























Self Reliant



# SAFE PRO®

FIRE SERVICES PYT. LTD.



Aleem Khan



### **MISSION STATEMENT**

We at Safe Pro Fire Services Pvt. Ltd. as the name suggests are the safety professionals committed to raise the bar of excellence in the area of service, products & quality. We believe in continuously delivering the exact solution to meet client requirements in terms of price, quality, performance and complexity. It is our holistic endeavor to uphold the highest ethical standard, commitment & integrity, in servicing our customers world wide. We are committed to Corporate Environmental Responsibility (CER), also known as "Green CSR", by reducing the carbon footprints that have a negative impact on the environment, and work towards a green ecology, by shaping a better & safe future, professionally, technologically and ecologically.



### INTRODUCTION

Established in 2000, SAFE PRO FIRE SERVICES PVT. LTD. an ISO 9001:2015 Company has grown to become one of the trusted & most innovative manufacturer of portable, trolley/trailer mounted fire extinguishers & gas cartridge, for commercial & industrial application. SAFE PRO brand is renowned for the quality of its product & reliability of services. SAFE PRO has earned a reputation for excellence in the fire protection industry. Our policy of continual investment in the state-of-art technology & innovative products development, allows us to offer our unique brand of high quality product at great value.

Our company has acquired all the necessary infrastructure, licences & established full fledged manufacturing plant in Bhiwandi with the capacity of producing more than 10000 units of fire extinguisher per day. In product development we seek to be at the forefront of best practice, always anticipating changes within our industry.

To ensure that our dealers and customers get the highest quality fire protection equipments, all our products undergo rigorous in house testing at all stages of production. On demand, third party testing is also available.

SAFE PRO brand is managed by a highly qualified management team with excellent engineering skills. Our quality control & project team are well equipped with a modern laboratory. Our reputation and brand value is very important to us & is supported by many years of proven performance in serving our esteemed customers. We continue the strive to achieve excellent quality in fire protection solution that are so special & valuable for our customers satisfaction.

Our state of the art manufacturing facility makes us the most preferred company in the country for contract manufacturing

### **SAFE PRO**

#### ◆ VISION ◆

SAFE PRO FIRE SERVICES PVT. LTD. aspires to be recognized as a forefront global leader and synonymous for saving lives and protecting properties in the fire and safety sector.

#### ◆ MISSION ◆

SAFE PRO FIRE SERVICES PVT. LTD. is committed to raise the bar of excellence in the area of product, services and quality. We believe in endeavouring our commitment by upholding the highest ethical standard, commitment & integrity.

#### ◆ VALUES ◆

- · Safety for Anything and Everything.
- · Flexibility.
- · Consistency.
- · Reliability.
- · Integrity and Ethics
- Customer Focus
- Zero Complaints

#### ◆ AREA OF APPLICATION ◆

- · Pharmaceuticals Sector
- Government Sector
- Industrial Sector
- Banks
- Commercial Malls
- Oil & Gas Refineries
- Aviation

- Defence
- · Residential Apartments
- Transportation
- Warehouses
- · High-Rise Buildings
- Power Sector
- Ports

& Many Others

### **ESTEEMED CLIENT LIST**









































































































































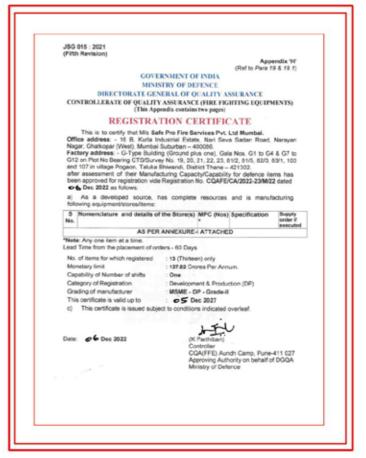




















### Form C Government of Maharashtra Food And Drug Administration Food Safety and Standards Authority of India License under FSS Act, 2006



License Number: 11522018000013

Name & Registered Office address of Licenses:

M/s. Safepro Fire Services Privace Limited / Mr. Waris Ali Baeiruddin Khan & Mr. Zubair Badruddin Khan (Directors) Badruddin Khan (Directors) Gala No. G-1 to G-4, G-7 to G-12, S. No. 19, 20, 21, 22, 23, 81/2, 81/5, 82/1, 83/1, 103 & 107, Vill. Pogaev, Tat. Bhawandi, Dist. Thurse. Bhiwandi Municipal Corporation (Thane Zone-5) Maharashtra-42/1302

Gala No. G. 19. G.4, G.7 to G.12, S. No. 19, 20, 21, 22, 22, 8172, 8178, 8271, 8271, 920 to 107, Will Pogaon, Tal. Blawardi, Dist. Thame, Bhivandi Tahushii (Except Bleand Manricipal Corporation & Kasheli, Kalifrer, Reharali Purna revenue «illages), Bhivandii Municipal Corporation (Thane Zone-5) , Maharashtra-421302

3. Kind of Business:

4. Dairy Business Details:

5. Category of License:

and Municipal Corporation (Thane Zone-5)

Designated Officer Issued On: 07-01-2022 (New License) Valid Upto: 06-01-2027 (For details, refer Annex

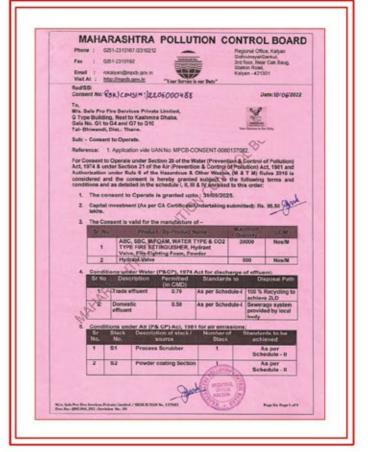
Miniory of Commerce and Industry
Directorate General of Foreign Trade
Office of the Additional Director General of Foreign Trade, Mumba
CGO Office, New Building, SE wing, New Marine Lines, Churchgate, Mo This is to certify that SAFE PRO FIRE SERVICES PRIVATE LIMITED is issued an Importer-Exporter Code (IEC) 0315009659 with details as follows -स्थाई खाता सं.(पैन) /PAN AAUCS8413N कर्त का नाम/Firm Name SAJE PROFIRE SERVICES PRIVATE LIMITED Per th sight /Nature of Private Limited तारी करने की तारीक Date of 18/95/2015 16 R. KURLA INDL. ESTATE, NARI SEVA SADAN BOAD, GHATKOPAR WEST, Compet No. 02225120013,02225129012. MUMBAL, MAHARASHTRA MUMBALMAHARASHTRA 400 Registered Address Waris Ali Bedruddin Khon Refer online at https://dgft.gov.in or scan the QR Code Director / Partner Details ren/purg /Branch Details Refer online at https://dgft.gov.in-or-scan the QR Code Last Modified: 29/06/2021 File Number: MUMIECPAMEND00039192AM22 ione: This is a system-generated certificate. Authenticity / Updated details of the EEC can be check filtical DGFT website <a href="https://def.gov.im.bl/pentering-the-IEC">https://def.gov.im.bl/pentering-the-IEC</a> Details. You can also authenticate the certificate by scanning the QR code.















भारतीय मानक खूरो Bureau of Indian Standards The National Standards Body of Budia

Mumbul Branch Office-II-Manakalays, E9 MIDC, Andheri East, Mumbul, 400013, Mumbul, MUMBAI CITY, MAHARASHITRA, 400093 022-28329295, 28327892

02228264392

#### BUREAU OF INDIAN STANDARDS

Attachment to Licence No. CM/L-7800087821

Name of the Licensee with the Factory Address CML-No Indian Standard No. 

#### Endorsement No. 2 Dated 10-Jun-2022

Whereas, the licence was valid upto Twenty Sixth July Two Thousand Twenty Two.

Now, consequent upon renewal, the validity of the licence given in schedule of the Licence Dated 25-I/L-2022 has been extended from Twenty Sixth July Two Thousand Twenty Two to Twenty Fifth July Two Thousand Twenty Four

nok Bhavon, 9 Bahadur Shah Zafar Marg, New Delhi 110002. J Bahadur Shah Zafar Marg, "DELHI,110002

Contact Nec +91 11 25230131, 23233575, Fax: +91 11 23234062, 232 Email: info@bis.gov.in



भारतीय मानक व्यूरो Bureau of Indian Standards The National Standards Body of India

Mumbai Branch Office-II-Manakalaya, E9 MIDC, Andheri East,Mumbai,400093, Mumbai, MUMBAI CITYMAHARASHTRA,400093

622-28329295, 28327892 62228264052

#### BUREAU OF INDIAN STANDARDS

Attachment to Licence No. CM/L-7800087720

Name of the Licensee with the Factory Address Name of the Product CM/L-No Indian Standard No. 

#### Endorsoment No. 2 Dated 16-Jun-2022

Whereas, the licence was valid upto Twenty Sixth July Two Thousand Twenty Two.

Now, consequent upon nunesad, the validity of the licence given in schedule of the Licence Dated 25-JUL-2022 has been extended from Twenty Sixth July Two Thomason Twenty Two to Twenty Fifth July Two Thomason Twenty Four

Branch Head (Mumbai Branch Office-II)

Marak Bhavan, 9 Bahadur Shah Zafar Marg, New Delhi 110002.,9 Bahadur Shah Zafar Morg, "DELHE,110002

Contact Not +91 11 23230131, 23231375. Fax: +91 11 23234062, 232 Email: infe@bis.gov.in

#### CERTIFICATE OF COMPLIANCE

Certificate Number EX28777
Raport Reference EX28777 -20220428
Issue Date 2022-APRIL-28

Issued to: SAFE PRO FIRE SERVICES PRIVATE LIMITED.

16-B.Kurla Industrial, Estate Narayan Nagar, ghatkoper (w)

Mumbai Maharashtra, 400086,

CLEAN AGENTS FOR FIRE EXTINGUISHERS AND EXTINGUISHING SYSTEM UNITS - COMPONENT SAFE PRO 1230 , FK-5-1-12

Have been investigated by Ut, in accordance with the component requirements in the Standard(s) indicated on this Certificate. Ut Recognized components are incomplete in certain constructional features or restricted in performance capabilities and are intended for installation in complete equipment submitted for investigation to Ut, LLC.

Standard(s) for Safety: ANSI/UL 2100, Halocarbon Clean Agent Extinguishing System Units.

Additional Information:

See the UL Online Certifications Directory at https://iq.ulprospector.com for additional information.

This Certificate of Compliance does not provide authorization to apply the UL Recognized Component Mark. Only the UL Foliow-Up Services Procedure provides authorization to apply the UL Mark.

Only those products bearing the U. Recognized Component Mark should be considered as being U. Certified and covered under Ut's Follow-Up Services.

Look for the UL Recognized Component Mark on the product.

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Address: Manufadnya, E9 MIDC, Andren East Munited 400093

Phones: 623-28309091, 28327892

#### ATTACHMENT TO LICENCE NO. CM/L- 7700134215

CMLNO	NAME OF THE LICENSEE WITH ADDRESS	PRODUCT	ISNO
7790134215	MIS SAFEPRO FIRE SERVICES PYT LED HIBB & C, KURLA INDUSTRIAL ESTATE NS S ROAD, GHATKOTAR WEST 400 08H DIST MUMBAI SUBURBAN MANGARSHITZA	WHEELED FIRE EXTINGUISHERS - PERFORMANCE AND CONSTRUCTION	IS 14018 : 2012

ENDORSEMENT NO. 63 Dated 10 08 2020

Whereas, the licence was valid upto Twenty-second July Two Thousand and Twenty.

Now, consequent upon renewal, the validity of the lisence given in first schedule of the original increasembrenesses no. (2) has been extended from Twenty-third July Two Thousand and Twenty to Twenty-thereod July Two Thousand and Twenty-there.

Other terms and conditions of Licence remain the same.

6. K. K. 19/10/10/10 PAWAN KUMAR KANDOL Sc. F & Head(MUBO-I)





Mumbai Branch Office-Il-Manakalaya, E9 MIDC, Andheri East,Mumbai,400093, Mumbai, MUMBAI CITY,MAHARASHTRA,400093

622-28329295, 28327892 62228264352 E-Mail: mube2@bis.gov.in www.bis.org.in, Wale

#### BUREAU OF INDIAN STANDARDS

Attachment to Licence No. CM/L- 7700150811

Indian Standard No. Name of the Licensee with the Factory Address Name of the Product CM/L-No SAFEIRO FIRE SERVICES
PYT LID AURYEY NO
SUB-GALA NO 14 TO 18
BLDG NO KM-1,
BLDG NO KM-7700150611 IS 15683 : 2018

#### Endorsement No. 2 Dated 02-Sep-2022

Whereus, the licence was valid upto Twenty Third October Two Thousand Twenty Two.

Now, consequent upon renewal, the validity of the licence given in schedule of the Licence Dated 22-DCT-2022 has been extended from Townry Third October Two Thousand Twenty Four Thousand Twenty Four Twenty Second October Two Thousand Twenty Four

Other terms and conditions of licence remain same.

Branch Head (Mumbai Branch Office-II)

Manak Bhavan, 9 Bahadur Shah Zafar Marg, New Delhi 110002, 5 Bahadur Shah Zafar Marg, JDELHIL/10002

Contact No: +91 11 23230131, 23233375, 23239402

Fasz +91 11 23234062, 232 Email: info@bis.gov.in



भारतीय मानक व्यूरो

Fax: E-Mail:

Mumbai Branch Office-II-Manakaliya, 19 MIDC, Andheri East, Mumbai, 40093, Mumbai, MUMBAI CITY, MAILARASHTRA, 400093 622-28329295, 28327892

nubc2(jbis.gov.is www.bis.org.in,

#### BUREAU OF INDIAN STANDARDS

Attachment to Licence No. CM/L-7800086819

CML/No	Name of the Licenser with the Factory Address	Name of the Product	Indian Standard No.
7800086819	SATEPRO FIRE SERVICES PVILID, -G-Type Building (Genund Pina Otee, Galar nos. GL-Q2, GM,G4, G7,G8, G9, GH, GH and GI2 on plot bearing CTS / , survey no. F9, 20, 21, 22, 23, 80/2, 81/5, 827,831, 100 and 107, Village.	Specification for Fire Hose Delivery Couplings, Branch Pipe, Nazzles And Nozzle Spanner - Specification	

Whereas, the licence was valid upto Thirty June Two Thousand Twenty Two

Now, consequent upon renewal, the validity of the licence given in schedule of has been extended from Thirty Jame Two Thousand Twenty Two to Twenty Ninth Jame Two Thousand Twenty Four

Other terms and conditions of licence remain same.

