



Powering your way to safety
Since 1972



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ABOUT US

We are inspired by a singular purpose: To help people protect what they love.

When you truly love your family, your assets or your business, you protect them to the best of your ability. At Safex, we help you understand fire risks and offer reliable fire safety products and solutions to safeguard everything you love.

Founded in 1972 with the goal of empowering lives to safety, we are an eminent manufacturer, supplier and exporter of various fire fighting equipment. We have successfully introduced innovative fire safety products to the market, time after time. Today, we are the largest manufacturers of fire extinguishers in India. Additionally, we export to countries from Eastern Europe, Africa, Middle East and South Asia.

What sets us apart?

Robust Infrastructure

A one of its kind, state of the art manufacturing plant that ensures you get superior products on time, every time. Our in-house laboratory is equipped with sophisticated testing equipment to ensure quality. Additionally, automated assembly lines, a commitment to best manufacturing practices and Kaizen (continuous improvement) gives us the necessary edge over our competitors.

Extensive Network

8 branch offices together with over 50 distributors across India guarantee exceptional after sales service regardless of your location. Our representatives are trained to provide customers with a positive experience at every interaction and foster long term business relationships.

One Stop Shop

An exhaustive product portfolio enables you to find everything you are looking for under one roof. The products manufactured by us adhere to international standards of quality and are as per the ISO, ISI, UL, MMD, CE and EN 3.7 standards.

Our Values

We take pride in being experienced and reliable. Our company culture rewards making things happen. Our ambition to be the very best makes sure that we try harder to serve our customers better. We measure our success by the positive impact we have on people's lives.

◆◆◆◆ POWERING YOUR WAY TO SAFETY ◆◆◆◆

OUR CLIENTELE



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AKER KVERNER™



RANBAXY



Many many more.....

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ALARM VALVE AND DELUGE VALVE

ALARM VALVE

Safex Alarm Valve are designed to confirm to International Standard. It is highly anti-corrosive are made of cast bronze. The Alarm Valve is divided into paddle type, retard chamber type, alarm switch type and groove type depending on the condition of use.

Specification

Model No.	FAVB 100R - UL	FAVB 150R - UL
Size	100NB	150NB
Approved Standards	UL and FM	UL and FM
Max, Flow	175 PSI	175 PSI
Test Pressure	350 PSI	350 PSI
Direction	Vertical	Vertical
Flange	ANSI 150lb FF Type	ANSI 150lb FF Type
Weight (Kg)	35	53.7
Packing (Ea)	1	1

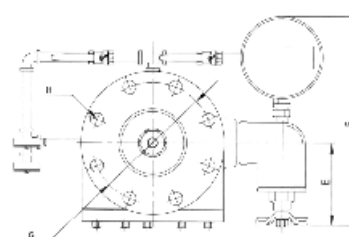
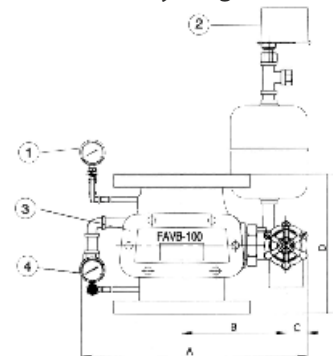
Dimension

Model No.	Size	A	B	C	D	E	F	G	H
FAVB 100R UL & FM		394	169	50	250	153	353	190.5	8-ø19
FAVB 150R UL & FM		459	199	50	280	153	378	241.5	8-ø23

Part List

No.	Part	Material	Qty.
1	Alarm Valve Body	FC200	1
2	Pressure Switch	AC125/250	1
3	Pressure Gauge (Outlet)		1
4	Pressure Gauge (Inlet)		1

Assembly Diagram



FAVB 100(150)R-UL



DELUGE VALVE

Safex Deluge Valve are designed to minimize the friction loss inside and inner parts such as clapper are made of cast bronze to offer excellent corrosion and pressure resistance.

Specification

Model No.	PPD 100	PPD 150
Size	100NB	150NB
Approved Standards	UL and FM	UL and FM
Max, Flow	175 PSI	175 PSI
Test Pressure	350 PSI	350 PSI
Pressure Loss	0.02MPa	0.02MPa
Direction	Vertical	Vertical
Flange Size	ANSI 150lb FF Type	ANSI 150lb FF Type
Weight (Kg)	59	79
Packing (Ea)	1	1

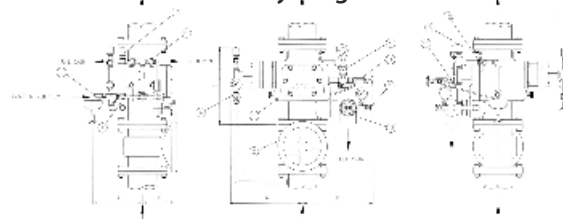
Dimension

Model No.	PPD 100	PPD 150
A	242	259
B	260	285
C	367	372
D	270	290
E	150	150

Part List

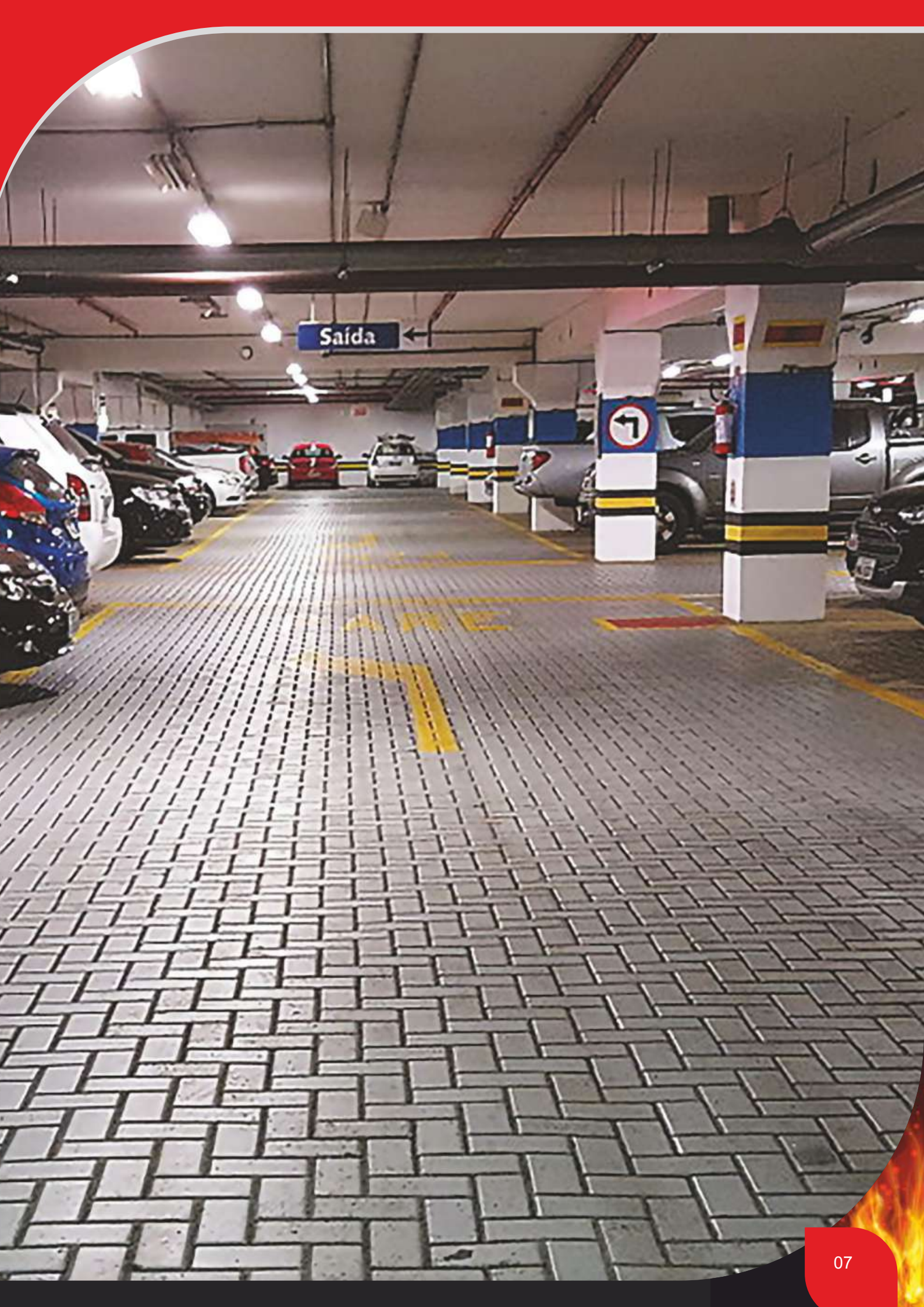
No.	Part	No.	Part
1	Pre-Action Valve	1	Pressure Valve (Inlet)
2	OS & Y Valve	2	Pressure Valve (Outlet)
3	Air control Valve	3	Drip Check Valve
4	Pressure Gauge (Setting)	4	Pressure Switch Test Valve
5	Pressure Switch	5	Ball Valve
6	Actuating Unit Water Supply Valve	6	Drain Valve
7	Solenoid Valve	7	Emergency Release Valve

Assembly Diagram



PPD 100(150)-UL





Saída



SPRINKLERS

SF Concealed, Pendent, Upright & Sidewall Standard Response and Quick Response Sprinklers

Safex Standard Response Spray Sprinklers are intended for use in the Sprinkler Systems designed in accordance with the standard installation rules recognized by the applicable listing or approval agency. They are available in Pendent, Upright, Horizontal Sidewall Styles.

Safex Quick Response Spray Sprinklers are designed with a 3mm glass-bulb to react quicker at the specified temperature. They are available in Pendent, Upright, Horizontal Sidewall Styles.

During a fire conditions, the thermal-sensitive liquid in the Glass Bulb expands, causing the bulb to shatter, releasing the button and spring seal assembly. Water flowing through the Sprinkler orifice strikes the Sprinkler deflector, forming a uniform spray pattern to extinguish or control the fire.

Safex Standard and Quick Responders are designed for use in a wide range of applications including office buildings, libraries, hotels, restaurants, banks, band shells, theaters, factories, and storehouses.

Horizontal Sidewall Sprinkler
Model SR-SF 340 / QR-SF 341
5/3mm Bulb Type, K-5.6



Response: Standard/Quick
Coverage:

Water discharge is directed primarily outward and downward in a quarter spherical pattern, a portion of the spray is also directed towards the backwall.

Installation:

Designed for installation along a wall or the side of a beam just beneath a smooth ceiling. (Ref. NFPA13)

Orifice Size: 1/2"/15mm

Thread Size: 1/2" Pipe thread

Temp. Rating:

135°F/57°C, 155°F/68°C
175°F/79°C, 200°F/93°C

Maximum Service Pressure:
175 psig / 1.2MPa(12bar)

Listings & Approvals: UL/FM

Finishes:

Natural brass, chrome plate

Upright Sprinkler
Model SR-SF 310 / QR-SF 311
5/3mm Bulb Type, K-5.6



Response: Standard/Quick
Coverage:

Produce a hemispherical water distribution pattern below the deflector.

Installation:

Upright installed in accordance with the standard installation rules recognized by the applicable Listing or Approval agency (Ref. NFPA 13 requirements).

Orifice Size: 1/2"/15mm

Thread Size: 1/2" Pipe thread

Temp. Rating:

135°F/57°C, 155°F/68°C
175°F/79°C, 200°F/93°C

Maximum Service Pressure:
175 psig / 1.2MPa(12bar)

Listings & Approvals: UL/FM

Finishes:

Natural brass, chrome plate

Pendent Sprinkler
Model SR-SF 320 / QR-SF 321
5/3mm Bulb Type, K-5.6



Response: Standard/Quick
Coverage:

Produce a hemispherical water distribution pattern below the deflector.

Installation:

Pendent installed in accordance with the standard installation rules recognized by the applicable Listing or Approval agency (Ref. NFPA 13 requirements).

Orifice Size: 1/2"/15mm

Thread Size: 1/2" Pipe thread

Temp. Rating:

135°F/57°C, 155°F/68°C
175°F/79°C, 200°F/93°C

Maximum Service Pressure:
175 psig / 1.2MPa(12bar)

Listings & Approvals: UL/FM

Finishes:

Natural brass, chrome plate

Concealed Pendent
Model SR-SF 820
5mm Bulb Type, K-5.6



Response: Standard
Coverage:

Produce a hemispherical water distribution pattern below the deflector.

Installation:

Pendent installed in accordance with the standard installation rules recognized by the applicable Listing or Approval agency (e.g. NFPA 13 requirements).

