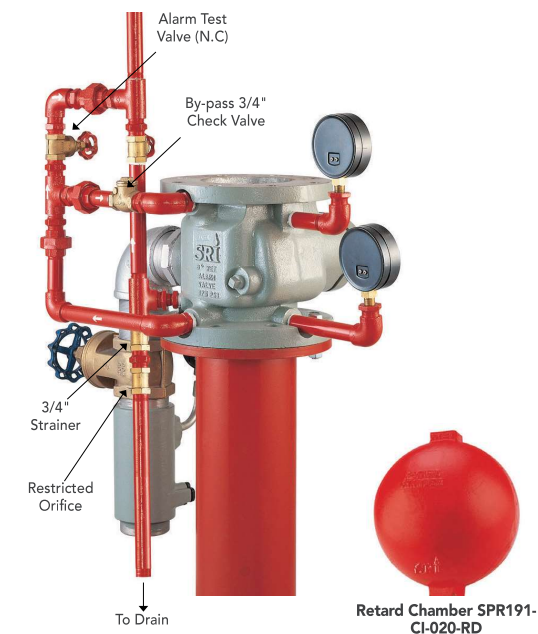
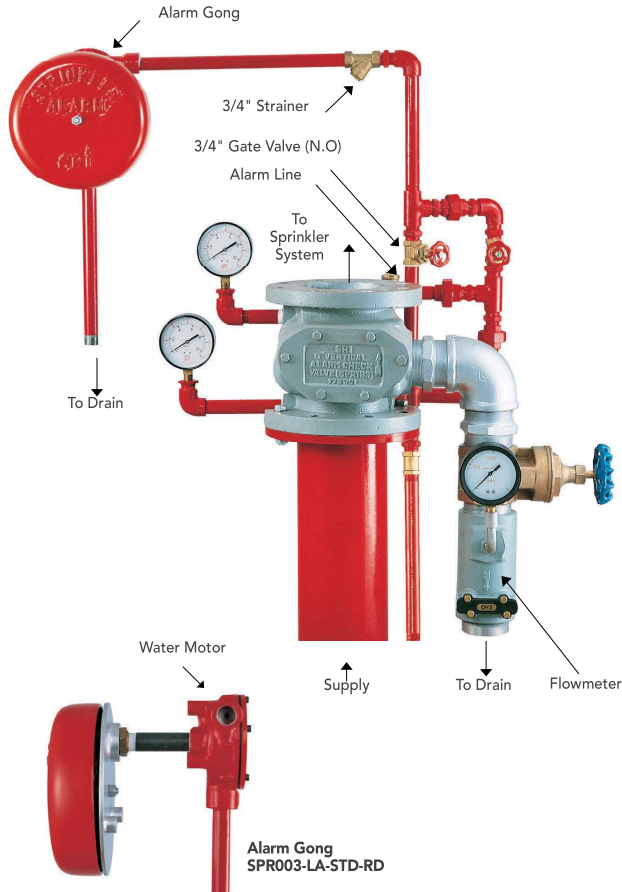


## SPRINKLER ALARM VALVE



The alarm valve is an alarm device designed for installation in a sprinkler system. It is used to actuate a fire alarm when the flow of water from the sprinkler system exceeds that of a single sprinkler. When a sprinkler is in operation, the resulting water flow lowers the pressure in the sprinkler system. The greater water supply pressure then causes the alarm valve clapper to open. The seat ring opening of the alarm valve allows the water to flow into the alarm line connection which will then operate the alarm gong.

The by-pass connection in the check valve allows pressure surges from the supply to by-pass the alarm valve clapper. An excess system pressure is thus created which steadies the clapper.

A Retard Chamber is used when the water supply pressure fluctuates, such as public main water supply. It is used to prevent false alarms caused by surges or fluctuations in pressure.

### Specification

- ◆ Working pressure : 175 psi (12 bar)
- ◆ Factory hydrostatic test pressure : 350 psi (24 bar)
- ◆ Flange Connections : ANSI B16.1 125 FF Flange
- ◆ Thread Connections : BSP Thread

Code No.	Valve Size	Friction Loss
SPR182-CI-100-GY	4 (100 mm)	5.0 m (equivalent length)
SPR182-CI-150-GY	6 (150 mm)	8.0 m (equivalent length)

Note : Retard chamber, trim parts, alarm gong and water motor and pressure switch to be ordered separately.

### Flowmeter

The sprinkler system flowmeter is designed to test the rate of flow available for coverage of various hazards.

### Flowmeter Application :

Flowmeter can be used in wet and dry sprinkler Systems in all hazard groups, which complies to L.P.C Codes

Code No.		Description	Hazard Group Orifice Size
Flowmeter	Gauges		
SPR165-LA-XLH-GY	SRP158-XLH	XLH	21/18.5 mm
SPR165-LA-OH1-GY	SRP158-OH1	OH1	31 mm
SPR165-LA-OH2-GY	SRP158-OH2	OH2	40 mm
SPR165-LA-OH3-GY	SRP158-OH3	OH3	45 mm
SPR165-LA-OH3SGY	SRP158-OH3S	OH3 Special	50 mm
SPR165-LA-XHH-GY	SRP158-XHH-10.0	XHH 10 mm/min	62 mm
SPR165-LA-XHH-75	SRP158-XHH-07.5	XHH 7.5 mm/min	58.5 mm

Note : The drain pipework down stream of the orifice plate must have a friction loss of less than 300 mb.

## SPRINKLER SYSTEM ACCESSORIES



### Single Low Pressure Control

- ◆ Pressure range : 1 to 10 bar
- ◆ Differential pressure 1 to 3 bar
- ◆ Single-Pole Double Throw (SPDT) contacts
- ◆ Adjustment of range and differential can be done by turning the hexagonal screw

#### Application

Pressure sensing of sprinkler system to provide automatic starting of sprinkler system pumps.

