	216	63C0900280
141	286	blue	51	35	0,077	216	63C0900292

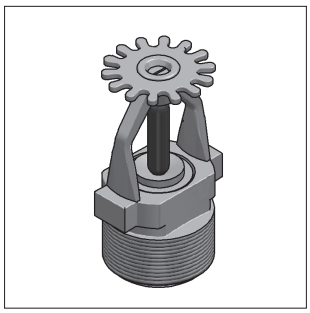
White finish

Temperature rating °C	°F	Bulb color	Dimensions A	B	Weight [kg/pc]	Box quantity [pc]	Code
57	135	orange	51	35	0,077	216	63B0900277
68	155	red	51	35	0,077	216	63B0900278
79	175	yellow	51	35	0,077	216	63B0900279
93	200	green	51	35	0,077	216	63B0900280
141	286	blue	51	35	0,077	216	63B0900292

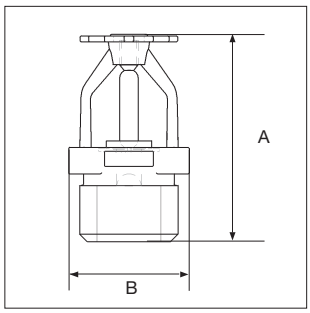
Black finish

Temperature rating °C	°F	Bulb color	Dimensions A	B	Weight [kg/pc]	Box quantity [pc]	Code
57	135	orange	51	35	0,077	216	63N0900277
68	155	red	51	35	0,077	216	63N0900278
79	175	yellow	51	35	0,077	216	63N0900279
93	200	green	51	35	0,077	216	63N0900280
141	286	blue	51	35	0,077	216	63N0900292

Sprinkler (Pendent), model G5 Standard Response RTI 105, K115



Sprinkler (Pendent)



Front view

CE
APPROVED
For Listing/Approval Details and Limitations contact MEFA Sales Representative.

Design/Product Description:

Large orifice
deflector type
3/4" Gas (DN20)
K115 metric (K8.0 US)
Approval: CE according to UNI EN 12259-1: 2002
Note: use the specific installation wrench

Pendent
Thread

Technical specifications:

Material:	Brass
Finishes:	Chrome, black or white coat
Sealing assembly:	Belleville spring
Bulb:	5 mm glass

Brass finish

Temperature rating °C	°F	Bulb color	Dimensions A	B	Weight [kg/pc]	Box quantity [pc]	Code
57	135	orange	51	35	0,077	216	6320900481
68	155	red	51	35	0,077	216	6320900482
79	175	yellow	51	35	0,077	216	6320900483
93	200	green	51	35	0,077	216	6320900484
141	286	blue	51	35	0,077	216	6320900485
182	360	purple	51	35	0,077	216	6320900486

Chrome finish

Temperature rating °C	°F	Bulb color	Dimensions A	B	Weight [kg/pc]	Box quantity [pc]	Code
57	135	orange	51	35	0,077	216	63C0900481
68	155	red	51	35	0,077	216	63C0900482
79	175	yellow	51	35	0,077	216	63C0900483
93	200	green	51	35	0,077	216	63C0900484
141	286	blue	51	35	0,077	216	63C0900485
182	360	purple	51	35	0,077	216	63C0900486

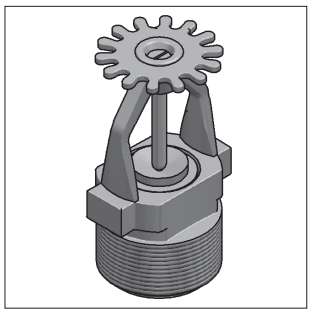
White finish

Temperature rating °C	°F	Bulb color	Dimensions A	B	Weight [kg/pc]	Box quantity [pc]	Code
57	135	orange	51	35	0,077	216	63B0900481
68	155	red	51	35	0,077	216	63B0900482
79	175	yellow	51	35	0,077	216	63B0900483
93	200	green	51	35	0,077	216	63B0900484
141	286	blue	51	35	0,077	216	63B0900485
182	360	purple	51	35	0,077	216	63B0900486