Orifice Size: 1/2"/15mm

Thread Size: 1/2" Pipe thread

Temp. Rating:

135°F/57°C, 155°F/68°C
175°F/79°C, 200°F/93°C

Maximum Service Pressure:
175 psig / 1.2MPa(12bar)

Listings & Approvals: UL/FM

Finishes:

Cover plates are supplied chrome plated or with any color factory applied paint

Concealed Pendent
Model QR-SF 821
3mm Bulb Type, K-5.6



Response: Quick
Coverage:

Produce a hemispherical water distribution pattern below the deflector.

Installation:

Pendent installed in accordance with the standard installation rules recognized by the applicable Listing or Approval agency (e.g. NFPA 13 requirements).

Orifice Size: 1/2"/15mm

Thread Size: 1/2" Pipe thread

Temp. Rating:

135°F/57°C, 155°F/68°C
175°F/79°C, 200°F/93°C

Maximum Service Pressure:
175 psig / 1.2MPa(12bar)

Listings & Approvals: UL/FM

Finishes:

Cover plates are supplied chrome plated or with any color factory applied paint

*Rosette Plates for Sprinklers are available in White and Chrome finish.

*Sprinklers are available with UL & FM or UL approval





FLEXIBLE DROPPER FOR SPRINKLER SYSTEM

SAFEX UNBRAIDED TYPE SPRINKLER HOSE

SIMPLIFIED INSTALLATION, EASY RELOCATION.

The mounting of sprinklers in suspended ceiling system with conventional mounting method is very laborious and time consuming. The use of the stainless steel sprinkler hose significantly minimises the efforts and laborious costs required for installation purpose, because the flexibility of the hose enable you to change the sprinkler location during renovation or conversions. Beauty, economy, security can be preserved at the same time.

HIGH PRESSURE RESISTANCE AND GOOD FLEXIBILITY.

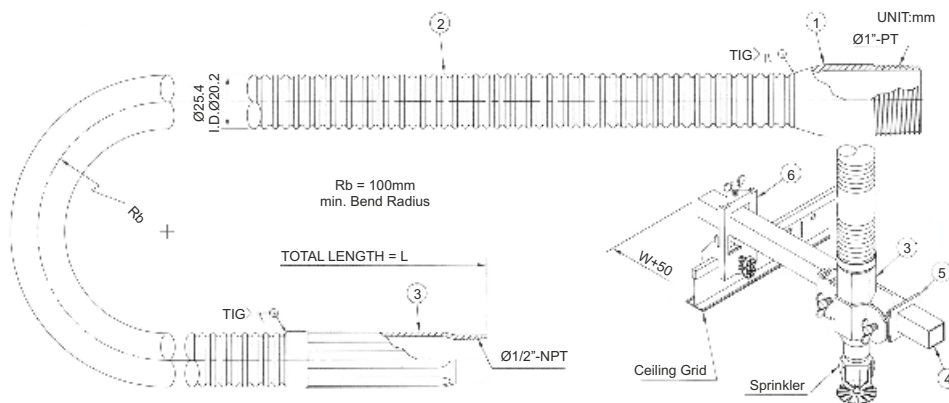
One piece style construction, require no welding, painting or epoxy coating on site. All Sprinkler Hoses are tested with 2 times the design pressure before delivery. The hydrostatic pressure resistance is 4 times the design pressure. All models of the sprinkler hoses had been passed fatigue life test with 50000 cycles. Allow for independent motion between ceiling grids and main pipe system during seismic activity. The stresses and leaks caused by the earthquake or the misalignment can be avoided.

INTERNATIONAL LABORATORY APPROVED.

Including Commercial, Clean Room and Duct sprinkler mounting system. All models of Safex flexible sprinkler hoses had been conducted with severe tests and got the products approved by famous laboratories. The quality and security is controlled and kept all the time. Meet the local fire protection laws worldwide and the insurance requirements. You could have a peace mind all the time using Safex Flexible Sprinkler Hoses.

EASY REPAIR, KEEP RUNNING AND NO DOWNTIME.

For Commercial system, the sprinkler could be relocated and mounted within the flexible area defined by the Sprinkler Hose length. It just needs a small constructed area, no pipes cutting and threading on site. For Clean Room and Duct system, the sprinkler can be inspected and replaced in a few minutes. The factory or working site can be kept clean and running during maintenance. Require no downtime for routine inspection and replacement. Eliminate the total cost for system repairment.



The hoses are tested in a straight position with a sprinkler.



- SF - SSI-700
- SF - SSI-1000
- SF - SSI-1200
- SF - SSI-1500

Features of the Sprinkler Hose.

1. Pressure & Temperature Capabilities:
Rated working pressure: 12.3 kg/cm², 175 psi
Hydrostatic pressure: 24.6 kg/cm², 350 psi
Rated working temperature: -40~+200°C
2. Quality & Security of products.
 - a. The bellows is made with thick stainless steel, have good corrosion resistance and good shaped feature.
 - b. One piece style structure. Pre-assembled and tested for pressure leak in the factory 100% before delivery.
3. Patent anchoring components
Patent No.: M281654, M364521
 - a. All-purpose anchoring component is flexible to mount to different installation conditions.
 - b. Opened type adapter holder is more flexible and easy to mount the sprinkler system.

Friction Loss Data

Hazen-Williams coefficient of friction C=120

Total Length		EQL (Ø1"-sch40)		
m	ft	m	ft	N
0.7	2	11.6	2	2
1.0	3	17.4	3	3
1.2	4	22.9	4	3
1.5	5	23.8	5	3
1.8	6	31.4	6	3

N : 90 / No. of 90° bend

Construction

Item	Fitting	Material
1	Round Nipple	SUS-304
	Union	SS-400
2	Bellows	SUS-304
3	Adapter	SUS-304
4	Square Pipe	SPCC(Galv.)
5	Adapter Holder	SPCC(Galv.)
6	Pipe Clamp	SPCC(Galv.)

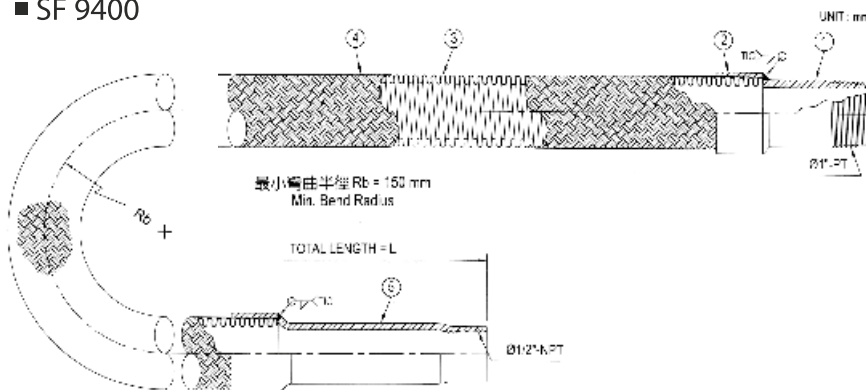




FLEXIBLE DROPPER FOR SPRINKLER SYSTEM

SAFEX BRAIDED TYPE SPRINKLER HOSE

■ SF 9400



Square Pipe - 650mm x 1pc, Pipe Clamp x 2sets, Adapter Holder x 1set

Features of the Sprinkler Hose.

- Pressure & Temperature capabilities :
Rated working pressure : 200 psig
Hydrostatic pressure : 1000 psig
Rated working temperature : -40 ~ +200 °C
- Approval identification : 3043954
 - All purpose anchoring component is flexible to mount to different installation conditions.
 - Opened type adapter holder is more flexible and easy to mount the sprinkler system.
- Installation with security
 - Construction with screws, Provide builders with security.
 - One piece style structure. Pre-assembled and tested for pressure leak in the factory 100% before delivery.
- Advantages of high flexibility
 - Flexible to adjust the sprinklers to installation conditions.
 - Prevent the pipe cracks and ceiling deformations during seismic sway.
 - Simple installation. Reduce the laborious costs effectively.

Friction Loss Data

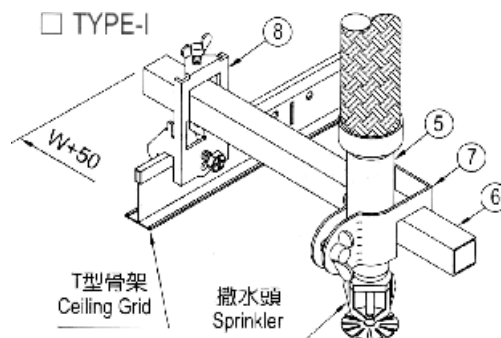
Flow Rate: 115 l/min. C=100

Total Length		EQL $\Phi 1''$ -sch40 m (ft)	
m	ft	Straight	with bends-N
0.7	2.0	1.6(5.4)	1.9(6.5)-1
1.0	3.3	3.8(8.3)	3.8(12.8)-2
1.2	4.0	2.9(9.7)	4.8(15.9)-3
1.5	5.0	3.6(11.8)	7.1(23.1)-4
1.8	6.0	4.2(13.9)	8.0(26.2)-4
2.1	7.0	5.0(16.4)	8.0(26.2)-4

N : 90 / No. of 90° bend

Construction

Item	Fitting	Material
1	Round Nipple	SUS-304
	Union	SS-400
2	Collar	SUS-304
3	Bellows	SUS-304
4	Wire Braids	SUS-304
5	Adapter	SUS-304
6	Square Pipe	SPCC(Galv.)
7	Adapter Holder	SPCC(Galv.)
8	Pipe Clamp	SPCC(Galv.)





HYDRANT ACCESSORIES

HOSE BOX

Material: MS / SS / FRP
Thickness: 16 Gauge, 18 Gauge
Single door: 500W x 500L x 200D
Double door: 600W x 750L x 250D
*Customized Sizes are Available



HOSE REEL AS PER INDIAN STANDARDS

1. Hub
2. Two Sides
3. Swivel Joint
4. Pips with fittings
5. Wall Bracket
6. Nozzle with shut off arrangement
7. Stop Valve
8. Rubber / Thermoplast Hose (Type 1 & Type 2)
9. Variants : 20 mtr, 30 mtr, 36 mtr, 36.5 mtr and 40 mtr



LANDING VALVE / INTERNAL HYDRANT




IS:5290

STAINLESS STEEL

Performance	Type A Single	Type B Single
Water tightness test	14 kgf/ cm ²	14 kgf/ cm ²
Hydrostatic pressure test	21 kgf/ cm ²	21 kgf/ cm ²
Flow test per minute	900 Litter at 7 kgf/ cm ²	1800 Litter at 7 kgf/ cm ²

GUNMETAL

Dimension	Type A Single	Type B Single
Flange Inlet	75 mm	100 mm
Female Outlet	63 mm	63 mm
Flange DiA	200 mm	220 mm

DELIVERY HOSE COUPLING

MOC : STAINLESS STEEL/GUNMETAL
Size & Dimension:
63 mm

Hydrostatic Pressure
Test: 21kgF/cm² for a
period of 2 ½ minutes.




IS:903

NOZZLES / BRANCH PIPE

MOC : STAINLESS STEEL/GUNMETAL
Hydrostatic Pressure Test:
21kgF/cm²




IS:903

FIRST-AID HOSE REEL FOR FIRE FIGHTING TYPE - A SWINGING (180°)



BIS SPECS	884
LENGTH OG HOSE	30 Meters
THICKNESS OF BODY	1.5 mm thick mild steel (IS:513)
HUB	Mild Steel (IS:513)
SIDES	Mild Steel
WALL BRACKET	Mild Steel
SWIVEL JOINT	Gun Meter (IS:318) G LTB-2
HOSE REEL TUBING	Single wire braided thermoplastic hose (W.P. 10 KGF/CM2)
NOZZLE	PVC Nozzle
PIPE WITH FITTING	Mild Steel (IS:1239 P-1)
PAINTING	P.O. Red
HYDRAULIC PRESSURE TEST	21 KGF/CM2
RANGE OF JET	6 Meters Min.
FLOW RATE	24 Ltrs. per Minuter at 7 KGF/CM2

Approvals:  IS:884





DAFO FORREX FIRE SUPPRESSION SYSTEMS

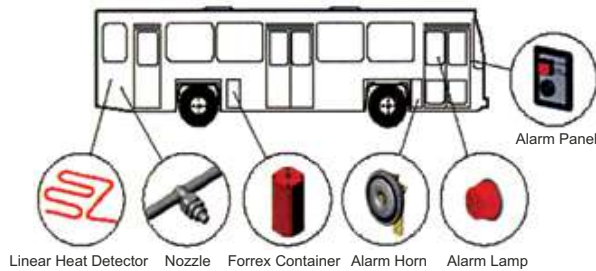
TECHNICAL DATA CONSTRUCTION

Most bus fires start in engine compartments and surrounding areas. A tested and classified fire suppression system in combination with good fire detection, is the best first response in case of an emergency, Dafo Forrex Fire Suppression System get activated by heat detector when the temperature reach 180°C.

