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सर्वे भवन्तु सुखिनः सर्वे सन्तु निरामयाः ।
सर्वे भद्राणि पश्यन्तु मा कश्चिद् दुःखभाग् भवेत् ॥
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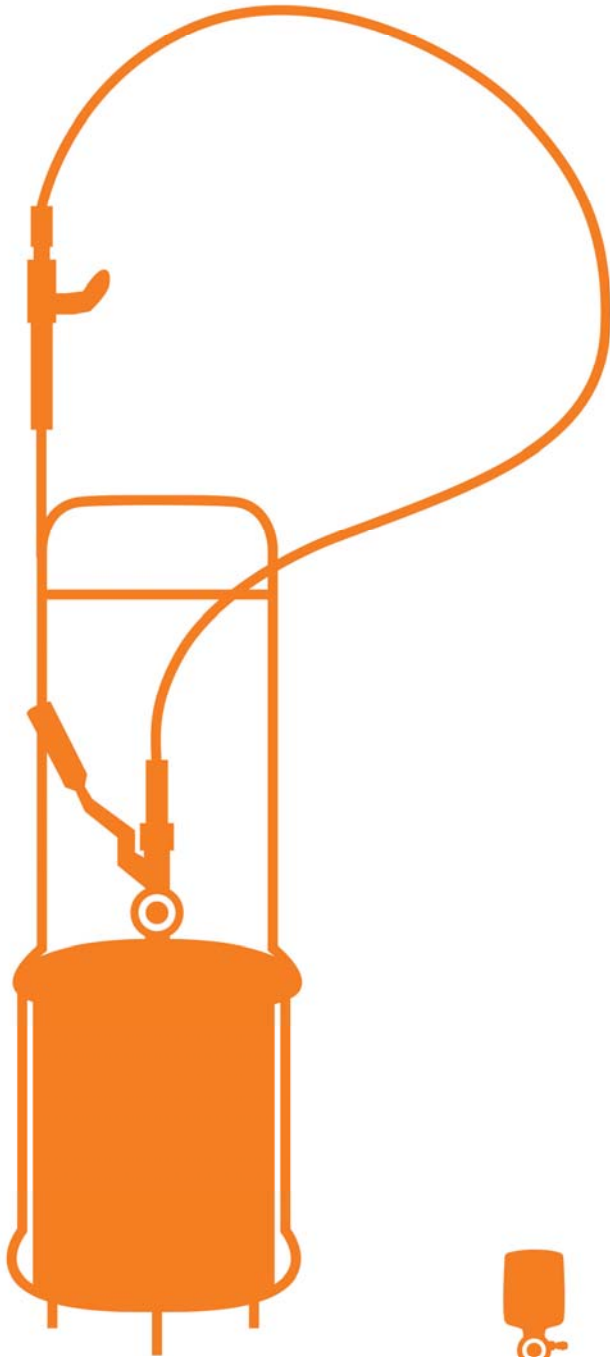
NASA

NASA FIRE TECHNOLOGY LIMITED

FIRE SAFETY PRODUCTS & SOLUTIONS



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“Years of innovation, research and development, and 17 iterations of product design have given us a product that is the best in the world, and proudly designed and made in India.”

**“Small fires can be extinguished using small instrument,
Large fires can never be extinguished using large instrument”**

Dr. H. S. Purohit
Managing Director



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▶ who we are

Novel Access of Scientist's Aspiration

We are a team of engineers with a mission to bring a complete revolution in the world of fire safety by offering sustainable fire safety solutions. In order to accomplish our mission, we need to provide proactive means for the community through:

1) Education: To showcase and educate how fire can be avoided with a better understanding of the fire chemistry - a triangle

2) Invention: Keeping in mind numerous limitations faced by century old conventional fire extinguishing technology, reliable fire safety equipments and systems have been invented by NASA Fire Technology Limited for the first time in the world to satisfy a long awaited need for true fire safety.

NASA fire Technology Limited designs and develops various first aid fire safety products, systems and accessories using various extinguishing media including clean agent for fire prevention and to control early stage small fire before they grow big and destroy everything.

We have also designed very efficient flame retardant chemical granules for specialized fire safety applications. Our team has dedicated 38+ years to researching and conducting in-depth studies on working conditions and human psychology to revolutionize the fire safety industry.

Unlike other extinguishers, Our very unique valve assembly and container of stainless steel 304 devices are leak proof and maintenance free. Our Automatic Range of fire detecting and extinguishing devices provide a safer environment for everyone and have also drastically reduced financial losses of our customers. NASA wants Fire and Accident to become history by eliminating all chances of Fire or Accidents taking place due to incorrect practices, lack of awareness or acts of negligence.

NASA strongly opposes the use of the word "Fire Fighting" and appeals to everyone to believe in taking preventive action rather than curative one. After all, Fire is GOD and GOD cannot be fought with. But surely, we can prevent his curse. This is what he constantly conveys and prays during all NASA Seminars and Workshops.

Not A Single Accident



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Dr. H. S. Purohit
Managing Director

Dr. H. S. Purohit is the Managing Director of NASA Fire Technology Limited. He is Founder of NASA FIRETECH INC. (Now NASA Fire Technology Limited) He is an engineer who has spent more than 38+ years for the Research in the field of Fire in particular and Accident in General all over the world.