Manak Bhavan, 9 Bahadur Shah Zafar Marg, New Delhi 110002.,9 Bahadur Shah Zafar Marg, ,DELHI,110002

Contact No: +91 11 23230131, 23230375. Fax: +91 11 23234042, 232 Email: infe@bis.gov.in

कृषि और प्रशंस्कृत खाद्य उठाड़ निर्मात विकास व्यक्तिकरण अGRICULTURAL AND FROCESSED FOOD PRODUCTS EXPORT DEVELOPMENT AUTHORITY (विभिन्न एवं उद्योग मंत्रात्य, भारत सरकार)

(Ministry of Commerce and Industry, Gevt. of India) থলীককে, বস্তু-বন্ধবুধবার নিয়েল-ব্যস REGISTRATION-CUM-MEMBERSHIP CERTIFPCATE

(t) JAPE PRO FIRE SERVICES PYTATO

Mis. 16 D, KURLA ROUGTINA, SETATE, NARI SEVA SAC SEMBASSICE/REAR, MAHARASHTINA, 40086.
SEMBIN SERVICES PROPERTY AND SEVA SAC SEMBIN SERVICES PROPERTY AND SERVICES

e bro wa 1 fils og Fréder Frakfille filserik is servajit elle prinsp met avec Frede Beset urfesen it videge i avrily fred fre film is eglekend with the Agriculturil And Processed Fred Francis Depart Development Authority, as yer fre

ह विकारी तिल् पंजिन्त है (उरावादी का निवास पैठी दिन्स गय है) Product for which registered Products details given overlesh;

1) com a re-der Alle (1) com (1) com

যাহু মানাচ-বাহ প্ৰতিয়া নামিনিকৰা 1985 (1986 কা নামিনিকৰ যাঁজাৰ্ক হ) দী নিম্মীয়ে জাৱাঁ কি নামীন জাৱী জিনাহ কৰা है। This partitionis in instanted subject to the coordinates based down in APRICA ACT 1985 (ibs. 2 of 1984) of this Authority

SUPERIOR STATES SERVICES CONTROL IN VALUE OF THE CONTROL OF THE CO



ng var, di, yn, di phagfine are it skritz firm rez (). The PCMC is electroscally generated

 $\chi_0^{\rm eff} \approx 0.764 {\rm pc}^2$  and  $\chi_0^{\rm eff} \approx 0.754 {\rm pc}^2$  Terms & Conditions are mentioned on the next page.





Mumbui Branch Office-II-Manskaleya, E9 MIDC, Andheri East, Mumbui, 400093, Mumbui, MUMBAI CITY, MAHARASHTRA, 400093

622-28329295, 28327892 6222126-052 mubs2@his.gov.in www.bis.org.in, www.manakooline.in

#### BUREAU OF INDIAN STANDARDS

Attachment to Licence No. CM/L-7800086718

CML-No	Name of the Licensee with the Factory Address	Name of the Broduct	Indian Standard No.
7800084718	SAFEPRO FIRE SERVICES PVT.LTDGala nos. G1, G2, G3,G4, G7,G8, G9, G90, G11 and G12 on glot bearing CTS / survey so. 19, 26, 21, 22, 23, 81/2, 81/5, 82/3,83/1, 100 and 102 Village Pogaon , Briwardi ; 421302	*Specification for landing valves	IS 5290 : 1993

#### Endersement No. 1 Dated 05-May-2022

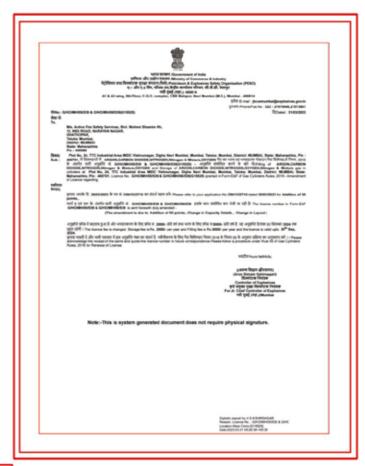
Whereas, the licence was valid upto Thirty June Two Thousand Twenty Two

Now, consequent upon renewal, the validity of the licence given in schedule of has been ext. Thirty June Two Thousand Twenty Two to Twenty Nixth June Two Thousand Twenty Four

Manak Bhavan, 9 Babadur Shah Zafar Marg, New Delhi 110002, ,9 Bahadur Shah Zafar Marg, ,DELHI,110002 Contact Not +91 11 23230131, 23233375, Fax: +91 11 23234062, 232 Email: info@bis.gov.in



### **PESO Approved Filling** Certificates for 300 Bar System





is no objection to your carrying out periodic examination and testing of CXYGEN,NTROGEN,CARBON ZE,ARGON, Seamless cylines in your above mentioned container testing station subject to the obsevance of the

groundstream; quassing of the contents shall be dune at the place approved by this effice. The cylinders shall be fully depassed till by zero reading for the absence of the flammable gas when tested with Explosives meter before subjecting the 5 for testing.

symmetrs for learning. 2 Not more than the optimizers shall be degassed at a time.

3. The degassing and leating of cylinders shall be carried out only during daylight hours.

4. The examination and testing of cylinders shall be carried out only under continuous supervision of qualified and exemplance description.

fers, which are approved for filling in writing by CCE office ,shall only be undertaken for periodic

requirements of Provisions of Rule 35 of the said rules shall be followed and records of test and examination of is shall be maintained for the service life of the Cylinders. The data record maintainanace system shall be fully

The other relevant provisions of the said rules are compiled with.

The approvel may be reviewed annexeded or villedness at any time. If considered necessary is the infrest of sa are of the conditions mentioned above is violated or not correlated with.



**PESO Approved Testing** Certificates Per 450 Bar



#### ISI (INDIAN STANDARDS INSTITUTION MARK) -

ISI stands for Indian Standards Institute; it is the certificate scheme under Bureau of Indian Standards which ensures that a product withstands the BIS standards and safety. ISI Mark Certification allows you to use the ISI Mark on your product.



#### ENISO 9001:2015

It is the international standard that defines the requirements for a Quality Management System (QMS).



#### EUROPEAN PRESSURE EQUIPMENT DIRECTIVE 2014/68/EU

CE stands for CONFORMITE EUROPEENNE. The CE marking shows that the manufactures has checked, these products meet EU safety, health or environmental requirements.



#### UL (UNDERWRITERS LABORATORIES) -

They certify products with the aim to make the world a safer place for both workers and consumers. Besides testing, they set industry standards to follow when innovating new products. The UL certificate is universally accepted for quality.



#### · MAHARASHTRA FIRE SERVICE

This licence is issued by the government of Maharashtra India to those contractor who have a consistent track record for delivering quality products & services.



#### DGQA

Directorate General of Quality Assurance (DGQA) is an Inter-Service Organisation functioning under the Department of Defence Production in the Ministry of Defence.

The application of these approved products are for quality certification in the three (Army, Navy, Air force) armed forces of India.



#### IRS

Indian Register of shipping (IRS) is a government appointed body who are entreated for issuing certification for type approval . which ensure quality products at all times. The application of these approved products are for marine use.



### PESO (PETROLEUM AND EXPLOSIVES SAFETY ORGANIZATION) -

PESO's major work is to administer the responsibilities delegated under the Explosives Act 1884 and Petroleum Act 1934 and the Rules made there under related to manufacture, import, export, transport, possession, sale and use of Explosives, Petroleum products and Compressed gases.



#### FSSAI (THE FOOD SAFETY AND STANDARDS AUTHORITY OF INDIA)

FSSAI has been created for laying down science based standards for articles of food and to regulate their manufacture, storage, distribution, sale and import to ensure availability of safe and wholesome food for human consumption.



### APEDA (AGRICULTURAL AND PROCESSED FOOD PRODUCTS EXPORT DEVELOPMENT AUTHORITY)

(APEDA) provides rules, regulations, and guidelines to exporters on various products as per the concerned country for export.



### CIMFR (CENTRAL INSTITUTE OF MINING AND FUEL RESEARCH) -

It is a constituent laboratory of Council of Scientific & Industrial Research, an autonomous government body and India's largest research and development organization.



#### SABER

SABER is a platform in Saudi Arabia that allows importers and local manufacturers to electronically obtain the required Certificate of Conformity and Certificate of Shipment Conformity for consumer goods.



#### · FDA



The Food and Drug Administration is responsible for protecting the public health by ensuring the safety, efficacy, and security of human and veterinary drugs, biological products, and medical devices; and by ensuring the safety of our nation's food supply, cosmetics, and products that emit radiation.

### **ABC POWDER TYPE**



### **POWDER FIRE EXTINGUISHER**

Dry chemical powders are important fire fighting agents. The main advantage is practically immediate success of extinguishing a fire. Furthermore one can use dry powders for extinguishing large scale fires, spillage fires and three dimensional fires.

- ISI Marked
- 1 year warranty

• Safe for use on live electrical equipment





Controlled discharge



MODEL	SPF- 1 KG ABC P	SPF- 2 KG ABC P	SPF- 4 KG ABC P	SPF-6 KG ABC P	SPF-9 KG ABC P
CYLINDER MATERIAL	M.S.	M.S.	M.S.	M.S.	M.S.
CAPACITY (KG)	1	2	4	6	9
FIRE RATING	1A 21B	1A 34B	3A 89B	4A 144B	6A 233B
EXTINGUISHING MEDIUM	MAP 90%				
TEMPERATURE RANGE	-30°c to + 60° c				
AVERAGE DISCHARGE TIME (Sec.)	8-10 Sec.	10-14 Sec.	15-20 8+4.	16-22 Sec.	20-25 see.
AVERAGE DISCHARGE RANGE (Meters)	02 Mirs.	02 Mtrs.	O4 Mtrs.	05 Mtrs.	05 Mtrs.
OPERATING PRESSURE	15 BAR				
TEST PRESSURE	35 BAR				
EXPELLANT	NITROGEN	NITROGEN	NITROGEN	NITROGEN	NITROGEN
O2 CARTRIDGE CAPACITY (grams)	_	_	-	-	_











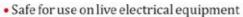
### **BC POWDER TYPE**



### **POWDER FIRE EXTINGUISHER**

BC Powder fire extinguishers are ideal for use on Class, B and C Fire Risks. The SAFE PRO powder fire extinguishers are available in 4kg, 6kg and 9kg standard versions. This model is designed to extinguish 'B' and 'C' type fires involving material like Petro Chemical products, Paints, Resins, Pigment, Varnish, Gases in compressed form like Oxygen, Acetylene, LPG, & CNG.

- ISI Marked
- 1 year warranty





· Fully refillable

Controlled discharge

· Supplied with wall bracket



	SPF-6 KG BC	SPF-9 KG BC	SPF- 4 KG BC CT	SPF- 6 KG BC CT	SPF-9 KG BC CT
CYLINDER MATERIAL	M.S.	M.S.	M.S.	M.S.	M.S.
CAPACITY (KG)	6	9	4	6	9
FIRE RATING	89B	233B	55B	89B	144B
EXTINGUISHING MEDIUM	As Per 15 4308	As Per IS 4308	As Per IS 4308	As Per 15 4308	As Per 15 4308
TEMPERATURE RANGE	-30°c to + 60°c				
AVERAGE DISCHARGE TIME (Sec.)	15-20 sec.	20-25 sec.	12-18 Sec.	15-20 sec.	20-25 sec.
AVERAGE DISCHARGE RANGE (Meters)	O4 Mtrs.	05 Mrs.	04 Mtrs.	4.5 Mtrs.	05 Mtrs.
OPERATING PRESSURE	15 BAR				
TEST PRESSURE	35 BAR				
EXPELLANT	NITROGEN	NITROGEN	CO2	CO2	CO <sub>2</sub>
Co2 CARTRIDGE CAPACITY (grams)	_	_	120	120	200











## **CARBON DIOXIDE**



### **FIRE EXTINGUISHER**

Carbon Dioxide fire extinguishers are ideal for use on Class B & Class C Fire Risks. The  $\frac{\text{SAFE PRO}}{\text{SAFE PRO}}$  carbon dioxide fire extinguishers are available in 2kg, 3kg, and 4.5kg standard Version.

- ISI Marked
- 1 year warranty
- · Safe for use on live electrical equipment
- · Fully refillable



MODEL	SPF- 2 KG CO2	SPF- 3 KG CO2	SPF- 4.5 KG CO2
CYLINDER BODIES	PESO APPROVED	PESO APPROVED	PESO APPROVED
CAPACITY (KG)	2	3	4.5
FIRE RATING	21B	34B	55B
EXTINGUISHING MEDIUM	CO <sub>2</sub> Gas IS 15222	CO <sub>2</sub> Gas IS 15222	CO <sub>2</sub> Gas IS 15222
TEMPERATURE RANGE	-30°c to + 60° c	-30°c to + 60°c	-30°c to + 60°c
AVERAGE DISCHARGE TIME (Sec.)	09 Sec	09-11 Sec.	10-12 Sec.
AVERAGE DISCHARGE RANGE (Meters)	02 Mtrs.	O2 Mtrs.	03 Mtrs.
TEST PRESSURE	250 BAR	250 BAR	250 BAR











### **WATER TYPE**



### **FIRE EXTINGUISHER**

Water Type Fire Extinguishers are ideal for extinguishing Class A Fires. The SAFE PRO Water Fire Extinguishers are perfect for use in a range of applications including offices and warehouses and the extinguishment is just pure water making the fire extinguishers extremely environmentally friendly and quick and simple to discharge test.

- ISI Marked
- 1 year warranty
- · High quality corrosion resistant finish
- · Easy to read pressure gauge

· Supplied complete with wall mounting bracket

• Full range of spare parts are available



•		
MODEL	SPF-9 LTR W	SPF-9 LTR W CT
CYLINDER MATERIAL	M.S.	M.S.
CAPACITY (Ltr.)	9	9
FIRE RATING	3A	ЗА
EXTINGUISHING MEDIUM	WATER	WATER
TEMPERATURE RANGE	+5°c to + 60°c	+5°c to + 60°c
AVERAGE DISCHARGE TIME (Sec.)	20-25 Sec.	20-25 Sec.
AVERAGE DISCHARGE RANGE (Meters)	<b>04</b> Mtrs.	04 Mtrs.
OPERATING PRESSURE	15 BAR	15 BAR
TEST PRESSURE	35 BAR	35 BAR
EXPELLANT	NITROGEN	COz
Co2 CARTRIDGE CAPACITY (grams)	-	60











### WATER MIST TYPE



### **FIRE EXTINGUISHER**

Water Type Fire Mist Extinguishers are ideal for extinguishing Class A, Class B & F Type Fires. The Water Mist Extinguishers are perfect for use in a range of applications including offices and warehouses and the extinguishent is just pure water making the fire extinguishers extremely environmentally friendly and quick and simple to discharge test.

The special nozzle being used is capable of generating billions of water droplets from a single liter of water, This results in the creation of an ultra-fine mist that offers superior firefighting abilities. Due to its larger surface area per volume of water, the ultra-fine mist can absorb more heat, making it highly effective in extinguishing fires. Additionally, the small size of the water droplets allows them to penetrate deep into burning materials, thus reaching concealed fires that larger droplets cannot. The use of this special nozzle has the potential to significantly enhance firefighting capabilities, enabling faster fire suppression and reducing water usage compared to conventional firefighting methods, ultimately promoting the safety of firefighters and the public.

- ISI Marked
- 1 year warranty
- · High quality corrosion resistant finish
- · Easy to read pressure gauge
- · Supplied complete with wall mounting bracket
- · Full range of spare parts are available



MODEL	SPF-4LTRWM	SPF-6 LTR W M	SPF- 9 LTR W M	
CYLINDER MATERIAL	M.S.	M.S.	M.S.	
CAPACITY (Ltr.)	4 (Ltr.)	6 (Ltr.)	9 (Ltr.)	
FIRE RATING	2A 89B15F	3A 113B 25F	4A 183B 75F	
EXTINGUISHING MEDIUM	WATER	WATER	WATER	
TEMPERATURE RANGE	+5°c to + 60°c	+5°c to + 60°c	+5°c to + 60°c	
AVERAGE DISCHARGE TIME (Sec.)	15-18 Sec.	18-20 Sec.	20-25 Sec.	
AVERAGE DISCHARGE RANGE (Meters)	04 Mtrs.	04 Mtrs.	04 Mtrs.	
OPERATING PRESSURE	15 BAR	15 BAR	15 BAR	
TEST PRESSURE	35 BAR	35 BAR	35 BAR	
EXPELLANT	NITROGEN	NITROGEN	NITROGEN	











### **FOAM TYPE**



### **FIRE EXTINGUISHER**

Foam Type Fire extinguishers are ideal for use on Class A and Class B Type Fire Risks. The SAFE PRO Foam fire extinguishers are available in 9ltr standard models.