The Dafo system is developed to use worldwide in both cold and hot climate and designed after the Swedish guideline SBF 128, which requires 3L extinguishing agent for 1m³ protected space. It means, we leave nothing to chances, safety first! The Dafo system is designed to avoid false releases - one of many special qualities.

INSTALLATION

Fire is indicated by a linear heat detector wire (1) that sends a signal to the actuator (2) which punctures the propellant gas cartridge (3) and releases nitrogen to the agent container (4) that distributes the Forrex liquid to the nozzles (5) through the pipe system. At the same time the alarm system is activated, an alarm horn (6) in the bus and a light signal in the panel will warn the driver (7).



OPERATING INSTRUCTIONS IN CASE OF FIRE

Have a hand portable extinguisher ready for safety when opening the engine compartment hood. The alarm to the fire system will sound until the detection wire is cut of, by cutting the wire next to the control unit or by removing the fuses. Do not start the bus until the cause of fire is determined, and service have been done.

SERVICING

Once a year the system must be inspected and serviced by a trained and authorized service company. The service will be carried out according to the service manual and the service protocol. Every 4th year comprehensive service, every 10th extended service.

GUARANTEE

You have twelve months warranty from the installation date. Within this time, defects in material or manufacture of components delivered from Dafo give right to replacement free of charge.

CERTIFICATE

The system is certified by TÜV, SBF, FM, Russian Law of Fire Safety no. 123F3. Dafo Forrex extinguishing fluid is certified by the MPA, the SP Environment certificate, Lloyds Register (ICAO Level B) and CCC (China). Dafo Forrex Fire Suppression System is tested for EMC, vibration and temperature according to vehicle standards.

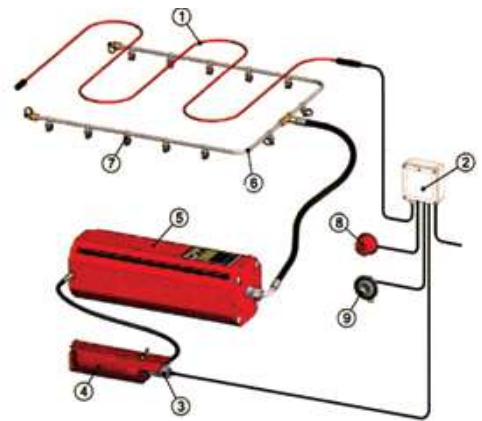
SAFETY & REQUIREMENTS

According to increasing requirements, smoke detectors for toilets and luggage compartments are available for installation at the bus manufactory. We also have a linear heat detector wire in the range, which is currently installed in serial production at various bus manufacturers.



PERSONNEL SECURITY

The harmless extinguishing liquid and no pressure resting state represents no health risk to passengers or mechanics.



The liquid agent extinguishes fire in less than a second and effectively prevents re-ignition. A low pressure system demanding but modest space and that operates down to -50° C.

Safex Fire Services Ltd. is the Exclusive Distributor for India.



AUTOMATIC FIRE TUBING SYSTEM

SAFEX AUTOMATIC FIRE TUBING SYSTEM

Automatic self seeking fire tubing system puts out fires when they start, where they start. Designed for installation inside enclosures and inaccessible areas. No complex electronics. Safe against malfunction. Best cost-performance ratio.

FIRE TUBE - THE DIFFERENCE FASTEST SENSING AT 88.7°C

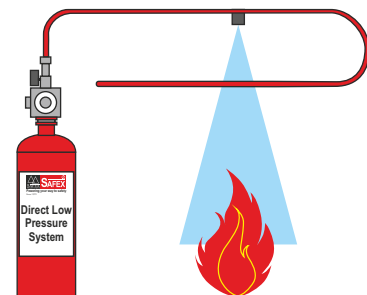
- ☒ Acts as a multi-sensor and multi extinguishing jet.
- ☒ Made of a high-tech polymer.
- ☒ Combines long-time resistance & flexibility.
- ☒ Temperature sensitivity, when bursting at the hottest spot, it ruptures as a nozzle shape opening.



THE DIRECT SYSTEM

The extinguishing agent is transported through the tube exactly to the origin of the fire.

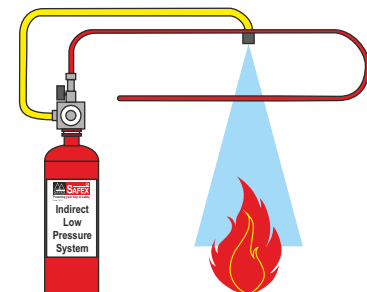
Cylinder Containing:
Water, Foam, Powder, CO₂, Argonite, Clean Agent Gas, Etc..



THE INDIRECT SYSTEM

The detection tube just triggers the valve when it detects a fire. The extinguishing agent discharges through a conventional outlet port.

Cylinder Containing:
Water, Foam, Powder, CO₂, Argonite, Clean Agent Gas, Etc..



ADVANTAGES

- ☒ Linear detection line
- ☒ Rapid reaction time
- ☒ 24 hours a day ready for use
- ☒ No external power supply
- ☒ Flexible positioning of the Safex tube
- ☒ Can be installed into inaccessible areas
- ☒ Minimal environmental damages
- ☒ Minimum maintenance
- ☒ No accidental discharges through a disruption of the fire detector
- ☒ Can be used in every environment (marine, industrial atmosphere)
- ☒ Low and high pressure applications
- ☒ Not affected by vibration or knocks
- ☒ Quick and simple installation
- ☒ Low price - high performance relationship

*The System is available in High Pressure and Low Pressure

You can't reach the fire?
SAFEX FIRE TUBING can





ALUMINIUM FIRE EXTINGUISHERS

Thanks to a switch over to aluminum bodies, Safex's new extinguisher is lighter and thus more portable. So you spend fewer minutes in carrying the extinguisher to the fire and fighting it successfully.

There's more to it than meets the eye. The new aluminum cylinders are produced by the extrusion method, rather than the spinning of steel pipes. This leaves no room for leakage or tampering. The result is an extinguisher that is not only lighter, but also sturdier and corrosion free.

FOAM BASED FIRE EXTINGUISHERS (ALUMINIUM)

FOAM BASED STORED PRESSURE TYPE FIRE EXTINGUISHERS

FIRE EXTINGUISHER CAPACITIES	6lt.	9lt.
MINIMUM PERIOD FOR WHICH THROW OF JET MAINTAINED	13 sec	15 sec
MAXIMUM PERIOD TO DISCHARGE ATLEAST 90% OF CONTENTS	40 sec.	60 sec
MINIMUM RANGE OF JET	2 mts	2 mts
FIRE RATING	3A, 89B	4A, 233B
WORKING PRESSURE	15 KGF/CM ²	15 KGF/CM ²
HYDRO PRESSURE	36 KGF/CM ²	36 KGF/CM ²
BURSTING PRESSURE	55 KGF/CM ²	55 KGF/CM ²

Approvals:  IS:15683  



WATER BASED FIRE EXTINGUISHERS (ALUMINIUM)

WATER BASED STORED PRESSURE TYPE FIRE EXTINGUISHERS

FIRE EXTINGUISHER CAPACITIES	6lt.	9lt.
MINIMUM PERIOD FOR WHICH THROW OF JET MAINTAINED	13 SEC	13 SEC
MAXIMUM PERIOD TO DISCHARGE ATLEAST 90% OF CONTENTS	50 SEC	100 SEC
MINIMUM RANGE OF JET	2 MTS	2 MTS
FIRE RATING	2A	3A
WORKING PRESSURE	15 KGF/CM ²	15 KGF/CM ²
HYDRO PRESSURE	36 KGF/CM ²	36 KGF/CM ²
BURSTING PRESSURE	55 KGF/CM ²	55 KGF/CM ²

Approvals:  IS:15683  





CLEAN AGENT GAS BASED FIRE EXTINGUISHERS (ALUMINIUM)

CLEAN AGENT STORED PRESSURE TYPE FIRE EXTINGUISHERS

FIRE EXTINGUISHER CAPACITIES	2kg.	4kg.	6kg.
MINIMUM PERIOD FOR WHICH THROW OF JET MAINTAINED	8 sec	13 sec	13 sec
MAXIMUM PERIOD TO DISCHARGE ATLEAST 95% OF CONTENTS	15 sec	25 sec	27 sec
MINIMUM RANGE OF JET	2 mts	2 mts	2 mts
FIRE RATING	1A, 21B	2A, 34B	2A, 55B
WORKING PRESSURE	15KGF/CM ²	15KGF/CM ²	15KGF/CM ²
HYDRO PRESSURE	36KGF/CM ²	36KGF/CM ²	36KGF/CM ²
BURSTING PRESSURE	55KGF/CM ²	55KGF/CM ²	55KGF/CM ²
Approval:	EN3.7	CE	IS:15683
GAS: DUPONT™ FE36™ Clean Agent			



POWDER BASED FIRE EXTINGUISHER (ALUMINIUM)

ABC STORED PRESSURE TYPE FIRE EXTINGUISHER.

FIRE EXTINGUISHER CAPACITIES	1 KG	2 KG	4 KG	6 KG	9 KG
MINIMUM PERIOD FOR WHICH THROW OF JET MAINTAINED	8 sec	13 sec	13 sec	15 sec	15 sec
MAXIMUM PERIOD OF DISCHARGE ATLEAST 90% OF CONTENTS	12 sec	16 sec	20 sec	25 sec	30 sec
MINIMUM RANGE OF JET	2 mts	2 mts	2 mts	2 mts	2 mts
FIRE RATING	1A, 21B	2A, 34B	3A, 55B	4A, 89B	6A, 233B
WORKING PRESSURE	15 KGF/CM ²	15 KGF/CM ²	15 KGF/CM ²	15 KGF/CM ²	15 KGF/CM ²
HYDRO PRESSURE	36 KGF/CM ²	36 KGF/CM ²	36 KGF/CM ²	36 KGF/CM ²	36 KGF/CM ²
BURSTING PRESSURE	55 KGF/CM ²	55 KGF/CM ²	55 KGF/CM ²	55 KGF/CM ²	55 KGF/CM ²
Approval:	IS:15683				





POWDER BASED FIRE EXTINGUISHERS

ABC STORED PRESSURE TYPE FIRE EXTINGUISHERS

FIRE EXTINGUISHER CAPACITIES	1kg.	2kg.	4kg.	6kg.	9kg.
MINIMUM PERIOD FOR WHICH THROW OF JET MAINTAINED	8 sec	13 sec	13 sec	15 sec	15 sec
MAXIMUM PERIOD TO DISCHARGE ATLEAST 90% OF CONTENTS	12 sec	16 sec	20 sec	25 sec	30 sec
MINIMUM RANGE OF JET	2 mts	2 mts	2 mts	2 mts	2 mts
FIRE RATING	1A, 21B	2A, 34B	3A, 55B	4A, 89B	6A, 183B
WORKING PRESSURE	15 KGF/CM ²	15 KGF/CM ²	15 KGF/CM ²	15 KGF/CM ²	15 KGF/CM ²
HYDRO PRESSURE	36 KGF/CM ²	36 KGF/CM ²	36 KGF/CM ²	36 KGF/CM ²	36 KGF/CM ²
BURSTING PRESSURE	55 KGF/CM ²	55 KGF/CM ²	55 KGF/CM ²	55 KGF/CM ²	55 KGF/CM ²

Approvals:  IS:15683 



BC / ABC SQUEEZE GRIP CARTRIDGE TYPE FIRE EXTINGUISHERS

FIRE EXTINGUISHER CAPACITIES	4kg. BC	4kg. ABC	6kg. BC	6kg. ABC	9kg. BC	9kg. ABC
MINIMUM PERIOD FOR WHICH THROW OF JET MAINTAINED	15 sec	13 sec	15 sec	15 sec	15 sec	15 sec
MAXIMUM PERIOD TO DISCHARGE ATLEAST 90% OF CONTENTS	25 sec	25 sec	25 sec	25 sec	30 sec	30 sec
MINIMUM RANGE OF JET	2 mts	2 mts	2 mts	2 mts	2 mts	2 mts
FIRE RATING	144B	3A, 55B	183B	4A, 89B	233B	6A, 183B
WORKING PRESSURE	15 KGF/CM ²	15 KGF/CM ²	15 KGF/CM ²	15 KGF/CM ²	15 KGF/CM ²	15 KGF/CM ²
HYDRO PRESSURE	36 KGF/CM ²	36 KGF/CM ²	36 KGF/CM ²	36 KGF/CM ²	36 KGF/CM ²	36 KGF/CM ²
BURSTING PRESSURE	55 KGF/CM ²	55 KGF/CM ²	55 KGF/CM ²	55 KGF/CM ²	55 KGF/CM ²	55 KGF/CM ²