Dr. H. S. Purohit has been awarded ASIA PACIFIC INTERNATIONAL AWARD for Individual Excellence in Recognition of Sterling Merit Performance and Outstanding Contribution for the Progress of Nation and Worldwide on 11th May 2013 at Bangkok, Thailand. The Open International University for Complementary medicines has given Doctor of Honors at Kuala Lumpur, Malaysia on 25th June, 2013 to receive the Achievement in Humanitarian Services and Merits of Excellence.

He has been a Speaker at various symposiums and platform such as Chemical (Industrial) Disaster Management (CIDM 2011), Govt of India and Rajasthan- Jaipur, May 2011; Institute of Architect sponsored by World Health Organization at Hotel Maurya Sheraton-New Delhi; Fire and Safety management Techniques and Training at Alyah Satellite Communication Company at Abu Dhabi on 20th Feb 2014; Total Loss Control and Risk Management at Roofings Ltd, Kampala, Uganda on 20th February 2009. He has presented his Research papers at the 4th International Conference, Fire India-2004 Mumbai and IIM(A) - 4th inventors of India Workshop, Nov 2008. The products that he has developed have been Registered with Underwriter's Laboratory (UL), USA in May 2010 and Bureau of Indian Standards (BIS) (ISI), India in July 2015. He is a promoter director of this company.



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NASA the FUTURE of TRUE FIRE SAFETY

introducing hi-tech and superior
fire safety products & solutions
for a safer world



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▶ NASA Semi-Automatic Clean Agent Fire Extinguishers

NASA believes in not compromising at any level. It took 38+ years of intensive research to develop a unique, hi-tech and intelligent Fire Extinguisher, which has been a long awaited need of the industry. Suitable for A, B and C Class of fire, corrosion free and maintenance free fire extinguisher, it comes with a gas shelf life of 10 years. The unique leak proof valve design is the best in the world, and is patent pending. Furthermore, this extinguisher can be used multiple times until the last drop, while other extinguishers have many limitations.



unique leakproof valve



specialized pressure gauge for fire extinguisher



unique design for intelligent discharge



lock-pin design: does not jam



unique ring: protects the extinguisher

SEMI-AUTOMATIC WITH UL LISTED CLEAN AGENT

Model	Capacity (kg)	Product Code	Listing
		HFC 236fa	
NASA 200 MAR	2	S_200_236FA	BIS (ISI)
NASA 400 MAR	4	S_400_236FA	BIS (ISI)
NASA 600 MAR	6	S_600_236FA	BIS (ISI)



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Features:

- ▶ Non corrosive stainless steel design
- ▶ Leak proof design
- ▶ Suitable for all A, B, C and electrical fires
- ▶ Can be used multiple times till the last drop, without losing its effectiveness
- ▶ Lock pin is intelligently designed and has no chance of getting jammed
- ▶ Electrically non-conductive and non-corrosive
- ▶ Intelligent design to provide a comfortable experience in handling the extinguisher
- ▶ Uniform discharge pressure in addition to unique dip tube design ensures discharge of extinguishant till the last drop, maintaining the efficiency of the extinguisher
- ▶ Unique discharge nozzle in combination with discharge cap and deflector, helps to achieve a homogenous mixture. This also helps increase the extinguishing capacity by getting a bigger coverage area
- ▶ Cylinder base ring protects the extinguisher from any impact due to a fall
- ▶ Available in non-magnetic models for medical equipments



UL listed NASA 227 MAR



BIS listed NASA 200 MAR



NASA 100 MAR

BIS listed
NASA 400 MAR



BIS listed
NASA 600 MAR



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▶ NASA Automatic Clean Agent Fire Extinguishers

NASA clean agent based automatic Fire Detecting and Extinguishing Units are unique, hi-tech and intelligent devices meant to extinguish early stage initial fires without taking anybody's consent. The uniqueness lies in its independent working, without any external source of energy. It purely works on nature's most reliable principle of gravity. No power source/batteries required! Over a period of 38+ years of intensive research and development efforts, the product design has been upgraded to perfection by eliminating every minuscule limitations and ensuring a smooth reliable operation.



unique valve design



highly reliable temperature sensor



pressure gauge specially designed for NASA products

AUTOMATIC MODELS WITH UL LISTED CLEAN AGENT

Model	Capacity (kg)	Product Code
		HFC 236fa
NASA 2T	0.35	A_002_236FA
NASA 8T	0.75	A_008_236FA
NASA 16T	1.00	A_016_236FA
NASA 20T	2.00	A_020_236FA
NASA 50T	5.00	A_050_236FA
NASA 100T	8.20	A_100_236FA
NASA 150T	11.00	A_150_236FA

▶ Automatic fire detection and extinguishing units also available in FK-5-1-12



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Features:

- ▶ Non corrosive stainless steel design
- ▶ Electrically non-conductive and non-corrosive
- ▶ Ideal 24x7 protection for special hazards where piped systems are impractical
- ▶ Suitable for all A, B, C and electrical fires
- ▶ Easy to install
- ▶ Complete discharge providing maximum efficiency
- ▶ Valve automatic function is safe in every manner, eliminating the chances of any valve component falling during discharge
- ▶ Valve design ensures choke-free nozzle operation
- ▶ Excellent solution for fire safety and spot protection of critical areas
- ▶ Depending on the area of application and availability of space, NASA automatic units are available in horizontal and vertical models in various capacities & temperature ratings

Applications:

Inside electric panels, server racks, LPG cylinder chamber, car trunk with CNG kit, enclosed solvent drum storage warehouse, etc.