- ISI Marked
- 1 year warranty
- · Squeeze grip operation
- · Fully refillable
- · Supplied with wall bracket
- Full range of spare parts are available



MODEL	SPF-9 LTR MF	SPF-9 LTR MF CT		
CYLINDER MATERIAL	M.S.	M.S.		
CAPACITY (Ltr.)	9	9		
FIRE RATING	4A 144B	4A 144B		
EXTINGUISHING MEDIUM	AFFF FOAM IS 4989	AFFF FOAM IS 4989		
TEMPERATURE RANGE	+5°c to + 60°c	+5°c to + 60°c		
AVERAGE DISCHARGE TIME (Sec.)	18-20 sec.	18-20 Sec.		
AVERAGE DISCHARGE RANGE (Meters)	05 Mtrs.	05 Mtrs.		
OPERATING PRESSURE	15 BAR	15 BAR		
TEST PRESSURE	35 BAR	35 BAR		
EXPELLANT	NITROGEN	CO2		
Co2 CARTRIDGE CAPACITY (grams)	-	60		
rumay				











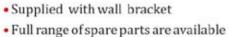
### **CLEAN AGENT TYPE**



### FIRE EXTINGUISHER

Safe to use on all your sensitive equipment, the Clean Agent Type Fire Extinguisher brings you the added benefit of being the world's most advanced, and by far the most eco-friendly extinguisher Clean Agent Extinguishers leave no residue, packed in mega power and are absolutely safe for use on any sensitive equipment.

- ISI Marked
- 1 year warranty
- · Squeeze grip operation
- · Fully refillable
- Controlled discharge





MODEL	SPF-2 KG CA	SPF- 4 KG CA	SPF-6 KG CA
CAPACITY	2KGS	4KGS	6KGS
FIRE RATING	1A:21B	2 A : 34 B	2 A : 55 B
OPERATING TEMPERATURE	-30°c to + 60°c	-30°c to + 60°c	-30°c to + 60°c
AVERAGE JET LENGTH THROW (IN MTRS)	02 Mtr	03 Mtrs.	03 Mtr
AVERAGE DISCHARGE PERCENTAGE	95%	95%	95%
AVERAGE DISCHARGE TIME (Sec.)	8-12 Sec.	15-18 Sec.	15-18 Sec.
CHARGE PRESSURE	15 BAR	15 BAR	15 BAR
TEST PRESSURE	35 BAR	35 BAR	35 BAR
OPERATING VALVES	SQUEEZE GRIP TYPE	SQUEEZE GRIP TYPE	SQUEEZE GRIP TYPE
EXTINGUISHER MEDIA	CLEAN AGENT	CLEAN AGENT	CLEAN AGENT











### **WET CHEMICAL TYPE**



### FIRE EXTINGUISHER

SAFE PRO Kitchen Type Fire Extinguisher offers a distinctive unique feature by reacting chemically with cooking oil or fats (Saponification) & forms a non-combustible layer on surface, thereby provides a very fast flame knock down & complete securement of grease related fires. High reactivity of chemicals, reduces fire intensity of oil-immediately and also it does not produce any hazardous by-products due to fire or reaction with burning oil. Ease of post fire clean up. Totally non-corrosive product.

AVAILABLE IN VARIOUS CAPACITIES AND VARIANTS: STAINLESS STEEL CYLINDERS AND STANDARD MILD STEEL CYLINDERS

- ISI Marked
- 1 year warranty
- · Squeeze grip operation
- · Fully refillable
- · Controlled discharge
- · Supplied with wall bracket
- · Full range of spare parts are available



MODEL	SPF-4 Ltrs. K	SPF-6Ltrs. K	SPF-9Ltrs. K
CYLINDER MATERIAL	S.S	S.S	S.S
CAPACITY (Ltrs.)	4 Ltrs.	6 Ltrs.	9 Ltrs.
FIRE RATING	15F	25F	75F
EXTINGUISHING MEDIUM	WET CHEMICAL	WET CHEMICAL	WET CHEMICAL
AVERAGE DISCHARGE TIME (Sec.)	12-15 Sec.	15-18 Sec.	18-20 Sec.
AVERAGE DISCHARGE RANGE (Meters)	03 Mtrs.	03 Mtrs.	04 Mtrs.
OPERATING PRESSURE	15 BAR	15 BAR	15 BAR
TEST PRESSURE	35 BAR	35 BAR	35 BAR
EXPELLANT	NITROGEN	NITROGEN	NITROGEN













### **AUTOMATIC CEILING MOUNTED**

### MODULAR FIRE EXTINGUISHER

Automatic fire extinguishers are ideal for use in unoccupied rooms or areas and can be used to provide fire safety protection in an enclosed space.

- Available with ABC Powder and Clean Agent gas Extinguishers.
- Supplied complete with temperature activation bulb (68°C) which activates the fire extinguisher when the temperature is reached.
- · Wide range of uses including unattended areas, storage rooms, server rooms, engine compartments.



MODEL	SPF-M02	SPF-M05	SPF-M10	SPF-M15
CAPACITY	2 KG	5 KG	10 KG	15 KG
DESIGN	Ceilling mounted	Ceiling mounted	Ceilling mounted	Ceilling mounted
AVERAGE DISCHARGE	4-5 sec	6-8 sec	10-15 sec	15-20 sec
HANGING HEIGHT ABOVE RISK	1.5 Mtr	1.5 to 2 Mtr	1.75 to 2.25 Mtr	2 to 3 Mtr
AREA PROTECTION	1 to 1.5 m <sup>2</sup>	2 to 2.5 m <sup>2</sup>	4 to 5 m²	5 to 6 m <sup>2</sup>
OLUME PROTECTION	2.5 m <sup>3</sup>	6 m³	10 m³	15 m³
AVERAGE % DISCHARGE	99%	99%	99%	99%
PERATING EMPERATURE	68°C	68°C	68°C	68°C
PRESSURE	15 / 35 BAR			
EXPELLING AGENT	Nitrogen / Clean Agent	Nitrogen / Clean Agent	Nitrogen / Clean Agent	Nitrogen / Clean Agent













# **CARBON DIOXIDE TYPE (CO2)**



### WHEELED FIRE EXTINGUISHER

SAFE PRO fire wheeled extinguishers are available in Co2 versions and offer exceptional value for money as well as the high quality that you would expect from SAFE PRO fire fighting products. SAFE PRO fire wheeled extinguishers are ideal for use in a wide range of commercial and industrial applications.



CAPACITY	6.5 kg	9 kg	22.5 kg
ГҮРЕ	Wheel type CO <sub>2</sub>	Wheel type CO <sub>2</sub>	Wheel type CO <sub>2</sub>
S NO.	IS 16018	IS 16018	IS 16018
TRE RATING	55B	55B	898
OPERATING FEMPERATURE	-30° C TO +55° C	-30° C TO +55° C	-30° C TO +55° C
AVERAGE JET LENGTH THROW (IN MTRS)	04 Mtrs.	04 Mtrs.	04 Mtrs.
AVERAGE DISCHARGE PERCENTAGE	95%	95%	95%
AVERAGE DISCHARGE FIME (SEC)	12-18 Sec.	15-20 Sec.	20-30 Sec.
OPERATING VALVE	Wheel type	Wheel type	Wheel type
TEST PRESSURE	25 Mpa	25 Mpa	25 Mpa
EXTINGUISHER MEDIA	Co2 Gas as per IS 15222	Co2 Gas as per IS 15222	Co2 Gas as per IS 15222
EXPELLANT	CO;	CO2	CO <sub>2</sub>
ENGTH OF HOSE PIPE	2 Mtrs.	2 Mtrs.	2 Mtrs.













### DRY CHEMICAL POWDER ABC TYPE

### WHEELED FIRE EXTINGUISHER

SAFE PRO fire wheeled extinguishers are available in ABC Powder and offer exceptional value for money as well as the high quality that you would expect from SAFE PRO fire fighting products. SAFE PRO fire wheeled extinguishers are ideal for use in a wide range of commercial and industrial applications.



CAPACITY	25 kg Outside Cartridge type	25 kg Inside Cartridge type	50 kg Outside Cartridge type	75 kg Outside Cartridge type
TYPE	Wheeled DCP ABC type	Wheeled DCP ABC type	Wheeled DCP ABC type	Wheeled DCP ABC type
IS NO.	IS 16018	IS 16018	IS 16018	IS 16018
FIRE RATING	20A 233B	20A 233B	20A 233B	20A 233B
OPERATING TEMPERATURE	-30° C TO +55° C	-30° C TO +55° C	-30° C TO +55° C	-30° C TO +55° C
AVERAGE JET LENGTH THROW (IN MTRS)	6 Mtrs.	6 Mtrs.	07 Mtrs.	7.5 Mtrs.
AVERAGE DISCHARGE PERCENTAGE	90%	90%	90%	90%
AVERAGE DISCHARGE TIME (SEC)	40 sec.	40 sec.	45-50 Sec.	45-50 Sec.
CHARGE PRESSURE	1.5Mpa	1.5Mpa	1.5Mpa	1.5Mpa
TEST PRESSURE	3.5 Mpa	3.5 Mpa	3.5 Mpa	3.5 Mpa
EXTINGUISHER MEDIA	Dry powder As per IS 4308	Dry powder As per IS 4308	Dry powder As per IS 4308	Ory powder As per IS 4308
EXPELLANT	CO5	COg	CO2	CO <sub>2</sub>
LENGTH OF HOSE PIP E	2 mtrs.	2 mtrs.	4 mtrs.	4 mtrs.













### DRY CHEMICAL POWDER BC TYPE

### WHEELED FIRE EXTINGUISHER

SAFE PRO fire wheeled extinguishers are available in BC Powder and offer exceptional value for money as well as the high quality that you would expect from SAFE PRO fire fighting products. SAFE PRO fire wheeled extinguishers are ideal for use in a wide range of commercial and industrial applications.



CAPACITY	25 kg Outside Cartridge type	25 kg Inside Cartridge type	50 kg Outside Cartridge type	75 kg Outside Cartridge type
TYPE	Wheeled DCP BC type	Wheeled DCP BC type	Wheeled DCP BC type	Wheeled DCP BC type
IS NO.	IS 16018	IS 16018	IS 16018	IS 16018
FIRE RATING	2338	233B	2338	2338
OPERATING TEMPERATURE	-30° C TO +55° C	-30° CTO +55° C	-30° C TO +55° C	-30° C TO +55° C
AVERAGE JET LENGTH THROW (IN MTRS)	6 Mtrs.	6 Mtrs.	07 Mtrs.	7.5 Mtrs.
AVERAGE DISCHARGE PERCENTAGE	90%	90%	90%	90%
AVERAGE DISCHARGE TIME (SEC)	40 sec.	40 sec.	45-50 sec.	45-50 sec.
CHARGE PRESSURE	1.5 Mpa	1.5 Mpa	1.5 Mpa	1.5 Mpa
TEST PRESSURE	3.5Mpa	3.5 Mpa	3.5 Mpa	3.5 Mpa
EXTINGUISHER MEDIA	Dry powder As per IS 4308	Dry powder As per IS 4308	Dry powder As per IS 4308	Dry powder As per IS 4308
EXPELLANT	CO2	CO <sub>2</sub>	CO <sub>2</sub>	CO <sub>2</sub>
LENGTH OF HOSE PIPE	2 mtrs.	2 mtrs.	4 mtrs.	4 mtrs.













### **FOAM AND WATER TYPE**

### WHEELED FIRE EXTINGUISHER

SAFE PRO fire wheeled extinguishers are available in Foam/Water based versions offer and exceptional value for money as well as the high quality that you would expect from SAFE PRO fire fighting products. SAFE PRO fire wheeled extinguishers are ideal for use in a wide range of commercial and industrial applications



CAPACITY	MECHANICAL FOAM	WATER	
CAFACIII	45 liter	45 liter	
ТҮРЕ	Foam based	Water based	
IS NO.	IS 16018	IS 16018	
FIRE RATING	20A 233B	20A	
OPERATING TEMPERATURE	+5° C TO +55° C	+5° C TO +55° C	
AVERAGE JET LENGTH THROW (IN MTRS)	6 Mtrs.	6 Mtrs.	
AVERAGE DISCHARGE PERCENTAGE	95%	95%	
AVERAGE DISCHARGE TIME (SEC)	40 Sec.	40 Sec.	
OPERATING PRESSURE	1.5Mpa	1.5Mpa	
TEST PRESSURE	3.5 Mpa	3.5 Mpa	
EXTINGUISHER MEDIA	AFFF Foam As per IS 4989	Water	
EXPELLANT	CO <sub>2</sub>	CO <sub>2</sub>	
EXPELLANT CAPACITY	300 gms	300 gms	
LENGTH OF HOSE PIPE	4 mtrs.	4 mtrs.	











### **SAFE PRO**



### TWIN TROLLEY

The system consists of 2 nos of 6.5 Kg Co2 cylinders and 1 nos of 2 Kg Dry Chemical Powder Fire Extinguisher mounted firmly on a trolley duly interconnected using a manifold for unified discharge mechanism, equipped with high pressure reinforced hose and a special applicator hom nozzle for ease of handling. Ideal for flammable liquids, High Electrical hazard, and difficult to reach type of fire such as Transformer stations, Air force stations and to any other to places where it is normally not possible for firemen to reach in case of any such incidents.

### SAFE PRO TWIN TROLLEY Available in 6.5 kg, 9 kg and 22.5 kg Versions.



IS No.	16018
Fire Rating	55B/(89B for 22.5kg)
Operating Temperature	-30 to +55 degree Celsius
Min. Jet Length (in mtrs)	2 Mtrs.
Discharge Percentage Min.	95%
Discharge Time.	more than 15 Seconds
Test Pressure	250 kgf/cm <sup>2</sup>
Operating Valves	Wheel Type
Extinguisher Media	CO2 Gas IS: 15222
Expellants	Self (Co2)
Cylinder	Seamless IS: 7285
Painting	Enamel Paint IS:5













### **MECHANICAL FOAM**



### **MOBILE UNIT**

Mechanical Foam Making Mobile Unit, consisting of 100 /200 litre capacity MS foam tank, one 225 l.p.m, Al. Alloy inline inductor with connection to foam tank, one foam making branch pipe with  $63\,\mathrm{mm}$  male inst. inlet, mounted on a rubber-tyred trolley with a handle & 6" castor wheel & having provision to keep 2 lengths of  $63\,\mathrm{mm}\,\mathrm{x}\,15\,\mathrm{mtr}$ . length.















## **CO<sub>2</sub> CARTRIDGE**

# WITH BRASS NUT



IS NO.			4947		
ТҮРЕ	60 G	90 G	120 G	200 G	300 G
OUTSIDE DIAMETER (MM)	38/48	38/48	38/48	38/48	48/52
VOLUME (ML)	90	135	180	300	450
CO2 FILLED WEIGHT (G)	60	90	120	200	300
WORKING PRESSURE (BAR)			174		
TEST PRESSURE (BAR)			250		
MIN WAL THICKNESS (MM)			3		
EXPELLANT			Co2		
ANTI CORROSIVE TREATMENT		P	HOSPHATING (7 TANKS)		
PAINTING		E	POXY POLYSTER POWDER COATING		













# SAFE PRO

### **SAFE PRO ABC POWDER**

### MONO AMMONIUM PHOSPHATE (MAP 40%, 50%, 90%)

Dry chemical powders are important fire fighting agents: The main advantage-is- practically immediate success of extinguishing a fire. Furthermore one can use dry powders for extinguishing large scale fires, spillage fires and three dimensional fires.

Mono Ammonium Phosphate is one of the important base in use since very long time. It is very popular as it is user-friendly extinguishing medium for Class A, B, & C fires.