Approval:  IS:15683



TROLLEY MOUNTED BC / ABC TYPE FIRE EXTINGUISHERS

FIRE EXTINGUISHER CAPACITIES	25kg. I/C-BC	25kg. I/C-ABC	25kg. O/C-BC	25kg. O/C-ABC	50kg. BC	50kg. ABC	75kg. BC	75kg. ABC
MINIMUM PERIOD FOR WHICH THROW OF JET MAINTAINED	30 sec	30 sec	30 sec	30 sec	30 sec	30 sec	30 sec	30 sec
MINIMUM PERIOD TO DISCHARGE ATLEAST 90% OF CONTENTS	40 sec	40 sec	40 sec	40 sec	50 sec	50 sec	60 sec	60 sec
MINIMUM RANGE OF JET	6 mtr.	6 mtr.	6 mtr.	6 mtr.	6 mtr.	6 mtr.	6 mtr.	6 mtr.
FIRE RATING	233B	20A, 233B	233B	20A, 233B	233B	20A, 233B	233B	20A, 233B
WORKING PRESSURE	15 KGF/CM ²	15 KGF/CM ²	15 KGF/CM ²	15 KGF/CM ²	15 KGF/CM ²	15 KGF/CM ²	15 KGF/CM ²	15 KGF/CM ²
HYDRO PRESSURE	36 KGF/CM ²	36 KGF/CM ²	36 KGF/CM ²	36 KGF/CM ²	36 KGF/CM ²	36 KGF/CM ²	36 KGF/CM ²	36 KGF/CM ²
BURSTING PRESSURE	55 KGF/CM ²	55 KGF/CM ²	55 KGF/CM ²	55 KGF/CM ²	55 KGF/CM ²	55 KGF/CM ²	55 KGF/CM ²	55 KGF/CM ²

Approval:  IS:16018





HIGHER CAPACITY STORED PRESSURE

TROLLY MOUNTED ABC TYPE FIRE EXTINGUISHERS (STORED PRESSURE)

FIRE EXTINGUISHER CAPACITIES	25kg.	50kg.	75kg.
MINIMUM PERIOD FOR WHICH THROW OF JET MAINTAINED	30 sec	30 sec	30 sec
MAXIMUM PERIOD TO DISCHARGE ATLEAST 90% OF CONTENTS	40 sec	50 sec	60 sec
MINIMUM RANGE OF JET	6 mtr.	6 mtr.	6 mtr.
FIRE RATING	20A, 233B	20A, 233B	20A, 233B
WORKING PRESSURE	15KGF/CM ²	15KGF/CM ²	15KGF/CM ²
HYDRO PRESSURE	36KGF/CM ²	36KGF/CM ²	36KGF/CM ²
BURSTING PRESSURE	55KGF/CM ²	55KGF/CM ²	55KGF/CM ²

Approval:  IS:16018



TROLLY MOUNTED WATER & FOAM FIRE EXTINGUISHERS (STORED PRESSURE)

FIRE EXTINGUISHER CAPACITIES	60 ltr.(Water Based)	60 ltr. (Foam Based)
MINIMUM PERIOD FOR WHICH THROW OF JET MAINTAINED	30 sec	30 sec
MAXIMUM PERIOD OF DISCHARGE ATLEAST 90% OF CONTENTS	180 sec	180 sec
MINIMUM RANGE OF JET	6 mtr.	6 mtr.
FIRE RATING	20A	20A, 233B
WORKING PRESSURE	15 KGF/CM ²	15 KGF/CM ²
HYDRO PRESSURE	36 KGF/CM ²	36 KGF/CM ²
BURSTING PRESSURE	55 KGF/CM ²	55 KGF/CM ²

Approval:  IS:16018





WATER MIST BASED FIRE EXTINGUISHERS



The fire extinguisher is Water Mist with foam additives with stored pressure design. The extinguisher is equipped with a rotor mechanism. Droplet size of water mist is less than 30 microns. The extinguishant will be water with foam additives suitable for A, B, C & F class of fire. The extinguisher is manufactured as per IS: 15683:2018. The extinguisher has controllable discharge mechanism to provide flexibility of releasing extinguishing agent on targeted fire location.

Key Features:

- ☑ CE Approved Valve
- ☑ Automatic Safety Pressure Released Feature in Valve
- ☑ Non Return Valve
- ☑ Controllable Discharge Mechanism
- ☑ Easy to use
- ☑ Maintenance Free
- ☑ Suitable for A, B, C & F Class of Fire
- ☑ Helium Leak Tested Fire Extinguisher

WATER MIST TYPE FIRE EXTINGUISHERS

FIRE EXTINGUISHER CAPACITIES	4 Ltrs. (Water)
MINIMUM PERIOD FOR WHICH THROW OF JET MAINTAINED	13 Sec
MAXIMUM PERIOD TO DISCHARGE ATLEAST 90% OF CONTENTS	60 Sec
MINIMUM RANGE OF JET	2 Mtrs
FIRE RATING	2A, 55 B, 15 F
WORKING PRESSURE	15 KGF/CM2
HYDRO PRESSURE	36 KGF/CM2
BURSTING PRESSURE	55 KGF/CM2

Approvals:  IS:15683  

WATER MIST TYPE FIRE EXTINGUISHERS

FIRE EXTINGUISHER CAPACITIES	2 Ltrs. (Water)
MINIMUM PERIOD FOR WHICH THROW OF JET MAINTAINED	8 Sec
MAXIMUM PERIOD TO DISCHARGE ATLEAST 90% OF CONTENTS	20 Sec
MINIMUM RANGE OF JET	2 Mtrs
FIRE RATING	1A, 34 B, 5 F
WORKING PRESSURE	15 KGF/CM2
HYDRO PRESSURE	36 KGF/CM2
BURSTING PRESSURE	55 KGF/CM2

Approvals:  IS:15683  

WATER MIST TYPE FIRE EXTINGUISHERS

FIRE EXTINGUISHER CAPACITIES	6 Ltrs. (Water)
MINIMUM PERIOD FOR WHICH THROW OF JET MAINTAINED	13 Sec
MAXIMUM PERIOD TO DISCHARGE ATLEAST 90% OF CONTENTS	60 Sec
MINIMUM RANGE OF JET	2 Mtrs
FIRE RATING	3A, 113 B, 25 F
WORKING PRESSURE	15 KGF/CM2
HYDRO PRESSURE	36 KGF/CM2
BURSTING PRESSURE	55 KGF/CM2

Approvals:  IS:15683  

WATER MIST TYPE FIRE EXTINGUISHERS

FIRE EXTINGUISHER CAPACITIES	9 Ltrs. (Water)
MINIMUM PERIOD FOR WHICH THROW OF JET MAINTAINED	15 Sec
MAXIMUM PERIOD TO DISCHARGE ATLEAST 90% OF CONTENTS	100 Sec
MINIMUM RANGE OF JET	2 Mtrs
FIRE RATING	3A, 183 B, 75 F
WORKING PRESSURE	15 KGF/CM2
HYDRO PRESSURE	36 KGF/CM2
BURSTING PRESSURE	55 KGF/CM2

Approvals:  IS:16018  

* Above fire extinguishers are available in mild steel and stainless steel



STAINLESS STEEL FIRE EXTINGUISHERS

CLEAN AGENT GAS BASED FIRE EXTINGUISHERS

CLEAN AGENT STORED PRESSURE TYPE FIRE EXTINGUISHERS

FIRE EXTINGUISHER CAPACITIES	2kg.	4kg.	6kg.
MINIMUM PERIOD FOR WHICH THROW OF JET MAINTAINED	8 sec	13 sec	13 sec
MAXIMUM PERIOD TO DISCHARGE ATLEAST 95% OF CONTENTS	15 sec	25 sec	27 sec
MINIMUM RANGE OF JET	2 mts	2 mts	2 mts
FIRE RATING	1A, 21B	2A, 34B	2A, 55B
WORKING PRESSURE	15KGF/CM ²	15KGF/CM ²	15KGF/CM ²
HYDRO PRESSURE	36KGF/CM ²	36KGF/CM ²	36KGF/CM ²
BURSTING PRESSURE	55KGF/CM ²	55KGF/CM ²	55KGF/CM ²
Approval:	EN3.7	CE	IS:15683
GAS: DUPONT™ FE36™ Clean Agent			



POWDER BASED FIRE EXTINGUISHER

ABC STORED PRESSURE TYPE FIRE EXTINGUISHER.

FIRE EXTINGUISHER CAPACITIES	4 KG	6 KG	9 KG
MINIMUM PERIOD FOR WHICH THROW OF JET MAINTAINED	13 sec	15 sec	15 sec
MAXIMUM PERIOD OF DISCHARGE ATLEAST 90% OF CONTENTS	20 sec	25 sec	30 sec
MINIMUM RANGE OF JET	2 mts	2 mts	2 mts
FIRE RATING	3A, 55B	4A, 89B	6A, 233B
WORKING PRESSURE	15 KGF/CM ²	15 KGF/CM ²	15 KGF/CM ²
HYDRO PRESSURE	36 KGF/CM ²	36 KGF/CM ²	36 KGF/CM ²
BURSTING PRESSURE	55 KGF/CM ²	55 KGF/CM ²	55 KGF/CM ²
Approval:	IS:15683		



WATER AND FOAM BASED FIRE EXTINGUISHERS

WATER / FOAM BASED STORED PRESSURE TYPE FIRE EXTINGUISHERS

FIRE EXTINGUISHER CAPACITIES	9ltr. (Water)	9ltr. (Foam)
MINIMUM PERIOD FOR WHICH THROW OF JET MAINTAINED	13 sec	25 sec
MAXIMUM PERIOD TO DISCHARGE ATLEAST 90% OF CONTENTS	100 sec	60 sec
MINIMUM RANGE OF JET	2 mts	2 mts
FIRE RATING	3A	4A, 233B
WORKING PRESSURE	15 KGF/CM ²	15 KGF/CM ²
HYDRO PRESSURE	36 KGF/CM ²	36 KGF/CM ²
BURSTING PRESSURE	55 KGF/CM ²	55 KGF/CM ²
Approvals:	IS:15683 CE	





WATER AND FOAM BASED FIRE EXTINGUISHERS

WATER / FOAM BASED STORED PRESSURE TYPE FIRE EXTINGUISHERS

FIRE EXTINGUISHER CAPACITIES	9ltr. (Water)	9ltr. (Foam)
MINIMUM PERIOD FOR WHICH THROW OF JET MAINTAINED	13 sec	15 sec
MAXIMUM PERIOD TO DISCHARGE ATLEAST 90% OF CONTENTS	100 sec	60 sec
MINIMUM RANGE OF JET	2 mts	2 mts
FIRE RATING	3A	4A,233B
WORKING PRESSURE	15 KGF/CM ²	15 KGF/CM ²
HYDRO PRESSURE	36 KGF/CM ²	36 KGF/CM ²
BURSTING PRESSURE	55 KGF/CM ²	55 KGF/CM ²
Approvals:  IS:15683  CE		



WATER / FOAM SQUEEZE GRIP CARTRIDGE TYPE FIRE EXTINGUISHERS

FIRE EXTINGUISHER CAPACITIES	9ltr. (Water)	9ltr. (Foam)
MINIMUM PERIOD FOR WHICH THROW OF JET MAINTAINED	13 sec	15 sec
MAXIMUM PERIOD TO DISCHARGE ATLEAST 90% OF CONTENTS	100 sec	60 sec
MINIMUM RANGE OF JET	2 MTS	2 MTS
FIRE RATING	3A	4A,233B
WORKING PRESSURE	15 KGF/CM ²	15 KGF/CM ²
HYDRO PRESSURE	36 KGF/CM ²	36 KGF/CM ²
BURSTING PRESSURE	55 KGF/CM ²	55 KGF/CM ²
Approval:  IS:15683		



TROLLEY MOUNTED WATER & FOAM TYPE FIRE EXTINGUISHERS

	WATER BASED	FOAM BASED
FIRE EXTINGUISHER CAPACITIES	45ltr.	45ltr.
MINIMUM PERIOD FOR WHICH THROW OF JET MAINTAINED	30 SEC	30 SEC
MAXIMUM PERIOD TO DISCHARGE ATLEAST 90% OF CONTENTS	180 SEC	180 SEC
MINIMUM RANGE OF JET	6 MTS	6 MTS
FIRE RATING	20A	20A, 233B
WORKING PRESSURE	15 KGF/CM ²	15 KGF/CM ²
HYDRO PRESSURE	36 KGF/CM ²	36 KGF/CM ²
BURSTING PRESSURE	55 KGF/CM ²	55 KGF/CM ²
Approvals:   IS:16018		