NASA 2T with vertical valve body



NASA 8T with horizontal valve body



NASA 16T with horizontal valve body



typical vertical model installation inside electronic panel



NASA 50T / NASA 100T / NASA 150T



typical horizontal model installation inside server rack



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▶ NASA Fire Suppression Systems

For many years, there has been a practice of installing fire extinguishers outside electric panels to safeguard against electric hazards. Now, when a fire arises due to short circuit inside the panel, these extinguishers cease to be of any effectiveness, since fire is inside and the extinguishant is sprayed on the outer surface.

Considering the modern day infrastructure and industrial needs, there are similar critical areas, which require 24x7 fire protection. NASA fire suppression systems are specially customized and engineered clean agent based fire safety solutions to cater such requirements. These suppression systems consist of advanced NASA leak proof valves, installed at a safe place, along with pre-fixed pipes and unique discharge nozzles, going inside the critical area, to suppress the fire. Property of NASA clean agent prevents reignition, unless ventilated.



heavy duty weighing scale



unique interlocking leakproof
valve design



nozzle for manual discharge



nozzle for automatic discharge

Applications:

A range of Critical areas like data centres, server rooms, control rooms, electronics, telecommunication rooms, LT/ HT electric panels, transformer areas, medical equipment, libraries and medical record rooms, false ceilings, heat treatment furnaces (dip tanks), flammable liquid storage warehouses, Blow room areas of textile industries, paint booths, paint mixing areas, coating operations, oil pumping stations, engine compartments, engine and machinery spaces, CNC machines, conveyor ovens, commercial kitchens, exhaust ducts etc., which require 24 x 7 fire protection.



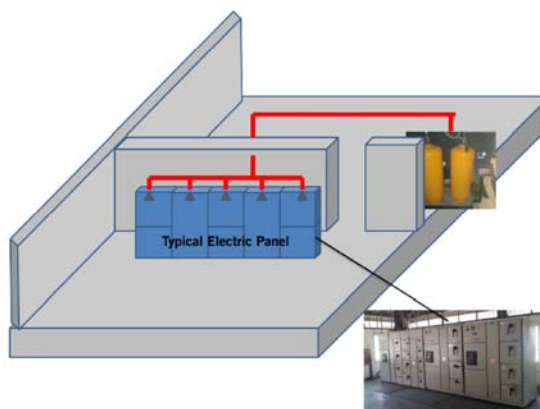
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Features:

- ▶ Based on survey of the area of application, NASA engineers design a customized fire suppression system to fit the customer's safety requirement
- ▶ Provides extensive reach with the designed piping network
- ▶ Suitable for all A,B, C and electrical fires
- ▶ Electrically non-conductive and non-corrosive
- ▶ Interlocking Leak proof long life valve design with 10 years gas shelf life
- ▶ Available in both, automatic actuated (thermal sensor based) as well as manually actuated systems, depending on the requirement
- ▶ Unique discharge nozzle design, gives excellent coverage area
- ▶ NASA Clean agent leaves no residue with minimum collateral damage and minimum downtime. The area, simply needs to be ventilated after application
- ▶ NASA suppression systems come with a pressure gauge and a weigh scale to monitor the health of the system



Typical NASA fire suppression system installation



NASA suppression system for typical electric panels, with discharge nozzles going inside the panel



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▶ NASA Mini Fire Tenders

NASA Manual Movable Trolleys are mini fire tenders meant to effectively extinguish early stage initial fire before it grows big. It has been observed that fire has a tendency to multiply 50 times in the first 8 minutes, and a fire tender would probably take on an average 20-45 minutes to reach the site of fire. Just imagine the multiplication of fire in this period and the kind of destruction that can be averted by the mere presence of a high performance NASA mini fire tender that could have done the job before the fire multiplies. NASA mini fire tenders are equipped with interlocking leak proof long life valve design, which ensures highly reliable operational performance. These trolleys come in various capacities ranging from 10 kg to 50 kg, depending on the area of application and the criticality of the material handled.



unique interlocking valve design



stainless steel control valve
ensure minimum loss



compact design for ease of storage

MANUAL MOVABLE MINI FIRE TENDER WITH UL LISTED HFC-236FA AND FK-5-1-12

Product Code	Model	Capacity (kg)
T_100	NASA 100 MMT	10.0
T_300	NASA 300 MMT	30.0
T_500	NASA 500 MMT	50.0



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Features:

- ▶ Non corrosive stainless steel design
- ▶ Interlocking leak proof long life valve design
- ▶ To ensure minimum loss of media during discharge, additional working valve near the nozzle is provided
- ▶ Can be used multiple times till the last drop without losing its effectiveness
- ▶ Electrically non-conductive and non-corrosive
- ▶ Complete discharge providing maximum efficiency
- ▶ Always ready at your doorsteps to protect you and your premises during fire emergency