Code No.	SPR266-P77-10-CH
	SPR266-CU-STD-CH



### Flowswitch

Single-Pole Double Throw (SPDT) flow switch. To provide an electrical alarm signal when a flow in the sprinkler system occurs. Operation of the flowswitch may be checked by opening the inspection test valve. Adjustable flow paddle, suitable for 1" to 6" pipe. 1" NPT thread connection for installation into screwed tee fitting.

- ◆ Mounting: Vertical or horizontal

Code No.	SPR265-F61KB-CH
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### Bourdon Tube Pressure Gauge

- ◆ For gaseous and liquid media that are not highly viscous or crystallising and will not attack copper alloy parts
- ◆ Pneumatics
- ◆ Scale ranges 0 to 20 bar
- ◆ Nominal size 100 mm
- ◆ Process Connection : lower mount (LM) G 1/2B

Code No.	SPR187-XX-300-XX
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### Sight Glass Flow Connection

This is used for visual checking of water flow and water filling of pipe at test point. To be installed in main drain lines inspection for test pipes.

- ◆ Working pressure : 10 bar
- ◆ Test pressure : 15 bar
- ◆ Connection : 1" BSP Thread

Code No.	SPR004-GM-025-VL
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### Recessed Sprinkler Rosette

Suitable for 1/2" sprinkler Adjustable rosettes  
Stainless Steel available

Code No.	Material
SPR178-MS-015-CH	M.S Chrome
SPR178-MS-015-WH	M.S Epoxy White



### Sprinkler Wrench

Used for installation of upright and pendant sprinklers

Code No.	Material
SPR177-MS-STD-BK	M.S. Epoxy Black



### Plain Sprinkler Rosette

Suitable for 1/2" sprinkler Adjustable rosettes  
Stainless Steel available

Code No.	Material
SPR173-MS-015-CH	M.S Chrome
SPR173-MS-015-WH	M.S Epoxy White



### Sprinkler Guard

To be used for areas where the sprinkler may be susceptible to be accidentally struck

Code No.	Material
SPR179-MS-015-CH	M.S Chrome

# FLEXIBLE SPRINKLER DROPS

## Technical Data

- ◆ Temperature : 225°F
- ◆ Pressure : 175 psi
- ◆ Connection : Inlet : 1" NPT  
Outlet : 1/2" or 3/4" NPT
- ◆ Maximum Bend Radius : 4", 8"  
(Do not bend within 2.52 inches from connection nuts)
- ◆ Maximum Number of Bend : Refer to Friction Loss Data
- ◆ K-Factor : 1/2" Outlet : 5.6 gpm  
3/4" Outlet : 8.0 gpm

## Features

### Tube

- ◆ Lengths: 24", 36", 48", 60", 72"
- ◆ Outlet Reducer Diameter 3/8", 1/2", 3/4", 1" Straight or 90° Elbow
- ◆ Type: Braided/Unbraided

### Brackets

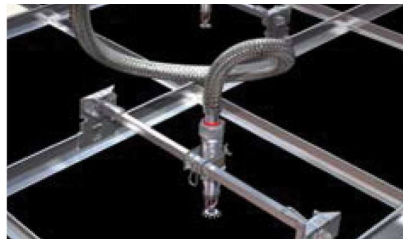
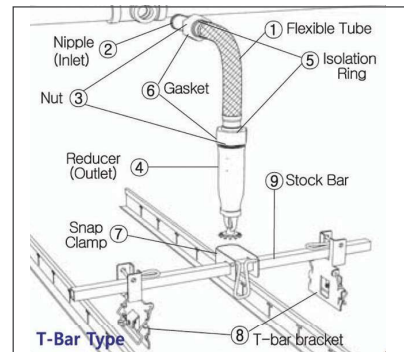
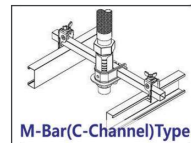
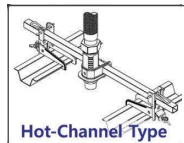
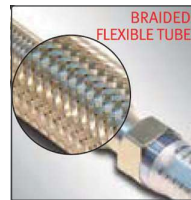
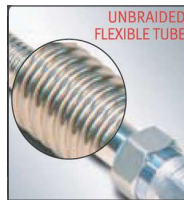
- ◆ TBS System:  
T-bar Grid Commercial Suspend Ceiling
- ◆ MSB, HCB System:  
Metal Stud/Sheetrock Suspend Ceiling

### Optional

- ◆ Special lengths available on request

## Friction Loss Data

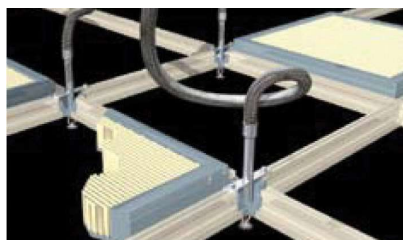
Length	Outlet Connection	Maximum Number of 90° Bend	Equivalent Length of 1 in. Schedule 40 pipe, ft
24"	1/2"	1	6.8/18
24"	3/4"	1	4.7/18
36"	1/2"	2	11.5/31
36"	3/4"	2	10.6/34
48"	1/2"	3	16.7/48
48"	3/4"	3	12.7/51
60"	1/2"	4	20.6/60
60"	3/4"	4	17.0/65
72"	1/2"	4	24.0/71
72"	3/4"	4	19.8/72



Commercial Type



Exhaust Ducts Type



Cleanroom Type