Mono Ammonium Phosphate base material is mixed with other ingredients to improve flow characteristics and expelling properties.

Powder is siliconised to impart excellent resistance to climatic changes.

#### APPLICATION

SAFE PRO ABC powder is suitable for use in all types of portable fire extinguishers, mobile extinguishers and fixed installations. Dry propelling agents such as N<sub>2</sub> or CO2 can be used.

SAFE PRO ABC is suitable for A Class, B Class and C Class fire risk:

Class A fires involving wood, paper, tyres, coal, film, textile etc.

Class B fires involving petrol, diesel, kerosene, oil, alcohols etc.

Class C fires involving gases as Methane, Propane, Acetylene etc.

Property	Typical Values
Appearance Apparent Density Water Repellence Moisture Content Flowability Particle Size Distribution	Yellow coloured free flowing powder 0.75 – 1.10 gm/cc < 1.5 % < 0.25 % > 50 gm/sec
Range	( % Retained)
40 Mesh/0.425mm 100 Mesh/0.150mm 200 Mesh/0.075mm 325 Mesh/0.45mm Bottom pan	0 2 - 15 18 - 28 18 -32 25 - 62















### SAFE PRO BC POWDER



Dry chemical powders are essential fire fighting tools because they are dependable, fluid, and simple to use. Dry chemical powders can be created with one base or several bases and a variety of base materials. One of the significant bases that has been around for a very long time is sodium bicarbonate. Due to the fact that it offers an extinguishing medium that is highly reliable, economical, and user-friendly, it is still very popular.

To enhance the flow characteristics and expelling properties, other ingredients are combined with the sodium bicarbonate base material.

In order to add excellent water repellence, powder is siliconized.

For all B and C class fires involving gases and flammable liquids like petrol, diesel, kerosene, oils and alcohols, SAFEPRO BC is the best option.

Property	Typical Values
Appearance	White Coloured free flowing powder
Apparent Density	0.55 - 0.7 gm/cc
Water Repellence	< 1.5 %
Moisture Content	< 0.25 %
Flowability	> 50 gm/sec
Part	ticle Size Distribution
Range	( % Retained)
10 Mesh/0.425mm	0
00 Mesh/0.150mm	0-2
200 Mesh/0.075mm	0-10
325 Mesh/0.45mm	10-35
Bottom pan	35-90

















### **AQUEOUS FILM FORMING FOAM (AFFF)**

### CONCENTRATE

#### DESCRIPTION:

### SAFE PRO AFFF

Aqueous Film Forming Foam concentrate (AFFF), formulated with new generation AFFF fluorinated surfactants which are environmentally safer. SAFEPRO AFFF is formulated with fluorinated surfactant, synthetic surfactant, solvent and blended with preservatives and stabilizers. It produces thin strong film on hydrocarbon fuel surface. The foam spreads rapidly on fuel surface due to positive spreading provided by fluorinated surfactants and the foam blanket excludes oxygen from the fuel surface and provides cooling effect leading to fast flame knockdown and extinguishment. AFFF is intended for use at 1/3/6% solution in fresh, sea/salt or hard water.

### APPLICATION:

SAFEPRO AFFF is suitable for class B fires of hydrocarbons like crude oil, gasoline, diesel, kerosene etc in sectors like refineries tank terminals, process areas, power stations, offshore and onshore installation etc. AFFF can also be used as a wetting agent in combating fires in class A materials such as wood, paper, rubber and tyres.

#### PROPORTIONING AND DISCHARGE DEVICES:

AFFF can be used with all types of foam proportioning and discharge devices such as portable and fixed (in-line) proportioners, branchpipes, balance pressure variable flow proportioners, bladder tanks ratio controllers and around-thepump proportioners, spray fog nozzles, monitors, foam makers, foam chambers, foam pourers, rim seal foam pourers, sprinklers etc.

#### COMPATIBILITY:

SAFEPRO AFFF is compatible with dry powders and other equivalent foams.

#### STORAGE AND SHELF LIFE:

When stored in sealed original containers, the product has a long shelf life of 10 years. The shelf life of foam is also dependent on the storage temperatures and conditions. Recommended storage temperature 0°C to 50°C. The product can withstand intermittent short time exposure up to 55°C. Ensure that the containers are not directly exposed to sunlight and heat. It is unaffected by freeze/thaw cycles.

#### ENVIRONMENTAL INFORMATION:

Being based on fluorinated surfactants, AFFF is environmentally safe, bio-degradable, low toxic to the aquatic organisms. The handling of spills of concentrate or foam solution should however be undertaken according to local regulations. Normally sewage systems can dispose foam solution based on this type of foam concentrate, but local sewage operators should be consulted in this respect. Refer MSDS for additional information.

#### PACKAGING:

The product is available in 3 litre, 20 litre, 200 litre cans.



Parameters	AFFF 1%	AFFF 3%	AFFF 6%
Appearance	Light Brown	Light Brown	Light Brown
Sp. Gravity	1.03 ± 0.01	1.02 ± 0.01	1.01 ± 0.01
pH Value	7.5 ± 1	7.5 ± 1	7.5 ± 1
Viscosity	< 15 cSt <	< 10 cSt	< 5 cSt
Freezing Point	-1°C	-1°C	-1°C

<sup>\*</sup> Also available in Freeze Protected Type











<sup>\*\*</sup> Value depends equipment used and system parameters

# **SAFE PRO**FIRE HYDRANT PRODUCTS











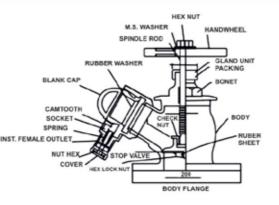


### **OBLIQUE TYPE LANDING VALVE &**



### **DOUBLE OUTLET LANDING VALVE**







#### **OBLIQUE TYPE LANDING VALVE**

TYPE OF MATERIAL	STAINLESS STEEL	GUN METAL	ALUMINIUM
BODY, ASSEMBLY	STAINLESS STEEL IS: 3444	LTB 2 IS: 318	IS 617
VALVE SPINDLE	STAINLESS STEEL IS: 6603	BRASS ROD IS: 319/320	STAINLESS STEEL IS: 6603
CAST IRON WHEEL	IS: 210	IS: 210	IS: 210
RUBBER WASHER	IS: 937 (TYPE-A)	IS: 937 (TYPE-A)	IS: 937 (TYPE-A)
SPRING	STAINLESS STEEL IS: 6528	PHOSPHORUS WIRE IS: 7608	STAINLESS STEEL IS: 6528
GLAND PACKING- ASBESTOS THREAD	IS: 4687 (TYPE-3)	IS: 4687 (TYPE-3)	IS: 4687 (TYPE-3)

Hand Wheel: Gray Cast Iron Halogram: Sticker Stuck on Landing Valve

### (Type"A") ISI Marked

### TECHNICAL SPECIFICATION

Size: 63 mm

Inlet :80 mm NB Flanged Outlet : Female Instantaneous

Comforming Specification: IS: 5290: 1993

### PERFORMANCE TEST

Hydraulic Test: 21 Kgf/cm2 Water Tightness Test: 15 Kgf/cm2 Flow Test: 900 LPM at 7 Kgf/cm2



### DOUBLE OUTLET LANDING VALVE

TYPE OF MATERIAL	STAINLESS STEEL	GUN METAL
BODY, ASSEMBLY	STAINLESS STEEL IS: 3444	LTB 2 IS: 318
VALVE SPINDLE	STAINLESS STEEL IS: 6603	BRASS ROD IS: 319/320
CAST IRON WHEEL	15:210	15:210
RUBBER WASHER	IS: 937 (TYPE-A)	IS: 937 (TYPE-A)
SPRING	STAINLESS STEEL IS: 6528	PHOSPHORUS WIRE IS: 7608
GLAND PACKING- ASBESTOS THREAD	IS: 4687 (TYPE-3)	IS: 4687 (TYPE-3)

Hand Wheel: Gray Cast Iron Halogram: Sticker Stuck on Landing Valve



### (Type"B") ISI Marked

#### TECHNICAL SPECIFICATION

Size: 63 mm

Inlet :100 mm NB Flanged Outlet : Female Instantaneous Material : Gun Metal / Stainless Steel Comforming Specification : IS : 5290 : 1993

#### PERFORMANCE TEST

Hydraulic Test: 21 Kgf/cm2 Water Tightness Test: 14 Kgf/cm2 Flow Test: 1800 LPM at 7 Kgf/cm2















### STAND POST SINGLE AND DOUBLE

### THREADED LANDING VALVE



#### THREADED LANDING VALVE

ITEM DESCRIPTION	SIZES	MATERAIL
63 mm Single outlet BSP Screw Threaded	1 1/2"	Gun Metal
Landing Valve, having 75 mm NB inlet &	2"	Brass
63mm Female Instantaneous outlet.	2 1/2"	S.S / C.I

• Body Test: 22.5 Bar Pressure and 2 Min. Test Duration Seat Test: 16.5 Bar Pressure and 2 Min. Test Duration

#### DOUBLE STAND POST

### Description

- Water Tightness Test for the valve 18 kgf/cm2 (for 2.5 Min)
- Hydrostatic Pressure Test 23 kgf/cm2 (for 2.5 Min)
- Flow Test 900 LPM Min 6.7 kgf/cm2 (for single outlet)





### SIGNLE STAND POST

### Description

- Water Tightness Test for the valve 18 kgf/cm2 (for 2.5 Min)
- Hydrostatic Pressure Test 23 kgf/cm2 (for 2.5 Min)
- Flow Test 900 LPM Min 6.7 kgf/cm2 (for single outlet)













# 2 WAY AND 4 WAY



# **INLET FBC/ BREECHING**

#### 2 WAY INLET FBC BREECHING

Model	2 Way Inlet FBC Breeching
Size	63 mm Dia
Material	Gun Metal / S.S & Cast iron Body
Testina	Hydraulic Test : 21Kgf/cm2







### 4 WAY INLET FBC BREECHING

Model	4 Way Inlet FBC Breeching
Size	63 mm Dia
Material	Gun Metal / S.S & Cast iron Body
Testing	Hydraulic Test : 21Kgf/cm2













# STAND POST TYPE



# **FOAM MONITOR**

DESIGN & CONSTRUCTION	AS PER IS: 8442
MATERIAL	SEAMLESS MILD STEEL TUBES
SIZE OF MONITOR	63 MM
SIZE OF INLET FLANGE	80 MM
DISCHARGE CAPACITY	1750 LPM
HORIZONTAL THROW	50-55 METERS
ROTATION	360*
ELEVATION	58° TO 30°
JOINT	SWIVEL TYPE (GUN-METAL)
ET SPRAY NOZZLE	GUN METAL OR ALUMINIUM
OPERATIVE PRESSURE	7 BAR
LEAKAGE PRESSURE	TO WITHSTAND PRESSURE OF 23 BAR



### Fb10x





	DESCRIPTION Fb10x
SIZE	DIAMETER 63 mm
BODY	Welded from MS/SS Seamless pipe Bends
Range	50 to 60 Meters
Flow	1750 to 4000 LPM
Rotation	360°
Mozzlo	FR- 5X FR- 10X

The fb5x is made of light Aluminium Alloy, easy to handle foam making branch pipe ideal for fire brigade first line Appliances and General industrial use. it will operate from water supply of 2301/min at 5.5 Bar.

#### GENERAL DATA

DES	SCRIPTION Fb5x
Make	SAFEPRO
Model	FB5X
Inlet	1 Nos 63mm Instantaneous Male Inle
Material of Construction	Al. Body
MATERIAL OF	CONSTRUCTION
Body/Flange	Aluminium
Male Adaptor	Aluminium
TESTING AND	QUALITY CONTROL
Dimensional check	As (See drawing Above)
Operating Pressure Test	6.5 Bar
Through Distance	19mtr.
OPERATIONAL	TECHNICAL DATA
Water Required	230L/min
Weight (approx.)	2.5 Kgs. (approx)













# **BRANCH PIPE**



### **INSTANTANEOUS MALE / FEMALE TYPE COUPLING**



#### TECHNICAL SPECIFICATION

Size of Branch Pipe: 63 mm

Size of Nozzles : 6mm, 12 mm, 15 mm, 20 mm and 25mm Material : Gun metal / Stainless / Aluminium Alloy Conforming Specification : IS 903:1993

### PERFORMANCE TEST

Hydraulic Test : Tested at 21 Kgf / cm2 Working Pressure : 7kgf / cm2 Finish : Natural Polished Halogram : Sticker Stuck on Nozzle

TYPE OF MATERIAL	STAINLESS STEEL	GUN METAL	ALUMINIUM
BODY, ASSEMBLY	STAINLESS STEEL IS: 3444	LTB 2 IS: 318	IS 617
RUBBER WASHER	IS: 937 (TYPE-B)	IS: 937 (TYPE-B)	IS: 937 (TYPE-B)



#### TECHNICAL SPECIFICATION

Size: 63 mm

Material : Stainless Steel / Gun Metal / Aluminium Al Conforming Specification : IS 9003 : 1993

#### PERFORMANCE TEST

Hydraulic Test: Tested at 21 Kgf / cm2

Finish: Natural Polished

Hologram: Sticker Stuck on Coupling.

TYPE OF MATERIAL	STAINLESS STEEL	GUN METAL	ALUMINUM
BODY, ASSEMBLY	STAINLESS STEEL	LTB 2	IS
	IS: 3444	IS : 318	617
RUBBER WASHER	IS: 937 (TYPE-A)	IS: 937 (TYPE-A)	IS: 937 (TYPE-A)
SPRING	STAINLESS STEEL	PHOSPHORUS WIRE	STAINLESS STEEL
	IS: 6528	IS: 7608	IS: 6528













# **MEDIUM VELOCITY SPRAY NOZZLE**



### SS AND BRASS

Medium Velocity Water Spray Nozzles are open type (non-automatic) nozzles, designed for directional spray application in fixed fire protection system. Medium velocity water spray nozzle has an external deflector, which discharges water in a directional cone shaped pattern of small droplet size. The water is uniformly distributed over the surface to be protected.

#### TECHNICAL DATA

DESCRIPTION	
Туре	K-22 120° triangle
Size	1/2" BSPT SS Chrome Plating
Material	SS
Finishing	Chrome Finished
Weight	110-115 grams
Hole Size	6mm
Thread	1/2 BSPT / NPT.



The natural finish, chrome plated, and lead coated bronze, as well as stainless steel Type D3 PROTECTOSPRAY Nozzles are UL and C-UL Listed, as well as FM Approved.



#### TECHNICAL DATA

DESCRIPTION	
Туре	K-22 120° triangle
Size	1/2" BSPT Brass Chrome Plating
Material	Brass
Finishing	Chrome Finished
Weight	110-115 grams
Hole Size	6mm
Thread	1/2 BSPT / NPT.













# **FLEXIBLE SPRINKLER HOSE**





Flexible Sprinkler hose with threaded end fittings are for use in commercial suspended ceilings. The flexible hoses are to be installed according to the manufactures directives.