CLEAN AGENT GAS BASED FIRE EXTINGUISHERS

CLEAN AGENT STORED PRESSURE TYPE FIRE EXTINGUISHERS



FIRE EXTINGUISHER CAPACITIES	2kg.	4kg.	6kg.
MINIMUM PERIOD FOR WHICH THROW OF JET MAINTAINED	8 sec	13 sec	13 sec
MAXIMUM PERIOD TO DISCHARGE ATLEAST 95% OF CONTENTS	15 sec	25 sec	27 sec
MINIMUM RANGE OF JET	2 mtr	2 mtr	2 mtr
FIRE RATING	1A, 21B	2A, 34B	2A, 55B
WORKING PRESSURE	15KGF/CM ²	15KGF/CM ²	15KGF/CM ²
HYDRO PRESSURE	36KGF/CM ²	36KGF/CM ²	36KGF/CM ²
BURSTING PRESSURE	55KGF/CM ²	55KGF/CM ²	55KGF/CM ²
Approval:   IS:15683			
GAS: DUPONT™ FE36™ Clean Agent			
GAS: FK-5-1-12 Clean Agent			



CO2 GAS BASED FIRE EXTINGUISHERS



WHEEL TYPE / SQUEEZE GRIP TYPE CO2 FIRE EXTINGUISHERS

FIRE EXTINGUISHER CAPACITIES	2kg.Wheel	3kg.Wheel	4.5kg.Wheel	2kg.Squeeze	3kg.Squeeze	4.5kg.Squeeze
MINIMUM PERIOD FOR WHICH THROW OF JET MAINTAINED	8 sec	8 sec	8 sec	8 sec	8 sec	9 sec
MAXIMUM PERIOD TO DISCHARGE ATLEAST 95% OF CONTENTS	18 sec	20 sec	25 sec	18 sec	20 sec	25 sec
MINIMUM RANGE OF JET	2 mts	2 mts	2 mts	2 mts	2 mts	2 mts
FIRE RATING	21B	34B	34B	21B	34B	55B
WORKING PRESSURE	60KGF/CM ²	60KGF/CM ²	60KGF/CM ²	60KGF/CM ²	60KGF/CM ²	60KGF/CM ²
HYDRO PRESSURE	250KGF/CM ²	250KGF/CM ²	250KGF/CM ²	250KGF/CM ²	250KGF/CM ²	250KGF/CM ²
Approval: IS:15683						

TROLLEY MOUNTED TYPE CO2 FIRE EXTINGUISHERS

FIRE EXTINGUISHER CAPACITIES	6.5kg.	9kg.	22.5kg.
MINIMUM PERIOD FOR WHICH THROW OF JET MAINTAINED	15 sec	15 sec	15 sec
MAXIMUM PERIOD TO DISCHARGE ATLEAST 95% OF CONTENTS	30 sec	40 sec	60 sec
MINIMUM RANGE OF JET	2 mts	2 mts	2 mts
FIRE RATING	55B	55B	89B
WORKING PRESSURE	60KGF/CM ²	60KGF/CM ²	60KGF/CM ²
HYDRO PRESSURE	250KGF/CM ²	250KGF/CM ²	250KGF/CM ²
Approval: IS:16018			



PATENTED

Support Charge Control



**THE NEW REVOLUTIONARY
MECHANICAL CHARGE CONTROL
SYSTEM FOR CO2 FIRE EXTINGUISHERS
2,3 & 4.5 Kg.**

**THIS SYSTEM DETECTS AUTOMATICALLY
THE EXTINGUISHER'S WEIGHT
FULL AND EMPTY**

GREEN/FULL

RED/EMPTY



**FIRE
FIGHTING
DIVISION**

Support Charge Control



FULL / EMPTY INDICATOR

FASTENING FOR THE EXTINGUISHER

CALIBRATION SCREW

STANDARDISED HOLES FOR WALL MOUNTING

REMOVABLE BAR
TO AVOID CONTACT

OF THE EXTINGUISHER WITH THE WALL

EXTINGUISHER ADJUSTABLE SUPPORT GUIDES





AUTOMATIC MODULAR FIRE EXTINGUISHERS

AUTO SAFE AUTOMATIC FIRE EXTINGUISHER

Safex presents Modular type ABC Clean Agent Gas along with a range of gaseous Fire Automatic Extinguishers.

SAFEX Automatic ABC Dry Chemical Powder or Clean Agent Gas & other gaseous Fire Extinguishers is a technological break through that provides automatic fire protection for electrical and electronic flammable liquid and variety of other risks.

Auto Safe is an Automatic Extinguisher, which does not require any external source of power to operate. It can be utilized for local applications or total flooding of hazards.

The Modular type Extinguisher is based on Sprinkler technology. Unlike the Sprinkler, the Nozzle is Gas-tight. The release temperature can be adjusted to suit prevailing conditions.

This Extinguishers are most ideal for protection of computer area, ATM Center, server room, fuel and flammable liquid storage, oil fill-in stations, transformers, automobile garages, marine engines, paint and varnish booths, welding benches, domestic gas Storage's particularly for hotels etc, and where water damage cannot be tolerated.



TECHNICAL DATA CONSTRUCTION

Automatic Powder & Clean Agent Gas Fire Extinguisher mainly consist of MIG welded M.S. body 2 mm CRC Sheet upper part of which is fitted with adapter or Flange for fixing on ceiling wall. And below part fixed automatic release Nozzle based on Sprinkler technology unlike the Sprinkler Nozzle is gas tight the release temperature is adjusted with sprinkler imported bulb set at 57° C, or 68° C or special temperatures according to specific requirements and imported pressure gauge fitted for instant verification of reliability of every unit.

Nozzle is specially designed to give more than 99% discharge. Together with orifice characteristic to cover adequately fire risks with scattering cone of 40° to 45° angle.

This extinguisher is presently available in 4 sizes:

2, 5, 10 and 15 Kgs with either wall or ceiling mounted, Extinguishers of higher capacities and with special mounting's bracket can also be offered.

PERFORMANCE DATA

Cap. Avail.	Propellant (kgs / cm ²)	Working Pressure (kgs / cm ²)	Testing Pressure	Area Protection	Volume Protected Above Risk	Hanging Vertically Seconds	Operation Time in Gross	App.Net Weight	Extinguishing Agent
2 kgs	Nitrogen	7 to 15	35	1 to 1.5m ²	1m ³	1.5m	8-10	3.6	Powder/Clean Agent Gas
5 kgs	Nitrogen	7 to 15	35	3.5 to 4m ²	3m ³	1.5 to 2m	10-15	8.5	Powder/Clean Agent Gas
10 kgs	Nitrogen	7 to 15	35	7 to 8m ²	4m ³	1.75 to 2.25m	15-20	15	Powder/Clean Agent Gas
15 kgs	Nitrogen	13 to 15	35	8 to 10m ²	4m ³	2 to 3m	18-23	20	Powder/Clean Agent Gas

Note: Utilization temperature: 57°C to 107°C

THE ADVANTAGES

- Keeps guard and Extinguishes fire quickly and efficiently, especially in those places where fire could cause extensive damage if not detected and extinguished in time.
- Hazard free clean agent keeps article safe and intact in case of fire.
- Provides concentrated fire protection for vital equipments.
- Highly Cost effective compared to automatic Fixed Fire Protection Systems.
- It is a Portable unit, easy to install and re-locate.
- Imported pressure gauge fitted for instant verification of functionality and reliability of every unit.
- Automatic and reliable security round the clock.
- Provides security in case of emergencies and power failure without power backup.



EN 3.7 APPROVED FIRE EXTINGUISHERS

in Technical Collaboration with **S.A.C.E.P.** S.R.L. Italy



P 6 ELLEN

Features:

KG. 6 Power Fire Extinguisher

with wall hook built in 3 pieces

Ogive - Body and Bottom

Maximum Dimension MM

292 x H. 539

Diameter on the body - MM. 160

Total Mass KG. 10.700

FIRE CLASS

34A 233B C



P 6 SUPER

Features:

KG. 6 Power Fire Extinguisher

with wall hook built in 3 pieces

Ogive - Body - Bottom and Band

Maximum Dimension MM

292 x H. 539

Diameter on the body - MM. 160

Total Mass KG. 10.700

FIRE CLASS

21A 113B C



P 9

Features:

KG. 6 Power Fire Extinguisher

with wall hook built in 3 pieces

Ogive - Body - Bottom and Band

Maximum Dimension MM

295 x H. 576

Diameter on the body - MM. 190

Total Mass KG. 15.200

FIRE CLASS

21A 113B C



P 12 S

Features:

KG. 12 Power Fire Extinguisher

with wall hook built in 3 pieces

Ogive - Body - Bottom and Band

Maximum Dimension MM

345 x H. 648

Diameter on the body - MM. 190

Total Mass KG. 18.650

FIRE CLASS

34A 144B C



S 6

Features:

KG. 6 Saclon 2 Eco Fire Extinguisher

with wall hook built in 3 pieces

Ogive - Body - Bottom and Band

Maximum Dimension MM

292 x H. 539

Diameter on the body - MM. 160

Total Mass KG. 10.700

FIRE CLASS

13A 89B C



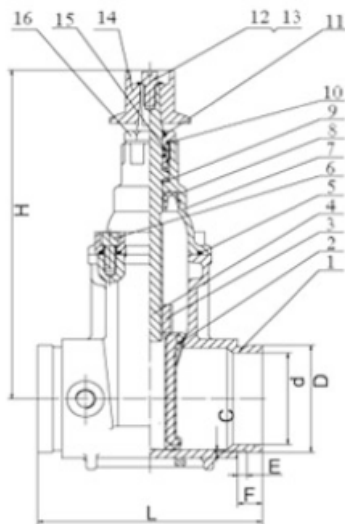
NRS Type Gate Valve

105QS / 108QS

105QS / 108QS Non-rising Stem Groove Joint Ends Resilient Wedge Gate Valves

- 1 Bolted Bonnet-Non-Rising Stem-Resilient Wedge-Flanged XGroove-GrooveXGroove
- 2 250 PSI/300 PSI/17.2 Bar Non-Shock Cold Working Pressure
- 3 CONFORMS TO AWWA C 509.
- 4 Coating-Electrostatically applied fusion-bonded epoxy 0.2-0.5mm inside and outside. Meets or exceeds AWWA C550. Maximum operating temperature 160°C/71°C. Freezing Weather Precaution-Subsequent to testing a piping system, valves should be in an open position to allow complete drainage.

Assembly Diagram



105QS Groove X Groove
Non-rising Stem Groove



108QS Groove X Flanged
Non-rising Stem Groove

Freezing Weather Precaution-Subsequent to testing a piping system, valves should be in an open position to allow complete drainage.



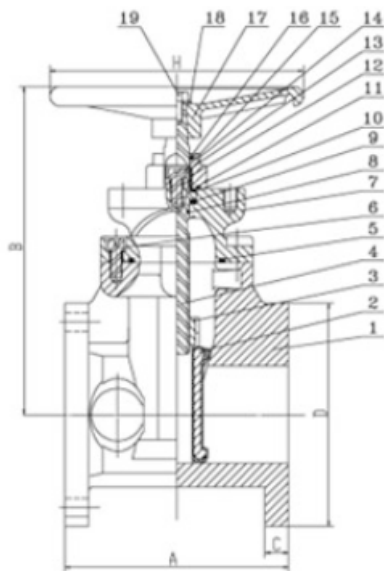
NRS Type Gate Valve

S909

S909 Non-rising Stem Flanged Joint Ends Resilient Wedge Gate Valves

- 1 Bolted Bonnet-Non-Rising Stem-Resilient Wedge-Flanged Ends
- 2 250 PSI/300 PSI/17.2 Bar Non-Shock Cold Working Pressure
- 3 CONFORMS TO AWWA C509

Assembly Diagram



S909 Flanged X Flanged
Non-rising Stem Flanged

Shown with optional handwheel
Freezing Weather Precaution-
Subsequent to testing a should be an
open position to plate drainage.



OS & Y Type Gate Valve

135QS / 138QS

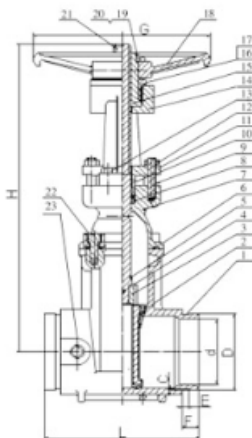
250 PSI AWWA C509 Iron Body Rising Stem Groove Joint Ends Resilient Wedge Gate Valves

- 1 Bolted Bonnet · Non-Rising Stem · Resilient Wedge · FlangedxGroove · GroovexGroove
- 2 250 PSI/17.2 Bar Non-Shock Cold Working Pressure 250 PSI / 17.2 Bar
- 3 250 PSI/17.2 Bar Non-Shock Cold Working Pressure (160° F/71° C max. operating temperature)
- 4 CONFORMS TO AWWA C509

FREEZING WEATHER PRECAUTION: Subsequent to testing a piping system, gate valve should be in an open position to allow complete drainage.