NASA 100 MMT



NASA 300 MMT



NASA 500 MMT



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▶ NASA Mini Fire Tenders



NASA Mini Fire Tender



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NASA MINI FIRE TENDER	FIRE TENDER
Very small in size	Very big in size
Anyone can operate	Skills required to operate
Reasonably priced	Cost may range in several Lacs
Zero response time	Can be a very long response time
Minimum investment	Large investment
Remaining material can be used again. No material loss because of Clean Gas based NASA design	Generally it adds further loss of other material in the plant because of water used by Fire Brigade
No "Down Time" - no production loss	Big "Down Time" to restore the activity and huge production loss
No residual effect. No cleaning is required	Effort required to clean up because of residual effect
Low maintenance cost	High maintenance costs
No recurring expenses	Regular expenses
Always ready at your doorstep to protect you and your premises during fire emergency	May be unable to reach fire emergency in time



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▶ NASA DCP Fire Extinguishers

NASA DCP products are among the most powerful available in the market today. With a staggering 233B fire rating for our 9kg model, no early stage fire of any Class (Class A, B or C) can surprise you. NASA uses the highest quality MAP-90 to ensure that even a small quantity of the media is enough to easily extinguish fires that other types of media cannot. Furthermore, our unique inter locking valve design is among the few in the world that does not leak.



Features :

- ▶ Highest Grade Monoammonium Phosphate 90% is used as extinguishing media to control fire quickly
- ▶ Unique inter locking valve that doesn't leak
- ▶ NASA divergent nozzle for optimum throw and discharge

SEMI-AUTOMATIC WITH DCP

Product Code	Capacity (kg)	Fire Rating	Listing
S_600_DCP90	6.00	4A, 183B	BIS
S_900_DCP90	9.00	6A, 233B	BIS

▶ NASA Kitchen Fire Extinguishers

The Nasa F-class extinguisher has a unique delivery mechanism which helps extinguish oil and grease fire using the minimum quantity of extinguishing agent. This spray gun is ergonomically designed for maximum comfort and has a long throw so that you can control the fire from a safe distance.



Features :

- ▶ Unique delivery mechanism to ensure comfort while controlling the oil fire
- ▶ Discharge mechanism ensures targeted delivery of agent to control the fire as quickly as possible
- ▶ Discharge mechanism is intelligently designed to cover for maximum range during initial extinguishing phase so that you are at a safe distance
- ▶ Full SS construction ensures excellent corrosion resistance and long life of the extinguisher.

SEMI-AUTOMATIC WITH F-CLASS CHEMICAL

Product Code	Capacity (ltr.)	Listing
S_600_KCHEM	6.00	BIS



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▶ NASA FK-5-1-12 Based Trolley

Features:

- ▶ Environmentally friendly FK-5-1-12 (Novec) Clean Agent (0 ODP - 1 GWP)
- ▶ Electrically non-conductive and non-corrosive
- ▶ Heavy duty PESO approved cylinder and hose hanger assembly
- ▶ Quick release 4m long discharge hose with SS ball type valve with SS-304 convergent nozzle
- ▶ Corrosion resistant red paint finish
- ▶ Operating temperature range: -40 to +120 F
- ▶ 30ft. Long Discharge range
- ▶ Large instruction lable on cylinder
- ▶ Complete discharge providing maximum efficiency
- ▶ Can be used multiple times till the last drop without losing its effectiveness
- ▶ Always ready at your doorsteps to protect you and your premises during fire emergency



50 kg. FK-5-1-12 Based Wheeled
Fire Extinguisher



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▶ NASA Wet Agent Fire Extinguisher

Features:

- ▶ Fires can be extinguish from a safe distance
- ▶ High temperature fires can be easily controlled
- ▶ Highly effective on the A Class material
- ▶ Non-Toxic, No emission, No odor
- ▶ Stops the spread of smoke
- ▶ Extinguishes fires and retards reingition
- ▶ Ease of post incident Analysis
- ▶ Reuse of Products
- ▶ Long Discharge Time
- ▶ Complete SS-304 make
- ▶ Eco Friendly

Applications:

Tyre Fires, Coal Fires, Cloth Fire and other A Class (solid) Fires.