Model	NPT In.	K- Factor	Minimum Bend Radiusin, (MM)	Number of Bends	Rated Working Pressure psi (kPa)	Hose Assembly length ft (M)	Equivalent Length of 1 in Schedule 40 Pipe,ft (M)
SPF	1/2	5.6	6 (152)	1	175 (1205)	3 (0.9)	26.3 (8.0)
SPF	1/2	5.6	6 (152)	3	175 (1205)	4 (1.2)	31.6 (9.6)
SPF	1/2	5.6	6 (152)	4	175 (1205)	5 (1.5)	35.3 (10.7)
SPF	1/2	5.6	6 (152)	4	175 (1205)	6 (1.8)	39.1 (11.9)

















### **UL LISTED AUTOMATIC SPRINKLER**

#### PENDENT TYPE SPRINKLERS

(Quick Response) (Standard Response)









UL Listed
Made Of Bronze
Quick Response
Maximum Working Pressure 175 Psi (12 Bar)

Response Type	Orientation	SIN No.	K Factor	End Connection	Temperature Rating	Approval	Finish
Standard	Pendant	NISRP02/ NIO52	5.6(80)	1/2" NPT or 1/2" PT	68°C/79°C	UL Listed	Chrome Finish
Quick	Pendant	NIQRP02/ NI062	5.6(80)	1/2" NPT or 1/2" PT	68°C/79°C	UL Listed	Chrome Finish

#### UPRIGHT TYPE SPRINKLERS

(Quick Response) (Standard Response)



Certified

#### DESCRIPTION

UL Listed Made Of Bronze Quick Response

Maximum Working Pressure 175 Psi (12 Bar)



Response Type	Orientation	SIN No.	K Factor	End Connection	Temperature Rating	Approval	Finish
Standard	Upright	NISRU02/ NI032	5.6(80)	½" NPT or ½" PT	68°C/79°C	UL listed	Chrome finish
Quick	Upright	NIQRU02/ NIO42	5.6(80)	1/2" NPT or 1/2" PT	68°C/79°C	UL listed	Chrome















# WATER BASED SPRINKLER

### **UL LISTED AUTOMATIC SPRINKLER**

#### SIDE WALL MOUNTED TYPE

(Quick Response) (Standard Response)





#### DESCRIPTION

Certified

UL Listed Made Of Bronze Quick Response Maximum Working Pressure 175 Psi (12 Bar)

Response Type	Orientation	SIN No.	K Factor	End Connection	Temperature Rating	Approval	Finish
Standard	Horizontal Sidewall	NI012	5.6(80)	1/2" NPT or 1/2" PT	68°C/79°C	UL listed	Chrome finish
Quick	Horizontal Sidewall	NI022	5.6(80)	½" NPT or ½" PT	68°C/79°C	UL listed	Chrome finish

#### CONCEALED SPRINKLERS

(Quick Response) (Standard Response)



#### DESCRIPTION

Certified



UL Listed Made Of Bronze Quick Response Maximum Working Pressure 175 Psi (12 Bar)

Response Type	Orientation	SIN No.	K Factor	End Connection	Temperature Rating	Approval	Finish
Standard	Concealed	NI072	5.6(80)	1/2" NPT or 1/2" PT	68°C/79°C	UL listed	Chrome finish
Quick	Concealed	NI082	5.6(80)	1/2" NPT or 1/2" PT	68°C/79°C	UL listed	Chrome finish











# SAFE PRO

# **SWINGING TYPE WALL MOUNTED**

### **HOSE REEL DRUM**

### Conforming Size : Inlet : Type : Swing Outlet : 3/4 accommoda

#### TECHNICAL SPECIFICATION

Conforming to : IS:884/1958 Size : Inlet : 1" Threaded Inlet Connection Type : Swinging 180" Wall Mounting

Outlet: 3/4", 1", 1-1/2" outlet connection for House to

accommodate 30 Mtrs. Hose

#### PERFORMANCE TEST

Hydraulic Test : Tested at 21 Kgf/cm2 Range & Water Flow rate test at 7Kgf / cm2

(A) Discharge: 24 LPM

(B) Range (Jet Lenght) : 6 Mtr (Min) Halogram : Sticker Stuck On Wheel

HUB SIDES & WALL BRACKET	M.S. SHEET OF IS: 513
SWIVEL JOINT	LBT - 2 OF IS : 318
PIPE WITH FITTING	STEEL OF IS: 1239 PART 1
NOZZLE	IS:8090
HOSE REEL TUBING	THERMOPLASTIC HOSE CONFIRMING TO IS: 12585



#### HOSE REEL DRUM AVAILABLE IN MS AND SS BODY

RUBBER HOSE CONFIRMING TO IS: 444



#### **RRL HOSE PIPE**

#### **FEATURES**

Compact, flexible & light weight, abrasion resistant, ability to withstand high operating & back pressure.

Conforming to IS: 636/1988

Application: This RRL Hose used for water delivery purpose in Fire-Fighting & Civil Engineering Applications etc.

Jacket: Circular woven jacket made from a special blend of cotton & synthetic yarn with high abrasion and heat resistance jacket is also treated with suitable rat proofing agent.

Rubber Lining: A rubber inner lining with suitable rubber compound which gives flexibility, durability & better resistance.

Standard Length: 15 Mtrs & 30 Mtrs.



#### RRL HOSE PIPE TYPE A















# **HOSE BOX**



### **DOUBLE DOOR**

#### DOUBLE DOOR HOSE BOX MS



#### Dimension-

750mmX600mmX250mm

Material- Mild Steel (3mm thickness)

Colour- Powder coated in Red PO colour

Door Opening Type -

Central opening glazed door, Necessary Locking Arrangement

Sticker of "Fire Hose Box" on the box.

This hose box consists of double door to keep two hoses of 15meters length and a nozzle.

#### **DOUBLE DOOR HOSE BOX SS**

#### Dimension-

750mm X 600mm X 250mm

Material- Stainless Steel (3mm thickness)

### Door Opening Type -

Central opening glazed door, Necessary Locking Arrangement

Sticker of "Fire Hose Box" on the box.

This hose box consists of double door to keep two hoses of 15meters length and a nozzle.













### FIRE EXTINGUISHER CABINET



### SINGLE DOOR

#### FIRE EXTINGUISHER CABINET(PLASTIC)

- Features:
- · ABS Plastic Injection moulded.
- Dent, Rust & Corrosion resistance.
- · Hinged front with clip fastener and weather seal.
- · Strong plastic construction with window on front.
- · Quick access and securing strap.

#### Description

Single Door Fire Extinguisher Cabinet Size 9KG (670X300X300) Single Door Fire Extinguisher Cabinet Size 6KG (610X300X260)





#### FIRE EXTINGUISHER CABINET(METAL)

### • Features :

Long lasting durability Trouble free operations Superb finish

- <u>Size</u>: All sizes of Boxes / Frames fabricated as per client's specification.
- Material: Mild Steel sheet, stainless steel sheet, Aluminum Sheet & Fiber Glass Box.
- Type: Single door / double door type with locking arrangement, front glass and key
- Features;
  - Single Door Fire extinguisher cabinet full FRP red colour finish.
  - 2. Hold 1 Extinguisher of 6kg 9kg capacity.
  - 3. Surface mounted cabinet.
  - 4. Red Color FRP box
  - 5. Product Single Door Fire Extinguisher cabinet













## **FIRE EXIT DOOR**



### SINGLE DOOR

ITEMS Fire Doors

Door Leaves Constructed from 0.0012m thick skin pass Galvanized Iron sheet

(Conform to IS 277) or from 0.0008m thick skin pass Galvanized

Iron Sheet (Conform to IS 277)

Thickness 0.046m

In-Fill Rockwool/Mineral Wool/Honeycomb Kraft Paper

Door Frames Constructed from 0.0016m thick Skin pass galvanized Iron sheet

(Conform to IS 277) or from 0.0012m thick Skin pass Galvanized Iron sheet

(Conform to IS 277) formed to single or double rebate profile of size

Profile

Dimensions 0.143m X 0.058m (+/-0.03m)

Bending radius 0.0014m

Vision Glass

Material 0.005m thick clear/wired glass Circular or Rectangular





#### SHAPE

 $\textbf{Rectangular Dimensions}: \ 0.2m \ X \ 0.3m$ 

Coating:

The door frames and door shutters are primed with Zinc-Phosphate stoving primer and finished with Polyurethane Aliphatic grade or epoxy paint as required

Powder Coating Material:

Epoxy Polyester/Pure Polyester/Polyurethane

Powder Coating Thickness:

60-65 Microns (Dry film Thickness)

#### ACCESSORIES

Hinges

Material: Stainless Steel Ball Bearing Butt Hinges

Dimension: 0.102m X 0.076m

Thickness: 0.003m

Lock : Mortice Sash Lock with Lever Handles, Mortice Dead Bolt, Mortice Latch, Panic

Devices etc. can be provided as required

Flush Bolts

(Double Doors) Concealed extended lever action flush bolts provided on the top of the door

to the leading stile edge

Door Closers : Doors are made suitable to receive a large variety of door closers















### **WATER CURTAIN**

#### SIREN

#### TECHNICAL DATA

DESCRIPTION	
Range	2 KM
RPM	6000
Motor HP Rating	1 HP
Winding	Copper Winding
Body Material	Aluminum Casting
Fittment	Horizontal
Mounting	Double Mounting
Power Supply	220/230 Volt AC 50H



Water Curtain Nozzles are non-automatic open, outside sprinklers intended for the protection of windows, walls, steel beams, columns, roofs and any other structures against exposure fire and heat penetration. Water Curtain nozzles are generally installed with orifice slot pointing downwards direction.



### WATER CURTAIN TECHNICAL DATA

DESCRIPTION	
Maximum Working Pressure	A170:F185sure 12 Bar (175 PSI
Effective Working Pressure	1,4 - 3.5 Bar (50-150 PSI)
End Contraction	1/2" BSPT
Weight	115 grams
Included Water Spray Angle	120°
Finish	Chrome Plated Brass













# SAFE PRO

### TRIPLE PURPOSE NOZZLE

### STAINLESS STEEL / GUNMETAL

#### DESCRIPTION:

SS/GM 63MM TRIPLE PURPOSE NOZZLE AS PER IS:2871

Reference Standards: IS:2871

Size: 63mm

1. Inlet 63mm Instantaneous Male Inlet 2. Outlet Hollow jet, Spray and Shut Off

#### MATERIAL OF CONSTRUCTION

 Body
 IS: 3444 Gr. I (SS:202) / SS : 304 / GM

 Nozzle
 IS: 3444 Gr. I (SS:202) / SS : 304 / GM

 Diffuser Valve
 IS: 3444 Gr. I (SS:202) / SS : 304 / GM

 Diffuser Nut
 IS: 3444 Gr. I (SS:202) / SS : 304 / GM

### TESTING AND QUALITY CONTROL

**Dimensional Check** 

Documentation

Hydrostatic Pressure Test AS per IS:2871

Performance 21 Kgf/cm2 for 2.5 minutes

Requirements Flow Test: Discharge adjustable from wide angle spray to

narrow angle spray to hollow jet to complete shut off.

Internal inspection report, supplier's certificates, approved

laboratory test certificates.

#### OPERATIONAL / TECHNICAL DATA

Working Pressure 5 to 12 kg / cm2

Discharge Pattern Changeover from wide spray to hollow jet to shut off

(clockwise direction ) and vice - versa

Weight (aaprox.) 2.3 kgs

Finish Nozzle All Parts Chromium plated Marking Permanently marked

Brand : VARUNEY Size : 63mm















# **MULTIPURPOSE COMBINATION**



### **FLOW NOZZLE**



- Solid jet and fog facilities simultaneously or independently
- · Special design gives low back pressure
- Durable, light, hard anodized construction
- · Straight stream to dense fog & flush without shut off
- Ball valve for flow control
- · Anti-slip rubber moulded pistol grip
- NFPA 1964 compliant
- Compressed air foam (CAFS) capability

Product Code No.	Bore (Dia)	Length	Weight (lbs)/kg	Flow Rate	Solid-Jet
N-MP-16	1 1/2 *	9"	5.1/2.3	91	350
N-MP-19	1 1/2 *	9"	5.1/2.3	131	500
N-MP- 25	1 1/2 "	9"	5.1/2.3	226	860

Flow Ra	te Fog	Flow Ra	te + Fog	Inlet Available
79	300	170	650	2 1/2 " Male instantaneous
79	300	210	800	NH (F) Threads NST (F) Threads
79	300	305	1160	BSP (F) Threads











# **NON RETURN VALVE**



#### WAFER TYPE CHECK VALVE



#### TECHNICAL DATA

DESCRIPTION	STANDARDS	
Manufacturing Standard	ANSI B 16.34	
Testing & Inspection Standard	API 598	
Pressure Class	PN 10	
MATERIAL OF CONSTRUCTION		
Body	C.I - IS210 GR.FG200	
Disc / Flapper	M.S - ASTM A 36	
Seal	Nitrile	
Hinge Pin	M.S - ASTM A 36	
SUITABLE APPLICATION		
Water	Yes	
Oil	Yes	

#### HYD.TEST PRESSURE DETAIL

Body	Seat	
225 PSIG	150 PSIG	

### CAST IRON DUAL PLATE WAFER CHECK VALVES

BODY IS 210 Gr FG 200/220
CLOSURE PLATE (DISC) SG IRON/SS 304
HINGE PIN AISI 304/ AISI 316
STOP PIN AISI 304 / AISI 316
SPRING STAINLESS STEEL

SEAT EPDM

MFG STD GENERALLY CONFORMING TO

API 6D / API 594

INSP & TEST STD GENERALLY CONFORMING TO

API 6D / API 598

ENDS WAFER TYPE TO SUIT ANSI B 16.1 (125#)

WAFER TYPE TO SUIT DIN 2532 (PN 10)/

DIN 2533 (PN16)

HYD-TEST PRESSURE BODY: 225 Psig (16 Kg/Cm<sup>2</sup>) FOR 125#

SEAT: 165 Psig (11.5 Kg/cm<sup>2</sup>) FOR 125# BODY: 213 Psig (15 Kg/Cm<sup>2</sup>) FOR PN 10 SEAT: 142 Psig (10 Kg/Cm<sup>2</sup>) FOR PN 10

SIZE RANGE 50 MM TO 600 MM













# **BUTTERFLY VALVE**



# **GATE VALVE**

#### **BUTTERFLY VALVE**



#### TECHNICAL DATA

ITEM DESCRIPTION	MATERAIL
Manufacturing Standard	API 609 / IS 13905
Testing & Inspection Standard	API 598 / IS 13905
Pressure RATING	PN 10

### MATERIAL OF CONSTRUCTION

ITEM DESCRIPTION	MATERAIL
Body	C.I. IS210 GR.FG200
Disc / Flapper	CAST IRON / S.S 304
Seal	Nitrile Rubber
Lever	M.S.

#### SUITABLE APPLICATION

Water	Yes	
Oil	Yes	

#### HYD. TEST PRESSURE DETAILS

Body	Seat
10 KG / CM2	10 KG / CM2

### TECHNICAL DATA

ITEM DESCRIPTION	MATERAIL
Manufacturing Standard	API 600
Testing & Inspection Standard	API 598
Face to Face	ANSI B 16.10
End Connection	Flanged as per ANSI B16.5
Shell Wall Thickness	ANSI B 16.34
Pressure Class	Class 150

#### **HYD. Test Pressure Details**

Body	Seat
425PSIG	300 PSIG
Air Test - Se	at 80 PSIG +/- 10 PSIG

#### SUITABLE APPLICATION

Water	Yes
Oil	Yes

#### GATE VALVE















# **FIRE ALARM PANEL**



#### FIRE ALARM PANEL

Fire Alarm Panel Model - AS - 203: Micro Controller Based 4 Zone Fire Alarm Panel. Compact design good looking Panel.



#### **FEATURES**

#### Technical Specification:

- Fully Confirm IS 2189.
- Zone Wise Fire Fault LED Indication.
- Zone Isolation Facility.
- Mains on, System On, Charger on, visual indications.
- Auto dialer attachable facility
- External s/w for reset, Silence, Lamp test.
- External s/w to test each zone fire, open, short status manually.
- Inbuilt Buzzer.
- 16x2 Line LCD Display.
- Inbuilt Battery Charger & Battery Space.
- Potential Free Contact Facility.