* Electrostatically applied fusion-bonded epoxy coated inside and outside per AWWA C-550

Assembly Diagram



135 QS Groove x Groove



138 QS Flanged x Groove

FREEZING WEATHER PRECAUTION: subsequent to testing a piping system, gate valve should be in an open position to allow complete drainage.



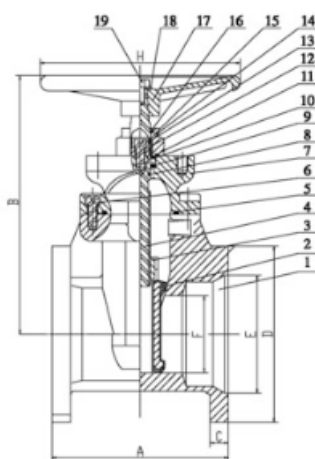
NRS Type Gate Valve

SJ 909

SJ909 Mechanical Joint Ends Resilient Wedge Gate Valves

- 1 Bolted Bonnet-Non-Rising Stem-Resilient Wedge-MJ Ends 250 PSI/17.2 Bar
- 2 250 PSI/300 PSI/17.2 Bar Non-Shock Cold Working Pressure
- 3 CONFORMS TO AWWA C509
- 5 Coating-Electrostatically applied fusion-bonded epoxy 0.2-0.5mm.inside and outside. Meets or exceeds AWWA C550.Maximum operating temperature 160°F/71°C.
- 6 Freezing Weather Precaution Subsequent to testing a piping system, valves should be in an open position to allow complete drainage.

Assembly Diagram



SJ909 Flanged X Flanged

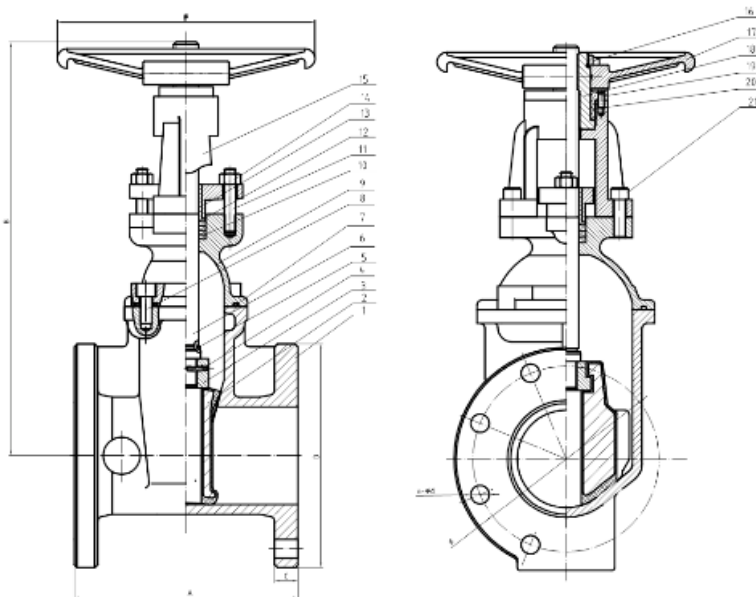
Shown with optional hand wheel
Freezing weather Precaution-
Subsequent to testing a should be in an
open position to plate drainage.



OS & Y Type Gate Valve

S907

S907(OS&Y) GATE VALVE,
Flanged, UL / FM,
Rated pressure 250PSI,
Flange Conforms to ANSI B16.1 Class125,



Freezing Weather Precaution –
Subsequent to testing a piping system,
valves should be in an open position to
allow complete drainage.



S907 Flanged X Flanged



Wafer Type Butterfly Valve,UL,ULC Listed,FM Approved

Model No.:SWD-371X

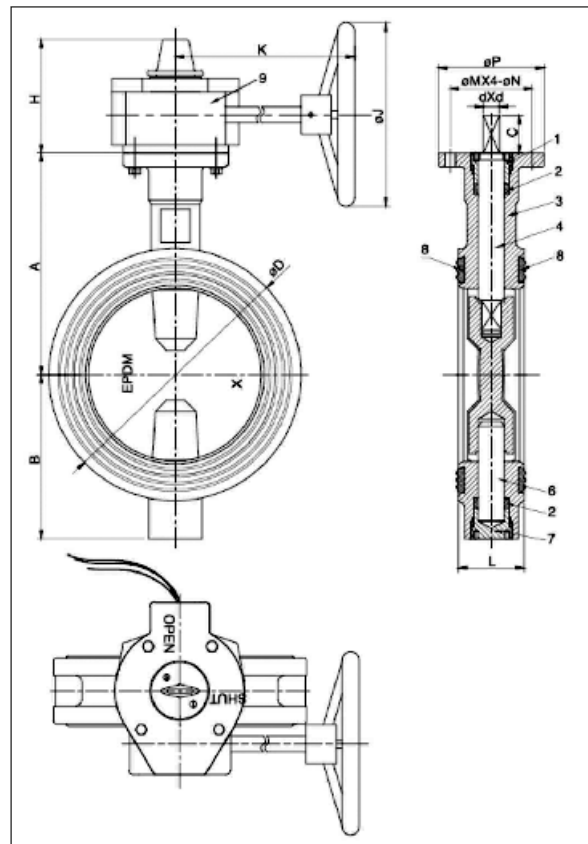


Working Pressure:300PSI(21Bars)

Working Temp:-20°C ~ 110°C(-4 °F ~ 230 °F)

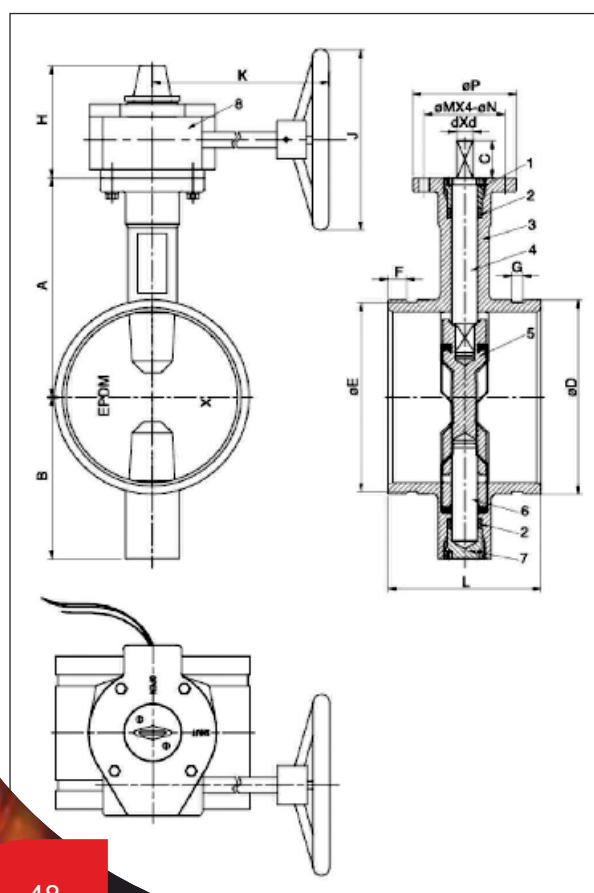
SIZE CHART

ITEM SIZE	A	B	C	D	H	K	J	P	M	N	d	L
2-1/2"	125	95	32	112	111	218	152	90	70	9	10	44.2
3"	140	100	32	120	111	218	152	90	70	9	11	45.3
4"	160	100	32	165	111	218	152	90	70	9	14	52
5"	170	125	32	182	111	218	152	90	70	9	14	54.4
6"	190	140	32	216	111	218	200	90	70	9	16	55.8
8"	230	175	32	260	126	232	300	125	102	12	19	60.5
10"	260	200	45	320	126	232	300	125	102	12	22	66.5
12"	300	240	45	375	161	252	350	150	125	14	24	76.9



Grooved Type Butterfly Valve,UL,ULC Listed,FM Approved

Model No.:SGD-381X



Working Pressure:300PSI(21Bars)

Working Temp:-20°C ~ 110°C(-4 °F ~ 230 °F)

SIZE CHART

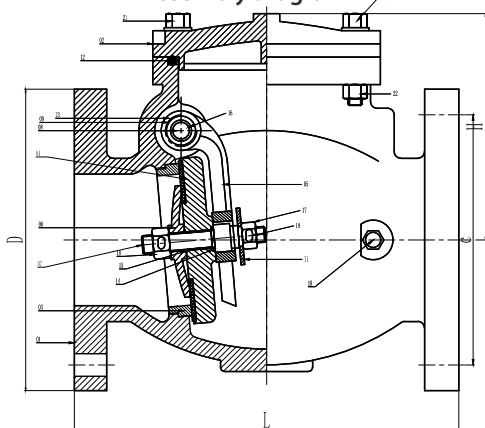
ITEM SIZE	A	B	C	D	E	F	G	H	K	J	P	M	N	d	L
2-1/2"	125	95	32	76.1	72.1	15.9	7.9	111	218	152	90	70	9	10	96.4
3"	140	100	32	88.9	84.9	15.9	7.9	111	218	152	90	70	9	11	97
4"	160	100	32	114.3	110.1	15.9	9.5	111	218	152	90	70	9	14	115.1
5"	170	125	32	114.3	137	15.9	9.5	111	218	152	90	70	9	14	132.4
6"	190	140	32	168.3	164	15.9	9.5	111	218	200	90	70	9	16	132.4
8"	230	175	32	219.1	214.6	19	11.1	126	232	300	125	102	12	19	147.4
10"	260	200	45	273	268.3	19	12.7	126	232	300	125	102	12	22	159
12"	300	240	45	324	318.3	19	12.7	161	252	350	150	125	14	24	165

Check Valve

MH-XQH-300



Assembly Diagram



TECHNICAL SPECIFICATION

- ☒ Nominal Pressure : 300PSI
- ☒ Flange Standard : ASME/ANSI B16.1 Class 125 OR ASME/ANSI B16.42 Class 150 or BS EN1092-2 PN16 OR GB/T9113.1
- ☒ Face To Face Standard : ASME B16.10
- ☒ Electrostatic Spraying Both Inside and Outside the Body

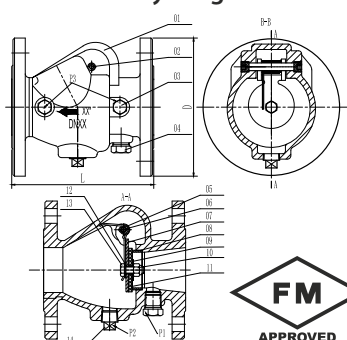
SIZE	2"	2.5"	3"	4"	5"	6"	8"	10"	12"
DN	DN50	DN65	DN80	DN100	DN125	DN150	DN200	DN250	DN300
L	203	216	241	292	330	356	495	622	698
D	152	178	191	229	254	279	343	406	483
H	142	148	163.5	172	237	233	301	348	419

No.	Name	Qty	Material/Standard
1	Body	1	DI, ASTM A536 65-45-12
2	Bonnet	1	DI, ASTM A536 65-45-12
3	Seat Ring	1	C95400, ASTM A148
4	Disc	1	DI, ASTM A536 65-45-12 + EPDM, ASTM 02000
5	Rocker arm	1	DI, ASTM A536 65-45-12
6	Baffle plate	1	C95400, ASTM A148
7	Middle stem	1	Ss304, ASTM A276
8	Stem	1	Ss304, ASTM A276
9	Bracket screw	2	SS304, ASTM A276
10	Plug	2	C95400, ASTM A148
11	Gasket	1	Ss304, ASTM A276
12	O-ring	1	EPDM, ASTM D2000
13	O-ring	2	EPDM, ASTM D2000
14	O-ring	1	EPDM, ASTM D2000
15	O-ring	1	EPDM, ASTM D2000
16	Bronze bush	2	Powder metallurgy
17	Nut	1	Ss304, ASTM A276
18	Nut	1	Ss304, ASTM A276
19	Cotter pin	2	Ss304, ASTM A276
20	Boit	N	1045, ASTM A29
21	Boit	M	1045, ASTM A29
22	Nut	N	1045, ASTM A29

MH-XQH-350F



Assembly Diagram



TECHNICAL SPECIFICATION

- ☒ Flange Standard : ASME/ANSI B16.1 Class 125 OR ASME/ANSI B16.42 Class 150 OR BS EN1092-2 Pn16
- ☒ Nominal Pressure : 350PSI, 300PSI, 250PSI, 200PSI, 175PSI OR PN16
- ☒ Existence of Tapped Holes P1, P2 and P3 Upon Clients' Request

No.	Name	Qty	Material/Standard
1	Valve Body	1	DI, ASTM A536 Grade 65-45-12
2	Bolt	2	1045 ,ASTM A29
3	Plug	2	1045 ,ASTM A29
4	Plug	1	1045 ,ASTM A29
5	Spring	1	S.S.304, ASTM A276
6	Hinge Pin	1	S.S.304, ASTM A276 OR DI, ASTM A536 Grade 65-45-12
7	Clapper	1	S.S.304, ASTM A276
8	Seat	1	C95400, ASTM B148
9	Clamping Ring	1	S.S.304, ASTM A276
10	Locknut	1	S.S.304, ASTM A276
11	Facing Seal	1	EPDM, ASTM D2000
12	Gasket	1	EPDM, ASTM D2000
13	Bolt	1	S.S.304, ASTM A276
14	Plug	1	1045 ,ASTM A29

MH-XQH-350FG-A & MH-XQH-350FG-B

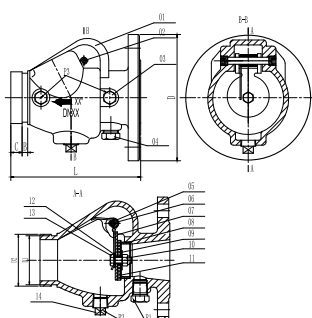
TECHNICAL SPECIFICATION

- ☑ Flange Standard : ASME/ANSI B16.1 Class 125 OR ASME/ANSI B16.42 Class 150 OR BS EN1092-2 PN16 OR GB/T9113.1;
- ☑ Groove Standard : METRIC OR AWWA C606;
- ☑ Nominal Pressure : 350PSI, 300PSI, 250PSI, 200PSI, 175PSI OR PN16.
- ☑ Existence of Tapped Holes P1, P2 and P3 Upon Clients' Request.