6 ltr. wet agent extinguisher

SEMI-AUTOMATIC WITH WET CHEMICAL

Product Code	Capacity (kg)	Fire Rating	Listing
S_600_WETAG	6.00	3A	BIS



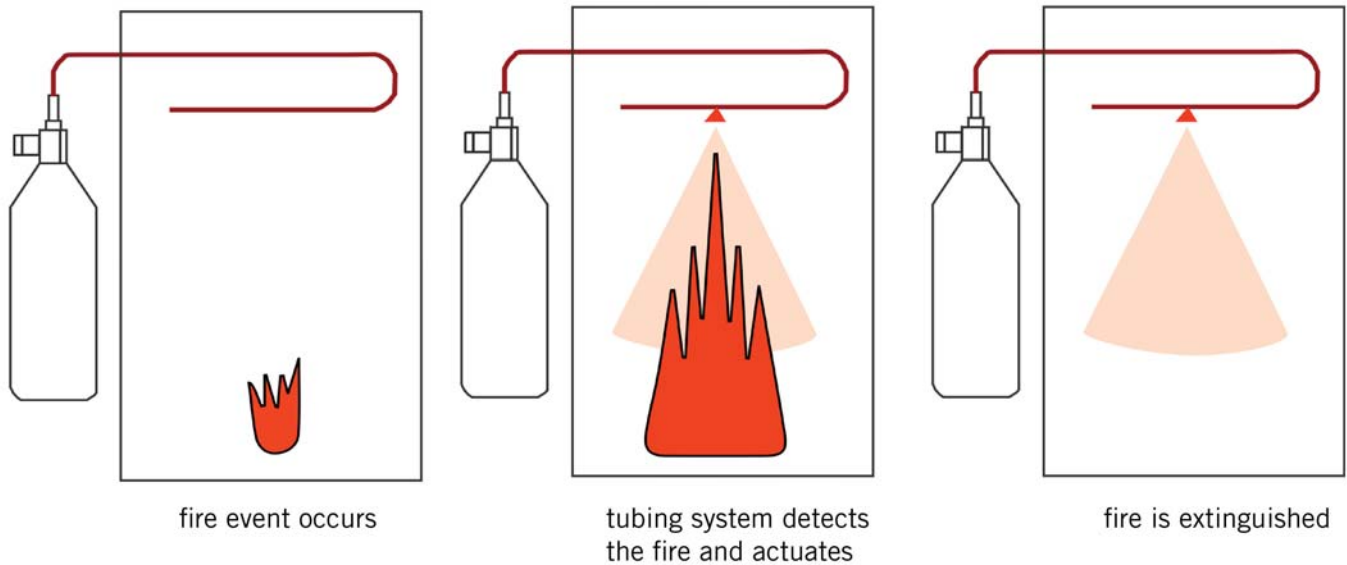
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▶ NASA Tubing Based Automatic Fire Suppression Systems

NASA's fire protection – direct release systems utilize the Linear Fire Sensing tube as both the “detection device” and “extinguishant delivery”. As the fire begins, the portion of the tube nearest to the point where the most heat is detected ruptures, forming an effective spray nozzle. The pressure will then drop as the NASA tube releases the entire contents of the cylinder through the distribution nozzle to effectively suppress the fire. Our fire suppression systems are critical for safety and protecting your valuable equipment.

Features :

- ▶ UL listed Clean Agents used as extinguishing media
- ▶ SS 304 Cylinders and Valve
- ▶ NASA Tubing system is available in both Low & High temperature sensing variants





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▶ NASA Non-Magnetic 200 MAR

By the nature of their operation, magnetic resonance imaging (MRI) scanners generate strong magnetic fields and utilise radiowaves to create images of the human body as a form of medical diagnosis. This means that all equipment within the vicinity of MRI components will need to be suitable in terms of magnetism and electrical conductivity – including fire extinguishers.

Strong magnetic forces can have diverse and detrimental effects on metallic instruments that are also magnetic, including causing excessive heat, impacting on operation and even causing projectile movement. The effects of the force could also have an impact on the reading from the MRI itself, altering results in a manner that could be potentially damaging to patients and medical professionals.

Features:

- ▶ Non corrosive stainless steel SS 304 design.
- ▶ SS 316 based leak proof valve technology.
- ▶ Specially Design for MRI machine.
- ▶ Leak proof long life up to 10 years.
- ▶ Electrically non-conductive and non-corrosive
- ▶ Can be used multiple times till the last drop, without losing its effectiveness.
- ▶ Easy to use/User Friendly
- ▶ Uniform discharge pressure in addition to unique dip tube design ensures discharge of Extinguishant till the last drop(99+%), maintaining the efficiency of the extinguisher.
- ▶ Unique discharge nozzle in combination with discharge divergent nozzle, helps to achieve a homogenous mixture without air pockets.
- ▶ Cylinder Base Ring protects the extinguisher from any impact due to a fall



NASA non magnetic 200 MAR



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▶ NASA Power Breaker Device

In residential/commercial buildings, the inception of fire accidents for major cases is electricity sparks. In most of the cases the fire is controlled using distinguishers and other equipments. But the fire start again in few moments as the electricity sparks are still exists.

For such fire incident, it is very important to stop the electricity supply on immediate basis. As per the study, most of the time people either don't know the control room or don't have the access to control room.

In order to prevent such incidents, we have been doing research since very long time and now come up with very innovative solution. We have developed a device which allows you to cut off your premise power supply with just one click from your mobile.

Internet of Things (IoT) enabled device will be installed at your power supply gateway. And it will be connected to the Internet. Once it's installed, you can now on/off the main power supply using mobile phone with just one click. Our Mobile app also allows you, factory stafs and your family members to monitor and control the power supply status from

Features:

- ▶ Easy control of Mains power supply
- ▶ Monitor and control from Mobile Phone App
- ▶ No need to be in danger place in case of accident
- ▶ Can be access from anywhere
High Quality Product
- ▶ 1 Year Zero cost replacement warranty
Easy Installation
- ▶ Life saver



NASA Power Breaker Device



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▶ NASA Spill Handling Kit

Once upon a time, energy used to be generated by burning wood / coal. There used to be sand buckets to extinguish these fires after the work was done. Today, the world has moved on from wood / coal to kerosine followed by gasoline and many other such fuels. But the practice of such old sand buckets, which cease to be of any use in extinguishing these modern fuel fires, is yet prevalent. They have not evolved.