#### TECHNICAL SPECIFICATION:

Power I/P	230 V.AC/ 24 V DC
Power Consumption	30 Watt/200 Watt (Normal/Fire
End Of Line	4 K7
No. Of Zones	2,4
Detection O/P Supply	24 V DC
Hooter O/P Supply	24 V DC
Operating Temperature	0°C to 40°C
Operating Humidity	95% (non-condensing)

#### MECHANICAL SPECIFICATION:

Cabinet Type	MS	
Colour	Off White	
Paint	Powder Coating	
Knock Out	20 mm	
Dimension	350x105x255 mm	
Weight	4.7 kg without battery	













# **FIRE ALARM PANEL**



#### FIRE ALARM PANEL

Fire Alarm Panel Model - AS - 202: Micro Controller Based 2 Zones Conventional Fire Alarm Panel



#### FEATURES:-

- Fully Confirm IS 2189.
- Zone Wise Fire Fault LED Indication.
- Zone Wise Isolation Facility.
- Auto Dialer Attachable Facility.
- Mains on, system on, charger on, visual indications.
- Potential Free Contact Facility.
- External s/w for reset, silence, lamp test
- External s/w to test each zone fire, open, short status manually.
- Inbuilt Buzzer.
- 16x2 line LCD display.
- Inbuilt Battery charger & Battery space.
- Operates on 230 V 50 Hz AC supply.
- Potential free contract facility.

#### TECHNICAL SPECIFICATION:

Power I/P	230V AC/24 VDC
Power Consumption	30 watt/200 watt (Normal/fire)
End Of Line	4K7
No. Of Zones	2
Detection O/P Supply	24 V DC
Hooter O/P Supply	24 V DC
Operating Temperature	0°C to 40°C
Operating Humidity	95% (non-condensing)

#### MECHANICAL SPECIFICATION:

Cabinet Type	MS
Colour	Red
Paint	Powder Coating
Knock Out	20 mm
Dimension	350x105x255 mm
Weight	4.7 kg without battery













## **FIRE ALARM**



### MCP / HOOTER WITH STROBE / ABS HOOTER



#### MCP

#### FEATURES:

- Compatible with all conventional fire control panels
- Alarm test key facilities
- Glass protected by a thin film
- Wall mounted
- LED blinking facility (optional)





#### Iron made key box

- (Only for Single key) with breakable glass & hammerColor:
- Box: Red
- Hammer: Black/Red/Silver
   Box in mm: H140xW90xD25
- Thickness: 1 mm
- Key Hook to Bottom Distance: 115 mm

#### ABS HOOTER

#### FEATURES:

- New attractive look
- Suitable for malls, Restaurant, Banks Etc.
- 100v AC/ 24v
- 85Db
- Abs body
- 115x115x70
- Red colour
- 600gm



### HOOTER WITH STROBE [ABS]

- Hooter with flasher
- Wall mounted type
- Attractive look
- Suitable for Mall, Bank, Restaurant etc.
- Suitable for sound polluted areas

#### MECHANICAL SPECIFICATION:

Cabinet Type	MS
Colour	Red
Paint	Powder Coating
Knock Out	20 mm
Dimension	350x105x255 mm
Weight	4.7 kg without battery













# **CONVENTIONAL OPTICAL**



### SMOKE DETECTOR





- Votage range:16-32 VDC
- Alarm current:10-100mA
- Quiescent: 60uA @ 24VDC
- Operating temperature: OC to +90'C
- Humidity:<95%RH</li>
- Coverage:50 sq. meters
- 2-wire
- Photoelectric sensor
- Product size:10.6x10.6x5.2cm



### AS - 504 CONVENTIONAL HEAT DETECTOR Technical Parameters:

- Votage range:16-32 VDC
- Alarm current:10-100mA
- Quiescent: 40uA @ 24VDC
- Operating temperature: OC to +90'C
- Humidity:<95%RH
- Coverage:50 sq. meters
- 2-wire
- Cancel
- Product size:10.6x10.6x5.2cm



### AS - 505 CONVENTIONAL OPTICAL MULTI - DETECTOR Technical Parameters:

- Votage range:16-32 VDC
- Alarm current:10-100mA
- Quiescent: 60uA @ 24VDC
- Operating temperature: OC to +90'C
- Humidity:<95%RH</li>
- Coverage:50 sq. meters
- 2-wire
- Photoelectric sensor
- Product size:10.6x10.6x5.2cm













# **GAS DETECTOR**



#### GAS DETECTOR

This device is used for early warning in Hotels, Restaurants, Cafeterias of gas leakage. It indicates alarm for quick remedial action. Our system is designed with latest technology micro controller.

#### SPECIFICATIONS:

- Model: Multi Channel Gas Detector with Hooter and Flasher
- Enclosure: Intrinsically Safe & PESO approved
- Range: 1 ppm 2000 ppm
- Detection Level Alarm: 500 ppm (Level-1),
- 1000 ppm (Level-2)
- Response Time: Less than 10 sec
- Output alarm: Colour LED indication
- Mounting Type: Wall Mount
- Operating Temperature: 0-50°C
- Power Supply: 110 / 230VDC ± 20% OR 12V-30VDC
- Power Consumption: Less than 1 watt per channel
- Output: COM / N.O. / N.C.
- Sensor Life: 5 year minimum

#### APPLICATIONS:

- Hotels / Restaurants
- Cafeterias
- Canteens
- Snacks Stalls

#### FEATURES:

- State of the Art Design
- Installed at places of Potential Gas Hazards
- Measuring Gas: LPG / PNG / CNG
- Early Warning of gas leaks with built-in alarm Buzzer
- Compact, Robust, Inexpensive & User Friendly
- Two Alarm level setting (Level 1 & Level 2)
- Highly Sensitive
- 24 X 7 vigilance & timidity
- Available in 1,2, 3,4,5 to 10 channels (expanded as per client requirement in Zones)













# **CABLE**



### DESCRIPTION

These cable are used for fixed installation typically in fire alarm and emergency lighting circuits equipment.

Size: 2cx1.5 SQ MM, 4cx1.5 SQ MM, 6cx1.5 SQ MM

Voltage Grade: 1100V

 $Specification: 1100\ v\ stranded\ (class\ 2)\ bare\ copper\ conductor, xlpe\ insulated, insulated\ cores\ laying\ for\ laid\ up,$  extruded ST2 PVC I/SH, single layer galvanised steel round wire armoured and extruded FR-LSH pvc outer sheathed

fire alarm cable as per IS-7098



















# **SPARE PARTS**



VALVE ASSEMBLY



WALL BRACKET



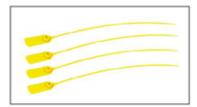
PRESSURE GUAGE



SAFETY LOCK PIN



TAMPER SEAL



SAFETY PIN CAP



CYLINDER PLASTIC BASE



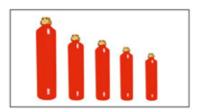
NECK RING



RUBBER O RING



Co2 CARTRIDGE



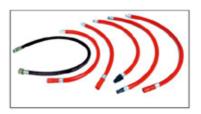
FLOOR STAND



VEHICLE CYLINDER BRACKET



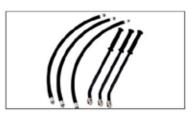
HOSE ASSEMBLY



HOSE WITH HORN



HOSE AND LANCE















# **SPARE PARTS**



THERMOPLASTIC HOSE PIPE



PRESSURE GUAGE



WASHER



LUGS



ADAPTER



CONTROL PANEL



PRESSURE SWITCH



NOZZLE / SHUT OFF VALVE



PVC NOZZLE



CHECK REDUCER



NOZZLE / SHUT OFF VALVE



HYDRANT WEEL













# **SIGNAGE**



#### FEATURES:

#### TECHNICAL DETAILS:

- Twin dome type beam light with clear glass and clear focussing.
- Front touch type switch panel for individual function.
- Fuse blown, mains on, low battery indication.
- LED dot exit display.
- 20w single LED each dome.
- 2-6hrs. battery backup.(OPTIONAL)
- Remote control variant.
- Compact size and attractive shape.
- Automatic light on in case of power failure.
- Automatic shutdown in case of low battery.
- Maintenance free lead acid battery.
- User friendly adjustable dome neck.

Operating voltage 220V/50hz AC ,12V DC Battery 12V/(3.3-7AH) Cabinet MS Weight 7kg. (with battery) Paint powder coating





#### EMERGENCYEXITSIGNS TECHNICALPARAMETERS:

- Aluminum alloy shell
- Protection grade IP20, suitable for indoor
- Continuous schedule
- Working voltage: AC220V t 10%
- AC power: 5W
- Charging time: > 24 hours
- Emergency duration time: more than 3 hours
- Light source: LED
- Battery: Ni-cd 3.6v 500mAh
- Working temperature: -10°C— 55=C
- Working humidity: 10°4-90% RH
- Illuminance: > 17 cd/re
- Charging LED indicator and test button
- Product size: 39.1x20.5x5.5cm













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## **SIGNAGE**

















# **SAFE PRO**

**SAFETY PRODUCTS** 

# **ALL TYPES OF SAFETY PRODUCTS**





























# **SAFETY PRODUCT**



### **HELMETS**



Red Helmet Model - SPF H 01



Yellow Helmet Model - SPF H 02



White Helmet Model - SPF H 03



Green Helmet Model - SPF H 04



Blue Helmet Model - SPF H 05



Green Helmet Model - SPF H 06



Face Shield Model - SPF H 07



Torch Model - SPF H 08



Helmet with Torch Model - SPF H 09



Helmet with Torch Model - SPF H 10



Welding Model - SPF H 11



Welding Model - SPF H 12



Colorful Helmet Model - SPF H 13



Nape Model - SPF H 14



Rachet Model - SPF H 15











# SAFETY BOILER SUIT

## "THE FUTURE OF WORK WEAR IS HERE"

#### Fireman Jacket & Trouser Specification

Multiple layers of Jackets and pants with suspender Certified to EN 469:

Outer Shell: 6.0oz NOMEX III A Fabric.

Moisture Barrier. Aramid/Kevlar non woven laminated with PTFE membrane for maximum breath ability and hydrostatic head (waterproof) performance. (EN 343 protection against foul weather)

#### Thermal Barrier.

Constructed using non-woven ARAMIDE KEVLAR fibres laminated with Nomex / Viscose innermost ling fabric for maximum protection;

Reflective Tape: 2"width yellow-silver-yellow reflective trims installed at arm and legs, front, back and bottom on the jacket and pants to enhance high visibility of workers;

#### Fireman Helmet Specification

Standard: CE En443

Brand: PAB

Performance: Flame-Retardant Shell/Interior Basket/Chin Strap; Puncture Resist; Retractable PC face protector; Neck protection, Reflective And Luminescent stripes. Adjusting head, Possible wearing of the protective mask under visor; Easy to operate and Spare parts available.

Color: Yellow

Weight: Approximately 1400 gms.

#### Fireman Balaclava Specification

Material: 50% Aramid + 48% Viscose +2% Anti Static Blended fabric. Color: Beige

#### Fireman Gloves Specification

Material: Multiple-layer leather glove.

Spec: The upper material is beef hide split with special treatment against high temperature, penetration of water and oils. Another function of this leather treatment is resistance against mechanical risks. The next layer is composition of technical Kevlar® and Nomex® that increases resistance against heat, abrasion and cutting. Knit wristband is made from Kevlar®. The gloves are tested and certified according to EN 659:2004+A1:2008-Protection gloves for firefighters.

#### Fireman Boot Specification

Material: Vulcanized Rubber & Sole Certified to EN ISO 20345 & EN 15090.

Colour: Black+Yellow.

Brand: HARVIK









# **SAFETY PRODUCT**



# **BOILER SUIT**



Boiler Suit Model - SPF B 01



Boiler Suit Model - SPF B 02



Boiler Suit Model - SPF B 03



Boiler Suit Model - SPF B 04



Boiler Suit Model - SPF B 05











# **ALUMINIZED SUIT**

# **SAFETY SUIT**

#### ALUMINIZED CLOSE PROXIMITY SUIT

#### 1. GENERAL

Proximity suit designed to provide the fire-fighter with protection from radiated heat and from injuries arising from impact or abrasion during operational activities. A proximity suit should consist of hood with visor, a sit in jacket and trouser combination boot and gloves. The suit is interwoven with minimum three layers of fabric (inner, middle and outer) highly fire and heat resistant and coated lined externally with layer of aluminized reflector.

Outer Layer is made out of premium quality Imported aluminized glass fibre fabric . 1. Suit consists of coat, pant, gloves, Hood with Fireman helmet fitted inside and shoes. Suitable for  $500^{\circ}$ C radiant heat and 500 to  $600^{\circ}$ C convection heat.

2. Available in 2,3,4 layers with or without BA set provision

#### SUIT

The suits shall be provided into piece, jacket and trouser combination in large and extra large sizes. Material of the suits should provide thermal insulation, must resist radiant heat occasional direct flame contact and be water resistant. The garments should be light weight, provide freedom of movements, be comfortable in extended period of wearing and easy to don without assistance. The fabric used should not be bulky and should be resistant to tearing & abrasion. The reflective medium may be coated or lined to minimize the effects of heat on the wearer.

#### HOOD

- a) Should have adequate protection from impact, be resistant to penetration and electrical conductivity should not be susceptible to deformation due to heat absorption & should have wide range of vision. The hood should not give the wearer a sense of isolation and must permit both speech and the reception of audible signals or words of command. The hood should be capable of used in conjunction with respiratory protection equipment and of incorporating radiotelephone receiver installation.
- b) Hood shall consist of helmet, face shield with complete shoulder flaps.
- c) Chin-strap with a quick release buckle should be provided to the helmet.
- d) Face shield may be coloured or non-coloured, non-splinterable glass. Visible transmittance for non-coloured glass shall not be less than 85% and for coloured glass 45%.
- e) Face shield should be capable of giving full heat protection and should be single piece, preferable gold tinted transparent poly-carbonate type visor.

#### BOOTS

Uppers should be tough, flexible, heat-resistant material and extend to the midcalf or knee level. Soles should be of a non-slip material, which may include synthetic materials, resistant to heat, oil, aircraft fuels or acids, Toe caps and soles may be reinforced with steel. The use of rubber boots in this application is not recommended.

The boots sizes should be 8 & 9

#### GLOVES

These should be of the gauntlet type to provide wrist protection and their construction should permit the wearer to operate switches, fastenings and hand tools. The nature of Fire Fighting operations indicates that the back of the gloves should have a reflective surface to minimize radiated heat effects and that the palm and fingers should be provided in a material resistant to abrasion and penetration by sharp objects. All seams should be resistant to penetration by liquids.