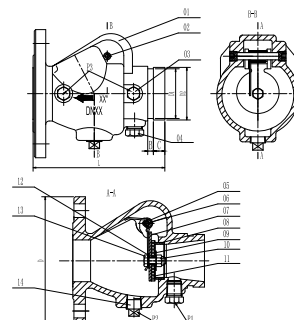


No.	Name	Qty	Material/Standard
1	Valve Body	1	DI, ASTM A536 Grade 65-45-12
2	Bolt	2	1045 ,ASTM A29
3	Plug	2	1045 ,ASTM A29
4	Plug	1	1045 ,ASTM A29
5	Spring	1	S.S.304, ASTM A276
6	Hinge Pin	1	S.S.304, ASTM A276 OR DI, ASTM A536 Grade 65-45-12
7	Clapper	1	S.S.304, ASTM A276
8	Seat	1	C95400, ASTM B148
9	Clamping Ring	1	S.S.304, ASTM A276
10	Locknut	1	S.S.304, ASTM A276
11	Facing Seal	1	EPDM, ASTM D2000
12	Gasket	1	EPDM, ASTM D2000
13	Bolt	1	S.S.304, ASTM A276
14	Plug	1	1045 ,ASTM A29

Assembly Diagram - A



Assembly Diagram - B



MH-XQH-350G

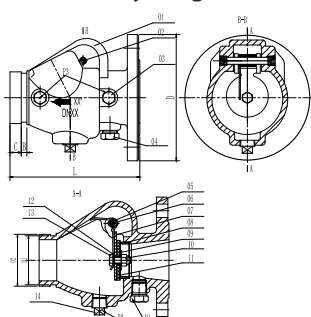
TECHNICAL SPECIFICATION

- ☑ Groove Standard : Metric Or a'nwa C606
- ☑ Nominal Pressure : 350PSI, 300PSI, 250PSI, 200PSI, 175PSI or Pn16
- ☑ Existence Of Tapped Holes P1, P2 And P3 Upon Clients' Request



No.	Name	Qty	Material/Standard
1	Valve Body	1	DI, ASTM A536 Grade 65-45-12
2	Bolt	2	1045 ,ASTM A29
3	Plug	2	1045 ,ASTM A29
4	Plug	1	1045 ,ASTM A29
5	Spring	1	S.S.304, ASTM A276
6	Hinge Pin	1	S.S.304, ASTM A276 OR DI, ASTM A536 Grade 65-45-12
7	Clapper	1	S.S.304, ASTM A276
8	Seat	1	C95400, ASTM B148
9	Clamping Ring	1	S.S.304, ASTM A276
10	Locknut	1	S.S.304, ASTM A276
11	Facing Seal	1	EPDM, ASTM D2000
12	Gasket	1	EPDM, ASTM D2000
13	Bolt	1	S.S.304, ASTM A276
14	Plug	1	1045 ,ASTM A29

Assembly Diagram



ARMAN[®]fire[®] Chef

Automatic Kitchen Suppression Systems



Kitchen hood and cooking equipment protection

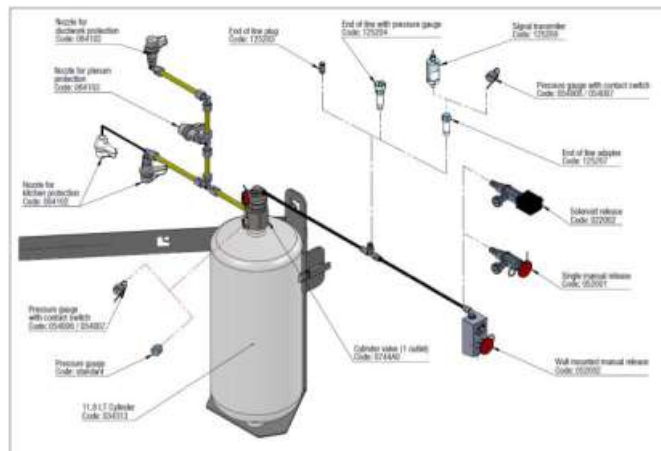
CERTIFIED BY



LPS 1223: Issue 2.3
LPCB Cert ref. 1408a

Kitchen Suppression Systems

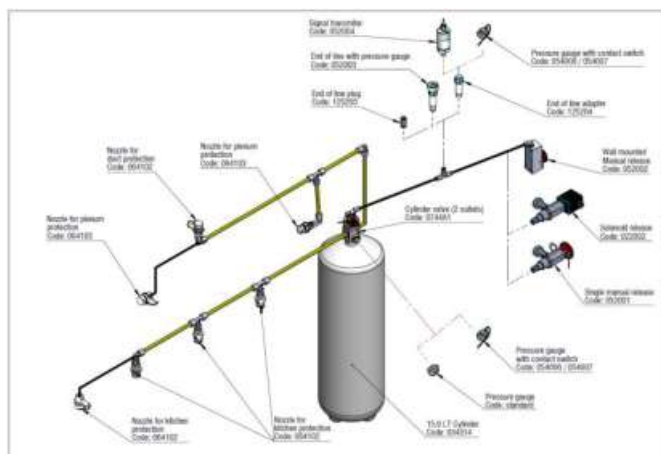
System P - Piccolo



PROTECTION COVERAGE

Nozzles	3	4
FULL protection	Max. length of the kitchen surface 300 mm	Max. length of the kitchen surface 600 mm
ZONE protection	Kitchen hoods up to, 4000 mm	
Width of worktop surface	Maximum 800 mm	
Extractor duct	Maximum cross section 500 x 500 mm	

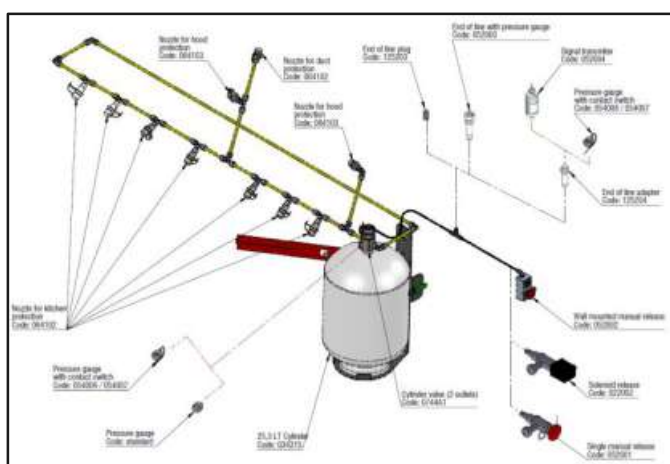
System M - Medio



PROTECTION COVERAGE

Nozzles	5	6	7
FULL protection	Max. length of the kitchen surface, 2400 mm	Max. length of the kitchen surface, 3200 mm	Max. length of the kitchen surface, 3200 mm
ZONE protection	Kitchen hoods up to, 8000 mm		
Width of worktop surface	Maximum 800 mm		
Extractor duct	Maximum cross section 500 x 500 mm		

System G - Grande



PROTECTION COVERAGE

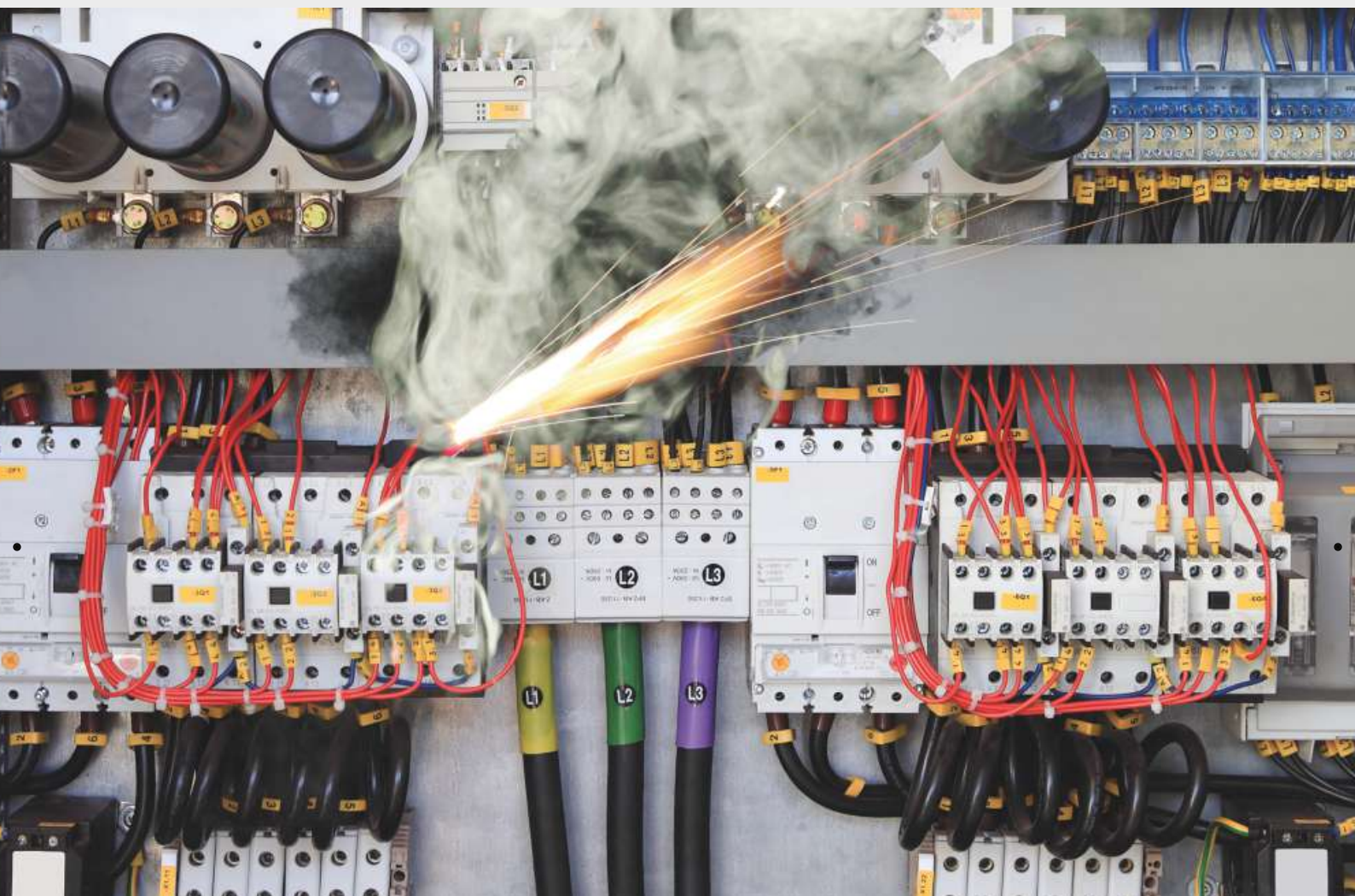
Nozzles	8	9	10
FULL protection	Max. length of the kitchen surface, 4000 mm	Max. length of the kitchen surface, 4800 mm	Max. length of the kitchen surface, 5600 mm
ZONE protection	Kitchen hoods up to, 8000 mm		
Width of worktop surface	Maximum 800 mm		
Extractor duct	Maximum cross section 500 x 500 mm		



All systems are approved by LPCB according to LPS 1223: Issue 2.3. This determines parameters guaranteeing simple design systems, quick installation and easy maintenance procedures.