NASA has developed some excellent flame retardant chemical granules, which are free flowing and come with a 10 year lifetime. Packed in an excellent cassette design, it is very comfortable to handle these spill-kits in contrast to the outdated conventional sand buckets. Manly to handle small solvent spillage fire in the floor before multiplies and destroy everything.



outdated technology



a hi-tech substitute
(NASA Spill Handling Kit)



a typical application

SPILL HANDLING KIT

Product Code	Model	Capacity (kg)	Gross Weight (kg)	Max. Area Coverage (sq ft)
NL_4	NASA LICICOVER	4.00	4.50	3' X 3'



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Features:

- ▶ Unique Cassette design enables very simple use, without any pressure.
- ▶ No maintenance required.
- ▶ Excellent solution for managing early stage small quantity solvent spillage.
- ▶ Easy to handle and carry to the spot of application.
- ▶ No detrimental effect to environment or living beings.
- ▶ Looks hi-tech.
- ▶ Packing is not susceptible to corrosive atmosphere.

Applications:

Petrol pumps, Refineries,
Laboratories, Oil burners, Pantry
/ kitchen area, Solvent tanks,
Railway engines, Hospitals,
Automobile workshops, etc.



NASA Spill Handling Kit

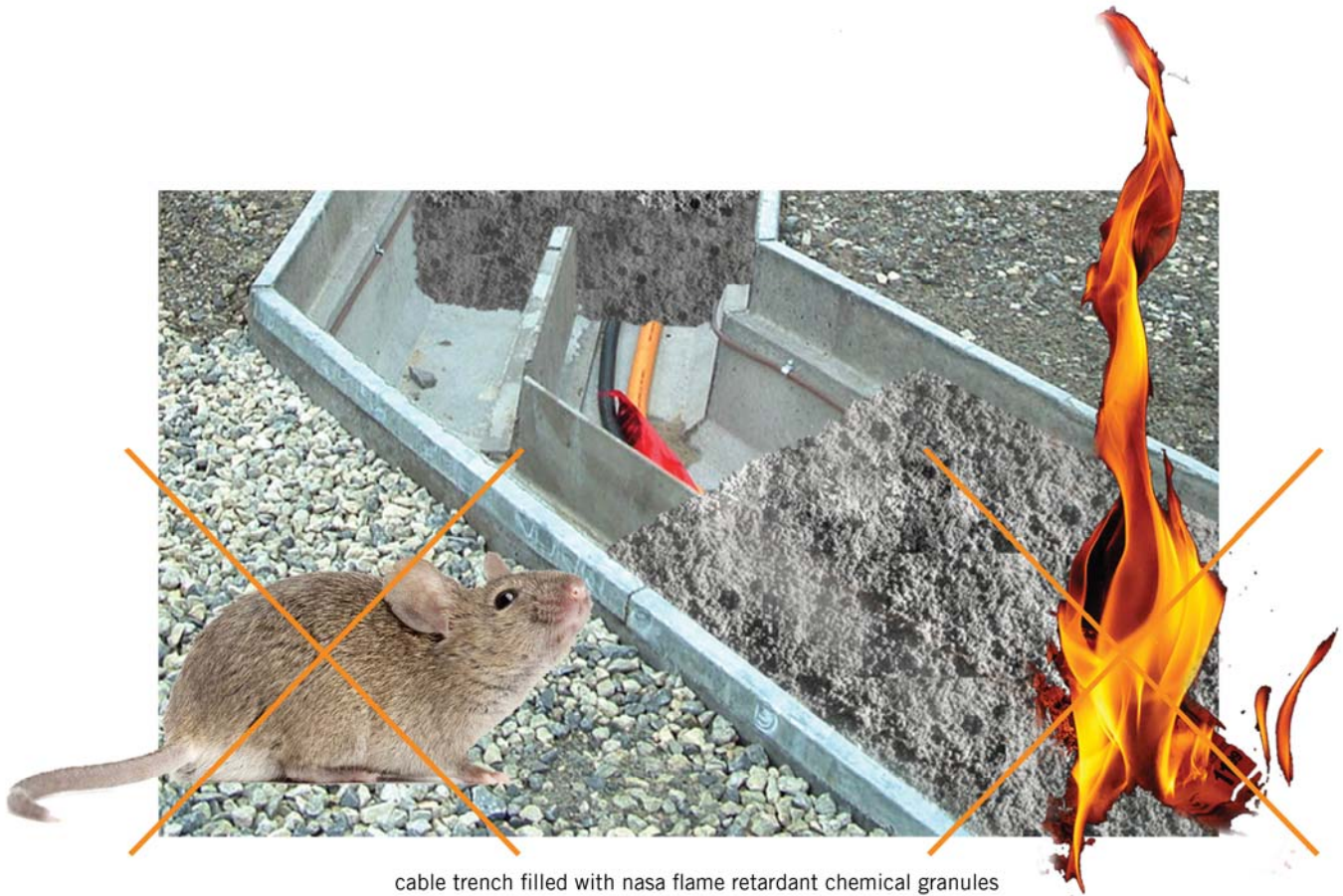


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▶ NASA Flame Retardant Chemical Granules

Unattended cable trenches are one of the most critical hidden hazards in modern day industries. Over a period of time, a significant amount of garbage, water, oil etc gathers inside these trenches. Pests could be another problem responsible for damaging some of these cables. Any fire arising due to short circuit or fusing of such damaged cables will have the power to spread across the entire cable trench engulfing the entire industry into flames and creating an inferno.