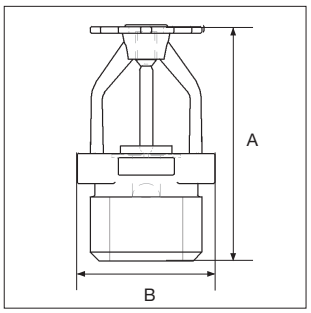
Black finish

Temperature rating °C	°F	Bulb color	Dimensions A	B	Weight [kg/pc]	Box quantity [pc]	Code
57	135	orange	51	35	0,077	216	63N0900481
68	155	red	51	35	0,077	216	63N0900482
79	175	yellow	51	35	0,077	216	63N0900483
93	200	green	51	35	0,077	216	63N0900484
141	286	blue	51	35	0,077	216	63N0900485
182	360	purple	51	35	0,077	216	63N0900486

Sprinkler (Pendent), model F3 Quick Response RTI 35, K115



Sprinkler (Pendent)



Front view

CE

APPROVED
For Listing/Approval Details and Limitations contact MEFA Sales Representative.

Design/Product Description:

Large orifice
deflector type
3/4" Gas (DN20)
K115 metric (K8.0 US)
Approval: CE according to UNI EN 12259-1: 2002
Note: use the specific installation wrench

Pendent
Thread

Technical specifications:

Material:	Brass
Finishes:	Chrome, black or white coat
Sealing assembly:	Belleville spring
Bulb:	5 mm glass

Brass finish

Temperature rating °C	°F	Bulb color	Dimensions A	B	Weight [kg/pc]	Box quantity [pc]	Code
57	135	orange	51	35	0,077	216	6320900277
68	155	red	51	35	0,077	216	6320900278
79	175	yellow	51	35	0,077	216	6320900279
93	200	green	51	35	0,077	216	6320900280
141	286	blue	51	35	0,077	216	6320900292

Chrome finish

Temperature rating °C	°F	Bulb color	Dimensions A	B	Weight [kg/pc]	Box quantity [pc]	Code
57	135	orange	51	35	0,077	216	63C0900277
68	155	red	51	35	0,077	216	63C0900278
79	175	yellow	51	35	0,077	216	63C0900279
93	200	green	51	35	0,077	216	63C0900280
141	286	blue	51	35	0,077	216	63C0900292

White finish

Temperature rating °C	°F	Bulb color	Dimensions A	B	Weight [kg/pc]	Box quantity [pc]	Code
57	135	orange	51	35	0,077	216	63B0900277
68	155	red	51	35	0,077	216	63B0900278
79	175	yellow	51	35	0,077	216	63B0900279
93	200	green	51	35	0,077	216	63B0900280
141	286	blue	51	35	0,077	216	63B0900292

Black finish

Temperature rating °C	°F	Bulb color	Dimensions A	B	Weight [kg/pc]	Box quantity [pc]	Code
57	135	orange	51	35	0,077	216	63N0900277
68	155	red	51	35	0,077	216	63N0900278
79	175	yellow	51	35	0,077	216	63N0900279
93	200	green	51	35	0,077	216	63N0900280
141	286	blue	51	35	0,077	216	63N0900292

Sprinkler wrench

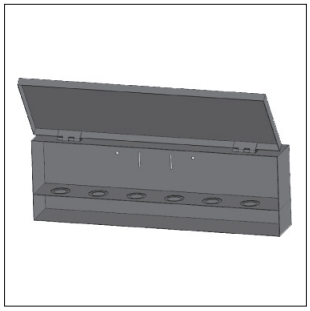
Sprinkler wrench

Description
- Required for the installation of sprinklers mod. G5 and F3

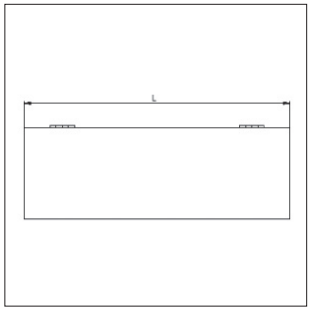
Technical specifications
- Material: Iron
- Finish: Painted

Sprinkler wrench			
Description	Weight [kg/pc]	Quantity	Code
Sprinkler wrench	0,3	1	GC091

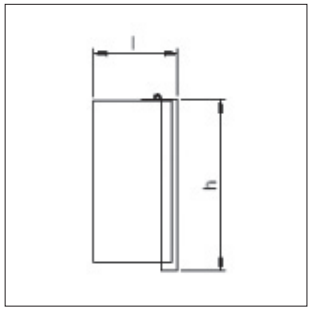
Sprinkler cabinet



Sprinkler cabinet



Front view



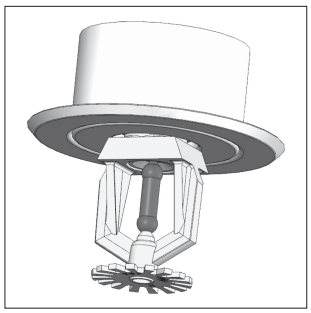
Side view

Description
- For storage of spare sprinklers.
  Required for each sprinkler system