ARMAN[®]fire[®]

Automatic Small Enclosure Suppression Systems



Protection of small unoccupied enclosures

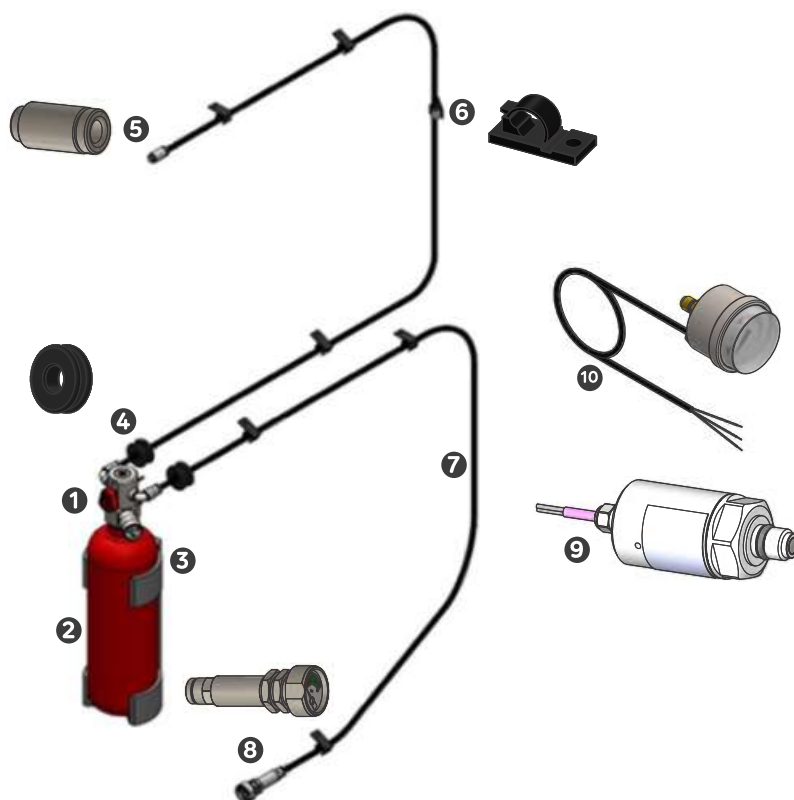
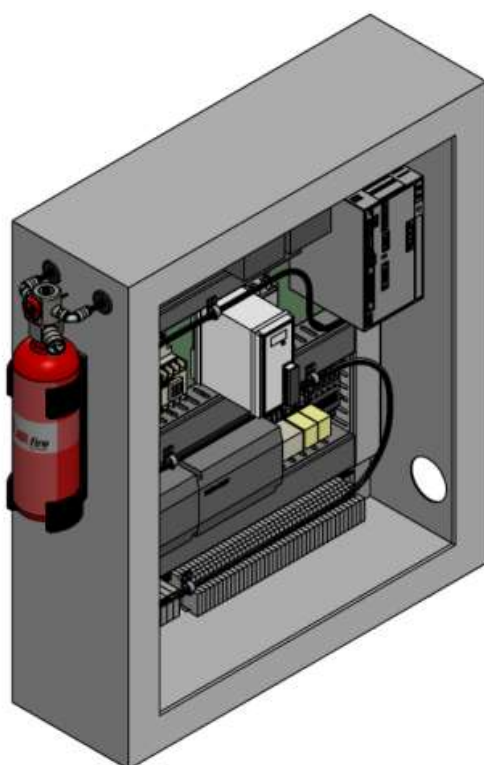
CERTIFIED BY



LPS 1666: Issue 1.0
Cert/LPCB ref. 1408b & 1408c

Automatic Fire Suppression System

- Chemical extinguishing agent:
- **HFC-227ea**
- System pressure at +20 °C: 18 bar
- Operating temperature range: -20 °C to +50 °C



System code for HFC-227ea	Quantity of agent	Cylinder capacities
ARF22701TB	1 Kg	1.3L
ARF22702TB	2 Kg	3.8L
ARF22703TB	3 Kg	
ARF22704TB	4 Kg	7.5L
ARF22706TB	6 Kg	

- 1 Cylinder valve
 - 2 Cylinder
 - 3 Cylinder bracket
 - 4 Grommet
 - 5 End of line plug
 - 6 Tube attachment
 - 7 Easydetect tube
 - 8 End of line with pressure gauge
- OPTIONAL COMPONENTS:**
- 9 Signal transmitter
 - 10 Pressure gauge with double contact

Approvals: LPCB approved direct low-pressure system (DLP) according to LPS1666 issue 1.0. LPCB Cert. ref. 1408b



LPS1666: Issue 1.0.
Cert/LPCB ref. 1408b

LPCB Certified up to 2m3

AIRfire
Worldwide

AIRfire®

Worldwide



Inerts



Chemicals



CO₂



Fire solutions that meet the real needs of customers

CERTIFIED BY



Gas Flooding Systems

Chemical system:

1. High pressure 50 bar system, direct flow type of valves.
2. Seamless cylinder up to 220 L, the unique and biggest cylinder in the market for 50 bar pressure
3. Minimum stock, solution compatible with Inert and CO2 material, advantages for production and distribution.
4. Cost-effective material, high filling ratio with single cylinder.
5. Safe, all can be assembled and disassembled with or without pressure.
6. System and software certified by VdS
7. Two agents approved hardware, possibility to change agent without changing the equipment
8. Direct release circuit: No need of pilot cylinder
9. New digital documents, allow installers to define the parameters easily, quickly and intuitively.
10. Discharge-free commissioning system, no spare parts after discharge
11. Easy installation, leakage points reduced with dedicated sealing solution.

Inert system:

1. All agent available: IG-01, IG-100, IG-55 and IG-541
2. Big range of configurations: 80 L and 140 L both at 200 bar or 300 bar.
3. Minimum stock, solution compatible with Chemical and CO2 material, advantages for production and distribution.
4. Seamless and modular manifold (in progress)
5. Modular and easy to assembly bracket (in progress)
6. System and software certified by VdS
7. Safe, all can be assembled and disassembled with or without pressure.
8. Direct release circuit: No need of pilot cylinder
9. Discharge-free commissioning system, no spare parts after discharge
10. New digital documents, allow installers to define the parameters easily, quickly and intuitively.
11. Easy installation, leakage points reduced with dedicated sealing solution.

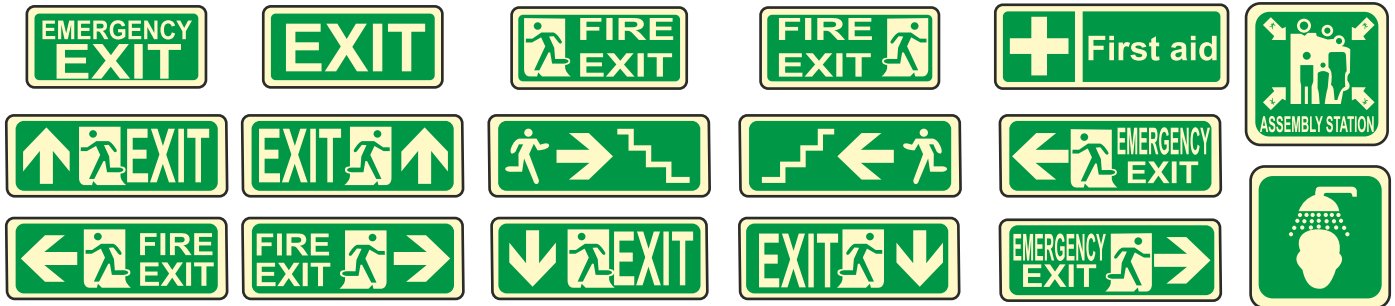
Carbon dioxide system:

1. Compact valve, no need for cylinder flange, easy shipment.
2. Differential pressure actuation, safe in different temperature ranges.
3. Minimum stock, solution compatible with Chemical and Inert material, advantages for production and distribution.
4. Seamless and modular manifold. (in progress)
5. Modular and easy to assembly bracket (in progress)
6. System and software certified by VdS
7. Safe, all can be assembled and disassembled with or without pressure.
8. Direct release circuit: No need of pilot cylinder
9. Discharge-free commissioning system, no spare parts after discharge
10. New digital documents, allow installers to define the parameters easily, quickly and intuitively.
11. Easy installation, leakage points reduced with dedicated sealing solution.



PHOTO LUMINESCENT SIGNAGES

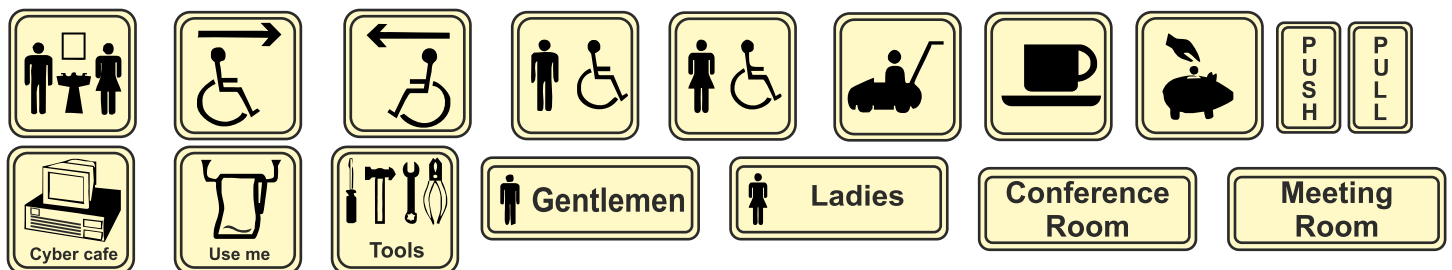
DIRECTION



PROHIBITION



GENERAL



WARNING



EVACUATION PLAN



ACCESSORIES



FIRE HOSE



FB-5X / FB-10X



FIRE WATER MONITOR



TRIPLE PURPOSE NOZZLE



CO2 GAS CARTRIDGES



FIREMAN'S AXE



ROSSETE PLATE



2 WAY / 3 WAY / 4 WAY FIRE BRIGADE INLAY



SPRAY NOZZLE



FIRE EXTINGUISHER FLOOR STAND



FIRE EXTINGUISHER TROLLEY



Corporate Office:
SAFEX FIRE SERVICES LTD.

A-202, Dhanraj Industrial Estate, Dhanraj Mill Compound, S. J. Road
Lower Parel (w), MUMBAI 400 013 INDIA
Telephone: +91 22 2493 8108/29. Fax: +91 22 2495 0224
Email: info@safexfire.com Website: www.safexfire.com

Sales Office

1126, Hubtown Solaris, 11th Floor, N. S Phadke Marg, Opp Telli Gully,
Near Hotel Regency , Andheri - (E), Mumbai - 400069
Tel : 022 6742 4112/3/4
Email: info@safexfire.com

Works:

SAFEX FIRE SERVICES LTD.

Plot No. 13, 14, 15, Opp. BIDCO, Village Mahim, Taluka Palghar, Dist.: Thane-401 402
Tel.: (02525) 252 686, 251 482. Fax: (02525) 251 625
Email: palghar@safexfire.com

Branch Offices

AHMEDABAD

103, Shanay II, Near Hemkoot Complex,
Behind LIC Building, Ashram Road,
Ahmedabad - 380 009.
Tel: 079-2658 4650 Fax: 079 2658 0963
Email: ahmedabad@safexfire.com

BANGALORE

No. 11, 2nd "B" Cross, 6th "B" Main Road,
Meenakshi Nagar, Kamakshipalya,
Bangalore - 560 079
Tel.: 080-2328 7779 Fax: 080-2328 7809
Email: bangalore@safexfire.com

BARODA

57 Sardar Nagar,
Near Sardar Nagar Post Office,
Nizampura,
Baroda - 390 002
Telefax: 0265 2793982
Email: ahmedabad@safexfire.com

SECUNDARABAD

Plot No 22/A, Temple Rock Enclave,
Chitta Reddy Colony, Manovikas Nagar, Tadbund,
Secundarabad - 500 009.
Tel.: 040-2754 3211, 2754 0884
Fax: 040-2754 3072
Email: secunderabad@safexfire.com

CHENNAI

03, Ormes Road, Kilpauk,
Chennai - 600 010.
Tel.: 044-2641 1855
Fax: 044-2642 7580
Email: chennai@safexfire.com

NEW DELHI

B-93, 3rd Floor, Mayapuri Industrial Area, Phase - 1,
New Delhi - 110064.
Tel: 011 4554 6511/12/13
Fax: 011 4554 6513
Email: newdelhi@safexfire.com

KOLKATA

Email: ruchit@safexfire.com
Mob.: 092224 23106