NASA flame retardant granules can be filled up in such cable trenches to prevent any spread of fire across the trench. These granules are available in different grades.



cable trench filled with nasa flame retardant chemical granules



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Features:

- ▶ Free flowing flame retardant granules for fire safety of cable trenches.
- ▶ Eliminates cable damage by acting as a barrier to rodents or pests.
- ▶ No maintenance required.
- ▶ No detrimental effect to environment or living beings.
- ▶ Very easy application right at the time of laying down the cables.
- ▶ Available in strong (5 year life) and super strong (10 year life) in different packing of 5 kg, 10 kg, 20 kg and 50kg.

Applications:

In all underground or on the ground cable galleries in various industries including refineries, ships, navy, chemical industries, hospitals, railways, etc.



unattended cable trenches



electrical fire leading to inferno



cable trench filled with nasa flame retardant chemical granules





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▶ NASA Product Gallery



typical NASA 2T installation inside electrical panel



typical NASA 8T installation inside electrical panel



typical NASA 16T installation inside server rack



NASA 227 MAR installation at a steel coating unit



NASA 42T installation on CNC machine
Note: Due to space constraint, the cylinder stays outside the panel while the automatic discharge nozzle goes inside the panel



NASA 42T installation on electrical panels



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NASA 100MMT for fire safety of an electrical research laboratory



non magnetic NASA 227 MAR installed for fire safety of MRI machine at a hospital



typical NASA fire suppression system for fire safety of a color coating unit



typical NASA 227 MAR installation in a hospital building



typical NASA fire suppression system for safety of electrical panels (in open condition)



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▶ Characteristics of Extinguishing Media Used

- ▶ Environmentally friendly clean agents having zero ODP
- ▶ Discharges as liquid that rapidly evaporates into the atmosphere
- ▶ NASA Clean agents are safe and environmentally acceptable alternatives to Halon 1211/Halon 1301/HCFC-123
- ▶ NASA Clean Agents leave no residue after application resulting in virtually zero collateral damage
- ▶ NASA Clean Agents are in a liquid state when stored pressurized

PHYSICAL PROPERTIES OF NASA EXTINGUISHING MEDIA

Name	HFC-236FA	FK-5-1-12
Chemical Formula	C ₃ H ₂ F ₆	CF ₃ CF ₂ C(O)CF(CF ₃) ₂
Molecular Weight	152.04 g/mol	316.04 g/mol
Boiling Point	-1.4 deg.C	49 deg.C
Liquid Density @ 25 deg.C	1360 kg/m ³	1710 kg/m ³
Vapor pressure @ 25 deg.C	2.724 bar	0.40 bar
Extinguishing Concentration: N-Heptane Cup Burner	6.4%	4.5%
No Observed Adverse Effect Level	10%	6%
Low Observed Adverse Effect Level	15%	10%
Ozone Depletion Potential	0	0
Global Warming Potential	9810	1
Atmospheric Life Span (years)	240	0.0014



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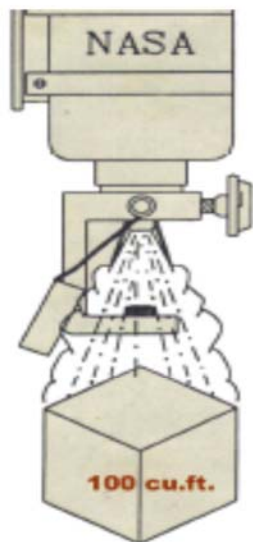
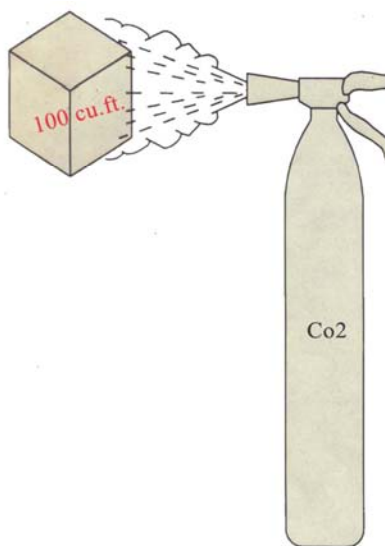
▶ Effectiveness Comparison Between NASA & CO₂ Volume Enclosure 100 cu. feet

Between 7% to 9% concentration
across various models

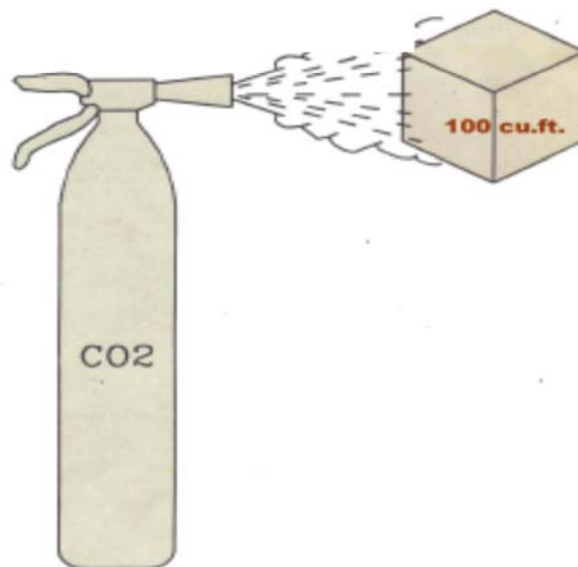


nasa semi-automatic

approximately
38% concentration



nasa automatic





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Certificates

ONLINE CERTIFICATIONS DIRECTORY

GAOM.EX15287
Clean-agent Extinguishers

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Clean-agent Extinguishers

See General Information for Clean-agent Extinguishers

NASA FIRE TECHNOLOGY LTD EX15287
A-4, FIRST FLOOR, BILESHWAR ESTATE - PART 1
B/H RAIPUR BHAIYA HOUSE
ODHAV RING ROAD CIRCLE, ODHAV
AHMEDABAD, GUJARAT 382415 INDIA