# **SAFETY PRODUCT**



### **APRIN & BLANKET**



Aluminized Suit Model - SPF B 06



Fire Apron Model - SPF A 07



Aluminized Apron Model - SPF A 08



Kevlar Apron Model - SPF A 09



Aluminized Blanket Model - SPF B 10



Fire Blanket Model - SPF B 11



Filter Mask Model - SPF M 12



Silicon Blanket Model - SPF B 13



Ceramic Welding Blanket Model - SPF B 14



Water Gel Blanket Model - SPF B 15











# SAFE PRO

# **SAFETY PRODUCT**

# **ALUMINIZED GLOVES**

Five- Finger design Flexible and comfortable

Reflect High Temperature Heat waves

### Made from Aluminized Glass fabric

- \* Heat Resistant up to 350°C
- \* Chemical and Hot Oil resistant

Reduce the absorption of heat waves by the skin













# **SAFETY PRODUCT**



### **GLOVES**



**Aluminized Hand Gloves** Model - SPF G 01



**Leather Hand Gloves** Model - SPF G 02



**Household Hand Gloves** Model - SPF G 03



**Leather Hand Gloves** Model - SPF G 04



**Industrial Hand Gloves** Model - SPF G 05



**Electrical Hand Gloves** Model - SPF G 06



Model - SPF G 07



Cotton Knitted Hand Gloves Cotton Knitted Hand Gloves Model - SPF G 08



Model - SPF G 09



Model - SPF G 10



Dotted Hand Gloves Nitrile Coated Hand Gloves Foam Coated Hand Gloves Model - SPF G 11



**Nitrile Coated Hand Gloves** Model - SPF G 12



**Cotton Latex Coated Hand Gloves** Model - SPF G 13



**Industrial Hand Gloves** Model - SPF G 14



**Nylon Hand Gloves** Model - SPF G 15



Industrial **Hand Gloves** Model - SPF G 16













# SAFETY REFLECTIVE JACKETS

### REFLECTIVE JACKETS











Heavy Duty Contractor Surveyor's vest with zipper closure and large back "plan" pocket. Built with rugged ANSI 107 Hi-Viz material, reinforced wear points, and long-wearing web reinforcement along outer edges. Mesh upper, front and back, for breath ability and comfort. Pockets in tough woven twill fabric provide durability.

MESH

SIZES AVAILABLE

GREEN ORANGE

M, L, XL

#### FEATURES:

Zipper Closure 2 Glass Bead Reflective Tape [Class 2] Grommets at Neck for Tool Keepers Woven Fabric Bias Tape Mic Tab on Shoulder Heavy Black Webbing Reinforcement

#### **POCKETS: 6**

Upper Chest Flap Pocket Upper Split Pencil Pocket Lower Front Flap Covered Pockets Large Inside Open Pockets

#### MATERIALS:

100% Polyester Mesh 100% Polyester Solid Twill Pockets

#### COLORS:

High-Visibility Green High-Visibility Orange 25 Wash Max

















#### REFLECTIVE JACKETS



Reflective Jacket Tape 1 Inch Model - SPF J 01



Reflective Jacket Tape 2 Inch Model - SPF J 02



Reflective Jacket Tape 1 Inch Model - SPF J 03



Reflective Jacket Tape 2 Inch Model - SPF J 04



Double Tape with zip Tape 2 Inch Model - SPF J 05



Double Gray Tape Tape 2 Inch Model - SPF J 06



Reflective Jacket Tape 2 Inch Model - SPF L07



Tape 2 Inch Model - SPF J 08



3 Way Model - SPF J 09



3 Way Model - SPF J 10



3 Way Model - SPF J 11



Life Jacket Model - SPF J 12



Life Jacket Multi Colour Model - SPF J 13



Life Jacket (for kids) Model - SPF J 14



Life Jacket Model - SPF J 15













# **INDUSTRIAL SAFETY SHOES**

#### ALWAYS ONE STEP AHEAD.....

#### **PRODUCT**

<u>UPPER:</u> High ankle safety shoe made up of synthetic leather stitched with Orange colour bonded thread

LINING: High sweat absorbing Orange colour lining with foam for comfort

**EYELETS:** SS D-Rings on both faces

SOLE: Injection moulded PVC. Slip, Oil & Acid resistant

TOE: Broad Steel toe cap

INSOLE: Anti fungal, Anti bacterial, Anti-odour

**COLOUR:** Black & Orange

SIZES: 5 to 11















# **INDUSTRIAL SAFETY SHOES**



Safety Shoes Model - SPF S 01



Safety Shoes Model - SPF S 02



Safety Shoes Model - SPF S 03



Safety Shoes Model - SPF S 04



Safety Shoes Model - SPF S 05



Safety Shoes Model - SPF S 06



Safety Shoes Model - SPF S 07



Safety Shoes Model - SPF S 08



Safety Shoes Model - SPF S 09



Safety Shoes Model - SPF S 10



Safety Shoes Model - SPF S 11



Safety Shoes Model - SPF S 12



Aluminized Shoes Model - SPF S 13



Safety Shoes Model - SPF S 14



Safety Shoes Model - SPF S 15



Safety Shoes Model - SPF S 16













# **OUTDOOR EMERGENCY SURVIVAL MEDICAL KIT**

#### FIRST AID KIT

#### PRODUCT DETAILS

The Safe Pro HDPE Red First Aid Kit is a great choice for those who want a reliable and affordable first aid kit. This kit comes with everything you need to treat minor injuries and wounds, including bandages, antiseptic wipes, and more. The Safe Pro first aid kit & wound care which is made of high quality HDPE material is 26.5x21.3x8.9 cm in dimensions and is available in orange, red colour. This product is priced very affordable and has a long life.

#### KEY FEATURES

1. Portable, Mountable & Water Resistant.

2. Come with Clear & Self-Explanatory Instructions.

3. In-Built Mounting Holes Provided Within the Handle of the Kit.

#### PRODUCT SPECIFICATIONS

Brand : Safe Pro Colour : Red

Dimensions : 26.5x21.3x8.9 cm

Finish : Matte Material : HDPE Mounting : Wall

#### PACKAGE CONTENTS

1 First Aid Guide Book- 54 Pages, 1 Scissors, 1 Snake Bite Lancet, 5 Wound Cleaning Antiseptic Wipes, 5 Tincture-Povidone Wipes, 1 Adhesive Plaster- Small, 1 Small Sterilized Dressing, 1 Medium Sterilized Dressing, 1 Large Sterilized Burn Dressing, 1 Sterilized Eye Pad in Sealed Packet(Dressing) with Elastic Dressing Roll, 1 Eye Wash Pods, 1 Tourniquet, 5 Safety Pins, 2 Roller Bandage-Medium 5 cm Widex2 m, 2 Roller Bandage-Large 10 cm Widex2 m, 1 Triangular Bandage, 1 Burn Ointment, 1 CPR Mask, 1 Instant Cold Pack, 10 Adhesive Bandages, 1 Burn/Rescue Blanket, 2 Disposable Gloves (1 Nos), 1 Muscle Relaxant Ointment, 1 Gauze Pad-5 cm, 1 Gauze Pad-7.5 cm, 1 Burn Gel 3.5 g, 1 Antiseptic Cream Cetrimide 5 g, 1 Fast Aid Guide, 1 Content List Sticker & 1 Potassium Permanganate Crystals

Standard : ANSIType III / ANSI ANSI/OSHA Z308 & 1-2015

Country of origin : India Manufacturer : SAFE PRO







#### FIRST AID







1 Person

**5 Persons** 

10 Persons



15 Persons



25 Persons



50 Persons



75 Persons















# **TRAFFIC ZONE**

# TRAFFIC ZONE

A Complete Range of Traffic -Road Safety















# TRAFFIC ZONE







Cassetes (Red, Blue, Black) 2.50 mtr.

**Caution Tape** 

Single Layer Wind Sock **Double Layer** 







Heavy Fold/Expandable

Foldable/Expandable Barrier (Red) (2300L x 1000H) Barrier (Red) (2500L x 940H)

Warning Bollards Size - 800mm, 1100mm



Cone Top **Belt Manager** 



Searching Light



Chain (Plastic Chain)



Cone Top **Belt Manager** 











**Covex Mirror** 18 inch/24 inch/32 inch/40 inch/48 inch

**Dome Mirror** 

Life Buoy Ring (IRS Approved)













# TRAFFIC ZONE





**Powder Coated Q Manager** 

SS Q Manager

Safety Cones







Rubber / Plastic Speed Breaker

**Corner Guard** 

**Reflective Tape** 



Solar Blinkers

**Plastic Floor Stand** 

**Baton Light** 











Solar Road Stud MS

Road Stud PVC Without Solar

Rechargeable Baton Light

Triangle















# TRAFFIC ZONE









Water Fillable Barrier

**Barrier** 

Delineator

**Traffic Cone** Sign Plate







Sign Plate Size - W 250 x H200







Q Sign Plate



Warning Bollards (800mm)





SS Classic Q Manager Size (H) 1000/300 Dia Color-Red/Blue Weight-8 kg. Aprox.

Megaphone

Ear Muff

**Ear Plug** 













# **SELF-CONTAINED BREATHING APPARATUS**

(SCBA)

#### DESCRIPTION

Self-contained breathing apparatus (SCBA) are used to protect users against oxygen deficiency, dust, gases and vapours at plants, aboard vessels, at fire and in tunnels.

Self Contained Breathing Apparatus set with wide view panoramic Facepiece, with rugged easy flow demand valve connected to a Low-pressure hose. Reducer with safety release valve connected to the high-pressure hose with gauge and warning whistle. Complete assembly mounted on anti-corrosive FRP back plate. Cushion padded 2000 kg resistant nylon harness attached to the ergonomic black plate. Designed to connect various on 9 and 6 liters cylinders with international and national valves. The complete set is packed in the smart carrying case with instruction manual.

#### **SCBA**













# **CYLINDERS FOR INDUSTRIAL USES**

O<sub>2</sub>, CO<sub>2</sub>, N<sub>2</sub>, H<sub>2</sub>, N<sub>2</sub>O, Ar



 $\frac{\text{Ar O2}}{\text{CO2}} \text{Ar } \frac{\text{H}_2}{\text{N}_{20}} \frac{\text{Kr}}{\text{H}_e} \frac{\text{H}_2}{\text{O}_{2}^{\text{CH}_4}} \frac{\text{H}_2}{\text{H}_e} \frac{\text{CH}_4}{\text{N}_{20}} \frac{\text{CH}_4}{\text{N}_2} \frac{\text{Kr}}{\text{N}_e} \frac{\text{Xe}}{\text{CO}_2}$ 



FOR INDUSTRIAL GASES













# **CYLINDERS FOR MEDICAL GASES**

# **MEDICAL OXYGEN**

SAFE PRO can supply the MO2 cylinders with bull nose or pin index valves. The external surface of these cylinders are coated with good-quality enamel/epoxy paint to meet Indian standards or to cater to specific customer requirements

Gases like oxygen and nitrous oxide are extensively used in the healthcare industry for patients who need help in breathing, for administering anesthesia during operations etc. So cylinders not only need to be safe, they have to be free of contamination as well.



Filling Ratio	Test Pressure	Water Capacity	Gas KG	Capacity LTR	Outside DIA'D' (mm)	Length(L) Approx. (mm)
0.667	250 kgf/cm <sup>2</sup>	5	3.3	1851	140	465
		10	6.7	9702	140	845
		40	27	14992	232	1215
		46.7	31	17288	232	1370













# **CNG STEEL CYLINDERS**

#### COMPRESSED NATURAL GAS

Compressed Natural Gas (CNG) (methane stored at high pressure) is a fuel which can be used in place of gasoline, diesel fuel and propane/LPG in vehicles. CNG combustion produces fewer undesirable gases than the fuels mentioned above. World over authorities is promoting its use because it helps reduce pollution on overcrowded city streets. Since compressed gas cylinders can have an explosive effect during traffic collisions, they have to conform to the highest standards of safety.

SAFE PRO supplies a wide range of CNG cylinders that are designed and DEM manufactured to comply with the highest national and international standards. We supply high-quality seamless steel CNG cylinders for almost all kinds of vehicles, like three-wheelers, cars, buses, and delivery vehicles.

CNG cylinders are strong and lightweight and undergo stringent cyclic testing to assess fatigue strength, usage life and to ensure safety and reliability under extreme climate conditions. We supply the cylinders with or without valves, and with neck threads according to customer specifications. All cylinders are epoxy-coated on the outside to offer protection against rough handling.

Water Capacity(LTR)	Dia (mm)	Working Pressure(Bar)	Application
60 ltr	267	200	Trucks & Buses
60 ltr	356	200	Car
60 ltr	316	200	Car
65 ltr	356	200	Car
65 ltr	316	200	Car













# SAFE PRO FIRE PRE-ENGINEERED N FIXED FIRE SUPPRESSION SYSTEM



- CO2 BASED IHP SYSTEM
  - CO2 BASED DHP SYSTEM
- CO2 FLOODING SYSTEM
- CLEAN AGENT BASED SYSTEM
  - WET CHEMICAL BASED SYSTEM
- SAFE PRO 1230 / FK 5-1-12 SYSTEM
- SAFE PRO HFC 227ea SYSTEM















# FIRE DETECTION & SUPPRESSION SYSTEM

# CO<sub>2</sub> BASED SYSTEM

#### IHP (INDIRECT HIGH PRESSURE)

IHP system, uses the detection tube as a fire detection & system activation device not as a discharge tube. Once the tube senses the fire it then ruptures resulting in dropping of pressure causing the Indirect Valve to activate, this diverts flow from the detection tube to the larger outlet port. CO2 agent is then discharged from the cylinder through the diffuser nozzles, flooding the area and effectively suppressing the fire quickly and thoroughly.

#### **IHP SYSTEM & SPARES**

- CO2 Cylinder available In Capacity Of
   4.5 Kg, 6.5 Kg, 9 Kg & 22.5 Kg (PESO)(ISI)
- Flexible Discharge Hose
- Indirect High Pressure Valve(PESO)
- UL Listed Tube With Burst Temp 88°c (UL)
- End of Line Adaptor With Pressure Gauge
- Brass Nozzle
- Pressure Switch
- Manual Release
- SS Ferrule Fittings(Tee, Elbow, Straight Connector etc)

#### IHP SYSTEM APPLICATION

- Electrical Panel
- Process Control Unit
- Fume Hood
- Process Moulding Machine Etc















#### FIRE DETECTION & SUPPRESSION SYSTEM

# CO<sub>2</sub> BASED SYSTEM

#### DHP (DIRECT HIGH PRESSURE)

#### DHP (DIRECT HIGH PRESSURE)

DHP CO2 Fire Suppression System is a reliable, 24x7 automatic fire detection & protection system for machines, equipments, panel and other equipment. Fast detection & Suppression of fire within seconds, reduces equipment damage and down time it utilizes multiple detection points by UL recognized linear pneumatic heat detection tube detect fire throughout its installed length. Intrinsically safe for electric charged area. No external power required to activate the system. No false Alarm or discharges as the system only activates in event of the actual Fire/heat impingement.

#### **DHP SYSTEM & SPARES**

- CO2 Cylinder available In Capacity of
   3 Kg, 4.5 Kg, 6.5 Kg & 9 Kg (PESO) (ISI)
- Direct High Pressure Valve (PESO)
- Ul Listed Tube With Burst Temp 88°c (UL)
- End Of Line Adaptor With Pressure Gauge
- Pressure Switch

#### DHP SYSTEM APPLICATION

- Electrical Panel
- Process Control Unit
- Enclosed Automated Milling Machine etc















# FIRE DETECTION & SUPPRESSION SYSTEM

# **CLEAN AGENT BASED SYSTEM**

#### DIRECT LOW PRESSURE (DLP) FIRE SUPPRESSION SYSTEM

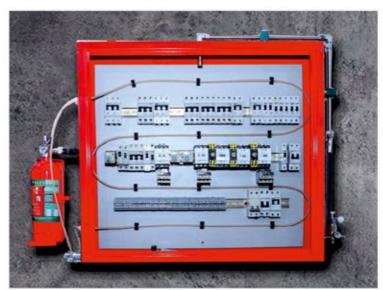
DLP System: The fire detection tube acts as the delivery system for the suppression agent which discharges and directly releases the agent onto a fire via the burst hole which acts as a nozzle in the fire detection tube. Act as a heat-sensing and agent discharge tube.