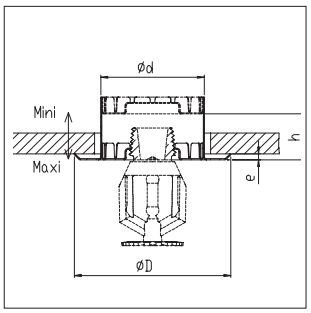
Technical specifications
- Material: steel
- Finish: Painted
- Suitable for 1/2” e 3/4” sprinkler
- Capacity: 12 seats

Sprinkler cabinet						
Description	L [mm]	l [mm]	h [mm]	Weight [kg/pc]	Quantity [pc]	Code
Sprinkler cabinet	390	104	133	0,4	1	GC088

two pieces adjustable escutcheon



two pieces escutcheons



Front view

Description

- The escutcheon's two piece design allows the installation and testing of the ceiling. The outer cup can be removed and reinstalled allowing access above removable ceiling panels for servicing building equipment without shutting down the sprinkler system and removing the sprinkler. The slip-on feature allows for minor adjustaments due to pipe or ceiling pitch.

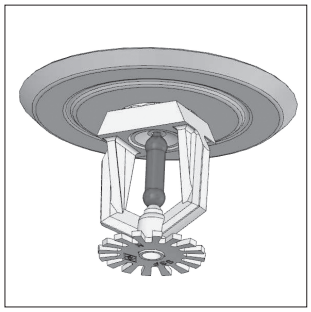
Technical specifications

- Material: steel
- Finitura: cromata oppure smaltata bianca
- Foro: 1/2"
- Regolazione: 19 mm
- Diametro est.: 74 mm

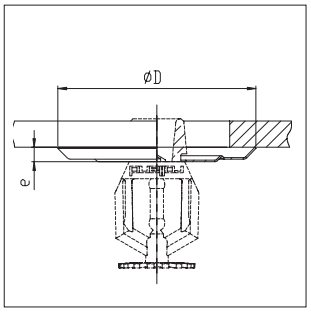
two pieces adjustable escutcheon

Type	Finish	Weight [kg/pc]	Quantity [pc]	Code
Adjustable escutcheons	Chrome	0,035	200	SE11000020
Adjustable escutcheons	White	0,036	300	SE11000040

Flat escutcheon



Flat escutcheon



Front view

Description

- Used in the presence of ceilings as a cover holes

Technical specifications

- Material: steel
- Finish: chrome or white
- Hole: 1/2"
- 75 mm Outside diameter
- Height: 5 mm

Flat escutcheons

Type	Finish	Weight [kg/pc]	Quantity [pc]	Code
Flat escutcheons	Chrome	0,018	500	SE21000020
Flat escutcheons	White	0,018	500	SE21000040

Sprinkler guard with water shield

Sprinkler guard with water shield

Description
- Suitable for 1/2” upright sprinkler
- Sprinkler guards are designed to protect the sprinkler from mechanical damage. The water shield may be used intermediate level in-rack sprinkler system, to protect the sprinkler’s heat sensing element from water spray discharging from sprinklers located at a higher elevation.

Technical specifications
- Material: steel
- Finish: Chrome
- Hole: 1/2”

Sprinkler guard with shield

Type	Finish	Weight [kg/pc]	Box quantity	Code
Miniature sprinkler guard c/w water shield	Chrome	0,115	100	SA51Q00020

Sprinkler guard 1/2”

Sprinkler guard 1/2”

Description
- Sprinkler guart are designed to protect the sprinkler from mechanical damage.

Technical specifications
- Material: steel
- Finish: Chrome
- Hole: 1/2”

Sprinkler guard 1/2”

Type	Finish	Weight [kg/pc]	Box quantity	Code
Sprinkler guard 1/2”	Chrome	0,035	200	SA51000020

Water shield

Water shield

Description
- May be installed with or without sprinkler guard. The water shield may be used in intermediate level in-rack sprinkler system to protect the sprinkler's heat sensing element from water spray discharging from sprinklers located at a higher elevation.

Technical specifications
- Material: steel
- Finish: Chrome
- Hole: 1/2"

Water shield

Type	Weight [kg/pc]	Box quantity	Code
Water shield	0,026	500	SD01R00410