Stored-pressure-type Extinguishers

Model	Nominal Agent Capacity, lb	Min Use Temp, °F	Rating	Marine Type
NS-123				
NASA-227MAR	5.0 (2.27)	-40	2-B-C	No

Last Updated on 2018-08-23

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Ahmedabad Branch Office

ATTACHMENT TO LICENCE NO. CML- 7200017592

CML NO	NAME OF THE LICENSÉE WITH ADDRESS	PRODUCT	IS NO
7200017592	NASA FIRE TECHNOLOGY LTD -A/4, FIRST FLOOR, BILESHWAR ESTATE, PART-1, B/H RAIPUR BHAIYA HOUSE, OPPOSITE GUJARAT VEPARI MAHA MANDAL, ODHAV RING ROAD, ODHAV, Ahmedabad : 380023	PORTABLE FIRE EXTINGUISHERS- PERFORMANCE AND CONSTRUCTION	IS 15683: 2006

ENDORSEMENT NO. 8 Dated *02 Oct 2019*

Consequent upon the revision of IS 15683:2006 as IS 15683:2018.

The scope of licence (size/types/grades etc.) has been revised as per attached annexure in Column (2) of the first schedule and Column (1) of the Second Schedule of the Licence with immediate effect.

Annexure attached.

Whereas, the licence was valid upto Twenty Eighth June Two Thousand Nineteen .

Now, consequent upon renewal, the validity of the licence given in schedule of the Endorsement No 5 has been extended from Twenty Ninth June Two Thousand Nineteen to Twenty Eighth June Two Thousand Twenty.

Other terms and conditions of licence remain same.

MANVENDRA SINGH
SCIENTIST, C
Date of signature: 02/10/2019
BUREAU OF INDIAN STANDARDS
1st Floor, Navajivan Anant Ashram Bhavan, Bhambhujal Vidyapeeth, CHH Ashram Road, Ahmedabad

ZERTIFIKAT ◆ CERTIFICATE ◆ 認証証書 ◆ CERTIFICADO ◆ CERTIFICAT

CERTIFICATE

The Certification Body
of TÜV SÜD South Asia Private Limited
certifies that



NASA FIRE TECHNOLOGY LIMITED
A/4, First Floor, Bileshwar Estate Part-1, Bh. Raipur Bhaiya House,
Opp. Vepari Maha Mandal, Odhav Ring Road, Odhav,
Ahmedabad – 382 415, Gujarat, INDIA

has implemented a Quality Management System
in accordance with **ISO 9001:2015**
For Scope of

Design, manufacture and supply of Fire safety Products & Solutions

The certificate is valid From **2018-07-20** until **2021-07-19**

Subject to successful completion of annual periodic audits
The present status of this Certificate can be obtained on www.tuv.com
Further clarifications regarding the scope of this certificate may be obtained by contacting the certification body

Certificate Registration No. **99 100 11957**
Date of Initial certification : **2010-08-30**

Signature

Certification Body
of TÜV SÜD South Asia Private Limited, Mumbai
Member of TÜV SÜD Group



TÜV SÜD South Asia Pvt. Ltd. • TÜV SÜD House • Sakinaka • Andheri (East) • Mumbai - 400072 • Maharashtra • India TÜV®



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NASA FIRE TECHNOLOGY LIMITED

▶ Products at a Glance

▶ NASA Automatic Fire Extinguishers



NASA 2T



NASA 8T



NASA 16T



NASA 20T



NASA 50T
(also available with MAP-90)



NASA 100T/150T

▶ NASA Semi-Automatic Fire Extinguishers



NASA 1 kg clean agent



NASA 2 kg clean agent



NASA 2.27 kg clean agent



AUTHORIZED DISTRIBUTOR OF
NASA FIRE TECHNOLOGY LIMITED



NASA 4 kg clean agent



NASA 6 kg clean agent



NASA 6 Lit. F class



NASA 6 kg DCP



NASA 9 kg DCP



6 ltr. wet agent extinguisher

▶ NASA Spill Handling Kit



▶ NASA Flame Retardant Chemical Granules



cable trench filled with nasa flame retardant chemical granules





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▶ NASA Mini Fire Tenders



NASA 10 kg clean agent



NASA 30 kg clean agent

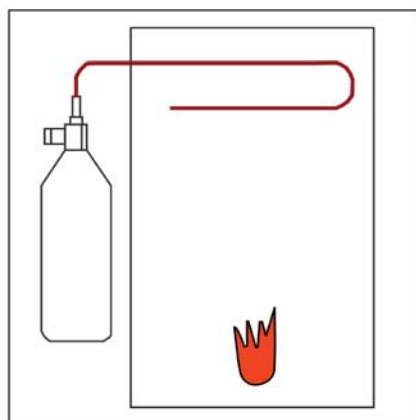


NASA 50 kg clean agent

▶ NASA FK-5-1-12 Based Trolley



▶ NASA Tubing System





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▶ NASA Fire Suppression Systems



Notes