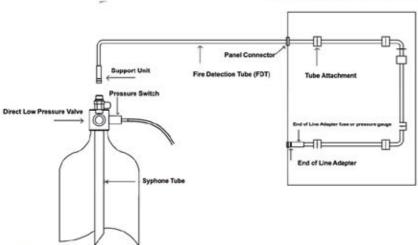
#### **DLP SYSTEM & SPARES**

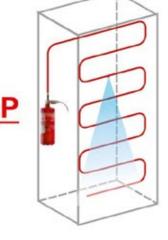
- MS Cylinder Available in Capacity of 2kg, 4kg, 6Kg, 9kg (ISI)
- Direct Low Pressure Valve
- End Of Line Adaptor With Pressure Gauge
- UL Listed Tube With Burst Temp 138°c (UL)
- Non UL Tube
- Clean Agent Safe Pro 1230 (FK-5-1-12) (UL Listed), HFC 227ea (UL Listed)
- Pressure Switch & Accessories

#### DLP SYSTEM APPLICATION

- Electric Panels
- Server Racks
- Tool Machinery



















# **GAS BASED FIRE SUPPRESSION SYSTEM**

# CO<sub>2</sub> BASED SYSTEM

CO2 is a colourless gas with a density about 60% higher than that of dry air, considered as best extinguishing gas. It suppresses oxygen by eliminating heat, CO2 is most effective as a fire extinguishing agent. NFPA- 12 Rules and BIS 6382 Codes for design of such system are used as standard for CO2 Extinguishing or flooding system. CO2 gas generally stored in high pressure seamless steel cylinders is in liquid form with maximum filling ratio of 0.667 Kg/Ltr of cylinder volume. According to the fire hazard CO2 cylinder quantity varies. On large hazards where several cylinders are required a manifold is used to connect each other by means of flexible hose and check valve. The cylinder's master valve is electronically operated and the slave valve is pressure actuated. The master valve can be automatically or manually operated. Flow rate of CO2 is controlled.

#### CO2 FLOODING SYSTEM & SPARES

- CO2 Cylinder Available in Capacity Of 22.5 Kg (34 Ltr), 45 Kg (68 Ltr) (PESO) (ISI)
- VTI Valve (TC)
- Master Tee
- Flexible Discharge Hose
- Interconnecting Hose
- Actuation Hose
- Aluminium Spinning Horn Brass Cp Nozzle
- Pressure Relief Valve
- Non Return Valve (Check Valve)
- Solenoid 24 VDC
- Flameproof Discharge Pressure Switch (CIMFR)
- Flameproof Solenoid Rotex (PESO)
- Mechanical Weight Loss Device
- Led Type Weight Monitoring Device Along With Panel
- Dial Type Weighing Scale
- Load Cell Type Weighing Scale

#### CO2 FLOODING SYSTEM APPLICATION

- LT Panels
- Control Room (Power Plant)
- Transformers & Sub Stations
- Rolling Mills & Turbines
- Cement Industries















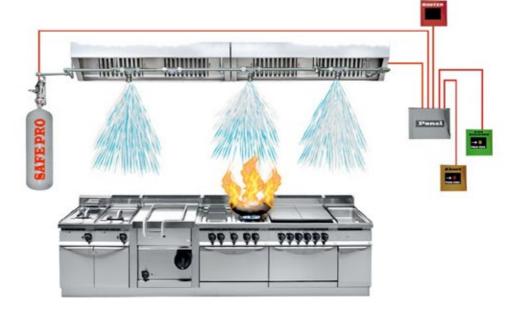
# **GAS BASED FIRE SUPPRESSION SYSTEM**

# **KITCHEN - WET CHEMICAL BASED SYSTEM**

Kitchen fires are some of the fiercest and most difficult fire to fight and diminish. Fire hazard risk is very dangerous in commercial kitchen. Kitchen fire is generally due to burning of oil. In any kitchen there are inflammables like LPG on the premises, this aggravates the danger considerably. Kitchen; be it of a small cafe or a large industrial kitchen. SAFE PRO kitchen fire suppression system is equipped & ready to protect commercial & residential kitchens. Our fire extinguishers are wet chemical based and are specially designed to fight cooking oil fire arising in the kitchen with no flooding related collateral damage.

#### KITCHEN SYSTEM APPLICATION

- Commercial Kitchen
- Cafeterias
- Restaurant
- Home Kitchen



#### KITCHEN SYSTEM & SPARES

- SS Cylinders Available In Capacity Of 6kg, 9kg, 12kg, 15kg, 18kg, & 21kg
- Indirect Low Pressure Valve With Solenoid (24 VDC)
- SS Nozzle
- LHS Cable UL Listed (Operate At 138°c)
- Seamless SS Tube
- SS Ferrule Fittings & Accessories (Tee, Elbow, Straight Connector etc)











# SAFE PRO

# FIRE SUPPRESSION SYSTEM

(SAFEPRO - 1230 / FK- 5-1-12 AND HFC 227ea)

SAFEPRO-1230 'UL' Listed fire protection fluid is based on a proprietary chemistry called C6-fluoroketone; it is also known as FK-5-1-12 the way it is designated in NFPA 2001 and ISO 14520 clean agent standards. Although it is a liquid at room temperature & it gasifies immediately after being discharged in a total flooding system.

#### FK-5-1-12 & HFC 227ea SYSTEM SPARES

- HFC 227ea Cylinder Available in Capacity Of 34 Ltr, 80 Ltr, & 120 Ltr (PESO)
- Fk-5-1-12 Cylinder Available in Capacity Of 34 Ltr, 80 Ltr, & 120 Ltr (PESO)
- Clean Agent Safe Pro 1230 (Liquid), HFC 227ea (Gas) (UL)
- Suppression Valve With Pressure Gauge
- Electrical Cum Manual Actuator
- Discharge Hose
- Actuation Hose
- Manifold Check Valve
- Pressure Switch

# FK-5-1-12/ HFC 227ea SYSTEM APPLICATION

- Computer Room
- Server Room
- Electric Room
- Electrical Panel
- Network Room
- Data Room



**SAFEPRO 1230** is an odourless, colourless, liquefied compressed gas. It is stored as a liquid and dispensed into the hazard as a colourless, electrically nonconductive vapour that is clear and does not obscure vision. It leaves no residue and has acceptable toxicity for use at the design concentration and in occupied spaces **SAFEPRO 1230** is 'UL' Listed extinguishes a fire by a combination of chemical and physical mechanisms.















# **SAFE PRO 1230**

# **CLEAN AGENT GAS**

#### BASIC INFORMATION

Trade Name: SAFE PRO 1230

CAS No:756-13-8

Structural Formula

Chemical code: FK-5-1-12

#### PHYSICAL PROPERTIES

Molecular Formula	C 6F 12O	Solubity of water in Safe Pro 1230 @25° C	<0.001 wt%
Molecular Mass	316.045	Specific heat, liquid@25°C	1.013 kJ/kg°C
Boiling point at 1 atm	49.2°C	Liquid Density@25°C	1.60 g/ml
Freezing Point	-108.0 °C	Vapor Pressure@25°C	0.404 bar
Critical Temperature	168.7 °C	Insulating Property(110k)	3.8 m A (Standard Leakage Current < 10mA)
Critical Pressure	18.65 bar	Dielectric Strength(kV)	74.6 kV Test distance 3mm)
Critical Density	639.1 kg/m <sup>3</sup>	ODP	0
Heat of vaporization at boiling point	88.0 kJ/kg	GWP	1.0
Liquid Viscosity@25 C	0.524 cp	ATL	0.014



#### PHYSICAL PROPERTIES

Inspection Item	Qualified Product	Superior Product
Purity, %,	≥ 99.70	≥ 99.90
Acidity (as HCI), %,	3 X 10	3 X 10
Water Content, %,	≤10 X 10	5 X 10
Non-volatile Residue. %	≤ 0.01	≤ 0.01











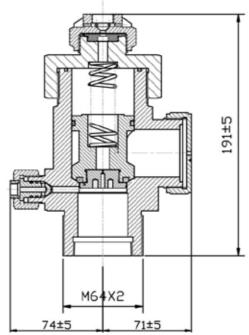


# FIRE SUPPRESSION VALVE

# **ELECTRIC CUM MANUAL ACTUATOR**

# $FK-5-1-12\ /\ FM\ 200\ /\ SAFEPRO\ 1230\ Clean\ Agent\ Valve\ based\ fire\ Suppression\ System.$ (Available in 2 Variants)





Material of Construction : Brass

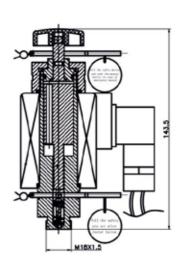
Working Pressure : 25 - 42 Bar (upto)

Discharge Hose Connection : M48/M52 Safety Disc Burst Pressure : 60 Bar

Provision for both : Electric cum Manual Actuator and Pneumatic Manual Actuator

#### **Electric Cum Manual Actuator**















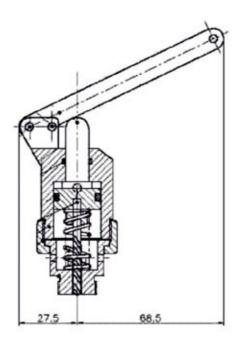
# **MANUAL ACTUATOR**



# **HOSES & ACCESSORIES**

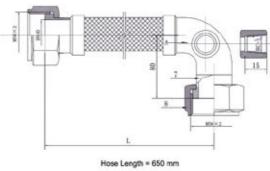
#### **Manual Actuator**





#### Discharge Hose (DN 40/DN 32)





#### **Inter Connecting Hose**



#### **Pressure Guage**



#### **Product Application**

- Libraries
- · Book stores
- · Electronic data processing
- · Telephone exchanges
- · Communication centres
- · Transformer and switch room
- · Control rooms
- · Test laboratories
- · Flammable liquid storage















# **COMPONENTS FOR PRE-ENGINEERED**

# FIXED GAS BASED FIRE SUPPRESSION SYSTEM



24 Vdc Patcon Solenoid



VTI Master Valve with Solenoid (For CO2)



Flame Proof Pressure Switch (For CO2)



DLP Valve (For Clean Agent)



VTI Valve (K85-50) (For CO<sub>2</sub>)



ILP Valve with Solenoid (For Kitchen)













# **COMPONENTS FOR PRE-ENGINEERED**

# FIXED GAS BASED FIRE SUPPRESSION SYSTEM



24 VDC Solenoid (Rotex Make) for CO2 Suppression System



Analogue LED Weight Loss Device with Control Panel (For CO2)



UL-Listed Heat Detection Tube (Nichibou/Japan)



UL-Listed Heat Detection Tube (Amext/USA)



**Pressure Switch** 



FM 200 Brass Nozzle













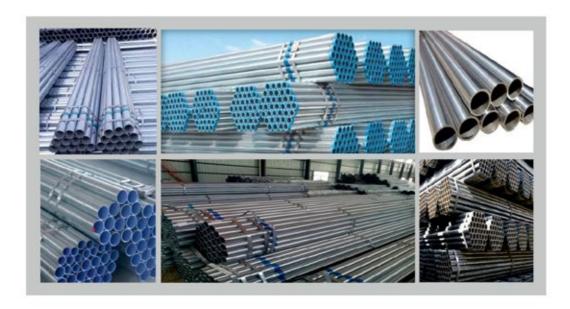
# SAFE PRO

# HYDRANT SYSTEM

# **GALVANIZED PIPE FOR FIRE FIGHTING APPLICATION**

#### **GALVANIZED PIPE**

Galvanized steel pipe is the carbon steel pipe that are coated with a protective layer of zinc. The zinc layer served as a sacrificial layer, it will get rust before the carbon steel under neath it. Galvanized steel pipe include Two types: hot dipped galvanized steel pipe and cold galvanized steel pipe. Galvanized coating is designed to prevent corrosion and rust. It is also manufactured to keep other minerals, such as calcium, from building up on the pipes or bollards. It can last for years depending on the quality of the coating and the application.



Technical Data Specification					
NB	SERIES	OUTSIDE DIA. (mm)	WALL THICKNESS. (mm)	APPROVAL	
25	Heavy	33.3	4.0	ISI	
32	Heavy	42.0	4.0	ISI	
40	Heavy	47.9	4.0	ISI	
50	Heavy	59.7	4.5	ISI	
65	Heavy	75.3	4.5	ISI	
80	Heavy	88.0	4.8	ISI	
100	Heavy	113.1	5.4	ISI	
125	Heavy	138.5	5.4	ISI	
150	Heavy	163.9	5.4	ISI	











# **DRY POWDER**



#### **FILLING MACHINE**

#### DESCRIPTION

Dry Powder Filling Machine is compatible to fill portable and trolley type fire extinguishers. By adopting vacuum fluidon-ics, filling machine sucks dry powder into the powder holder quickly and fill it in the container. This machine is compact, movable, easy to operate and pollution free. It can recycle dry powder in the fire extinguisher directly, thus reducing labour intensity and improving working environment. This machine is particularly applicable to the filling of dry powder fire extinguisher, and is also applicable to the filling of various powder products.

Filling machines have different applications and come in different types, sizes and forms. They all have one thing in common: They automate the filling operation which otherwise could be very time- and labor-consuming. They can streamline the process in a way that humans just can't compete with, helping you make the most of your production process.

#### DRY POWDER FILLING MACHINE













# **FIRE PUMP**



#### DESCRIPTION

Fire pump is an essential lifeguard for all high buildings, apartments, hotels, hospitals, schools, shopping malls, supermarkets, warehouses, etc.

Fire pumps include end suction, horizontal split case and vertical turbine pump models canbe manufactured in skid mounted units. And the fire pump system can be used in fire hose system, fire alarm system, fire hydrantsystem and fire sprinkler sytem. The automatic air relief valve, gate valves, check valves, flexible joint, pressure switches, and pressure gauge are mounted on their respective pipes. If required, additional piping, pressure tank, valves and sensing lines are available as well.

#### **FIRE PUMP**













# **SAFE PRO**



# PACKED DRINKING WATER

SAFE PRO has always believed in its promise of providing safe, pure & healthy packed drinking water to consumers. Every drop is safe, pure and hygienic to the core mixed with added minerals and meets the quality guidelines. SAFE PRO WATER is available in 200 ml, 500 ml, 1L and 20L sizes.

AVAILABLE SIZE :-					
1 LTR	20 LTR	200 ML	500 ML		







200 ML

















# **SAFE PRO**

#### **CORPORATE OFFICE:**



Tower 1, Kohinoor Commercial City, Kurla West, Mumbai - 400 070

#### **MARKETING & SALES:**



Tower 1, Kohinoor Commercial City, Kurla West, Mumbai - 400 070

#### SAFE PRO FIRE MALL:



16-B, Kurla Industrial Estate, Ghatkopar West, Mumbai, Maharashtra- 400 086

#### MANUFACTURING UNIT:



Safe Pro House: Village Pogaon, Taluka Bhiwandi, District, Thane - 7421 302

#### INDUSTRIAL GAS FILLING PLANT:



Plot No. K-24, Vishnu Nagar, Digha M.I.D.C TTC Indl. Area, Navi Mumabi- 400 708.



# SAFE PRO UNITS

# SAFETYOLE

# **Manufacturing Units:**

Safe Pro House: G- Type Building Gala Nos. G1 to G4, G7 to G12, on Plot bearing CTS7-Survey No. 19 to 23, 81/2, 82/3, 83/1, 103 & 107 in Village Pogaon, Taluka Bhiwandi, District Thane - 421 302



# **Registered Office:**

16-B, Kurla Industrial Estate, N.S.S. Road, Ghatkopar West, Mumbai Maharastra - 400 086



# **Safe Pro Life Foundation**

Shop No . 35, Ground Floor, 6 Wing, Building No. 3, Exotica, Kirol Road, Vidyavihar East, Kurla West Mumbai - 400 070



# SAFE PRO LIFE FOUNDATION

DONATION NEEDED GIVE A LITTLE, HELPA LOT (FOR DONATION SCAN BAR CODE) lifefoundationsafepro@gmail.com



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**MAKE IN INDIA** 

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