



SPECIALITY
GEOCHEM

SPECIALITY GEOCHEM

- FIRE EXTINGUISHER BALL
- FIRE EXTINGUISHER CYLINDER
- AUTOMATIC FIRE SUPPRESSION TUBE





ABOUT US



Mr. RAKESH MISHRA

CEO and Founder

Welcome to **SPECIALITY GEOCHEM**, we are the leading industrial house in Rajasthan. Emanating in 1996 as a small mineral industry we continuously growing and diversifying its activities in field of Industrial Chemicals, Industrial Minerals, Plastic Additives and fire protection solution.

We are specialized & technically competent to undertake fire safety management & maintenance to ensure the uncompromised quality, Higher volumes, Profitable growth & well timed expansion.

These are just few of the words that describe the journey of **SPECIALITY GEOCHEM**, since the every day of its inception.





OUR VISION

To Become Amongst The Top 5 Leading Manufacturer & Service Providers Of Fire Protection And Safety Systems In India By The End Of 2025, With Establish Operations, Delivering Quality Products And Services That Are Suitable For The Region, Effective And Environmentally Sustainable

OUR MISSION

Build A Safe And Secure Environment For Our Community.

When It Comes To Dangerous Or Hazardous Conditions, No Matter What Industry You Are In Or Where You Are In The World, Speciality Geochem Is The Company Of People You Can Count On To Keep Your Employees, Neighbours And The Environment Safe.

OUR VALUES

- ✓ **INTEGRITY**
- ✓ **PROFESSIONALISM**
- ✓ **VALUE FOR MONEY**

These Core Values Reflect What Is Truly Important To Us As An Organisation. They Do Not Change From Time To Time, Situation To Situation, Or Person To Person, But Rather They Underpin Our Group Culture. What We Do Can Affect People's Lives. It Is Important Therefore That Our Customers Can Rely On Us That We Will Do Things Right - We Mean What We Say And We Do What We Say.

QUALITY POLICY

Speciality Geochem Take Care Of All The Quality Standards Applicable Strictly And Provides The Best Quality To Our Clients. It's Committed To Continually Improve The Effectiveness Of The Quality Management System Adopted And Implemented Throughout The Organization By Ensuring Its Customer Satisfaction.



INFRASTRUCTURE



**STATE-OF-THE-ART PRODUCTION TECHNOLOGY AND
HIGHLY QUALIFIED EMPLOYEES.** 

Our Method: Manufacturing Ourselves – Right From The Start, With the Highest Standards.

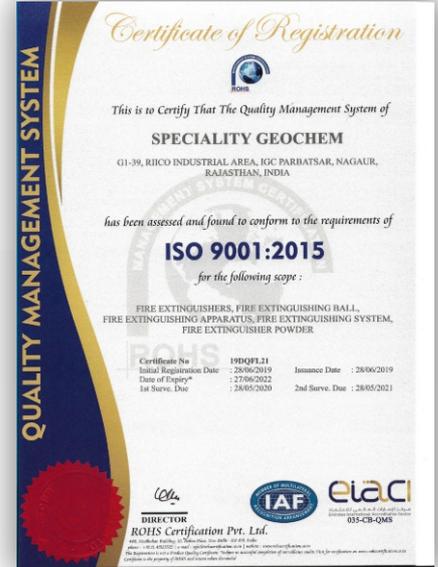
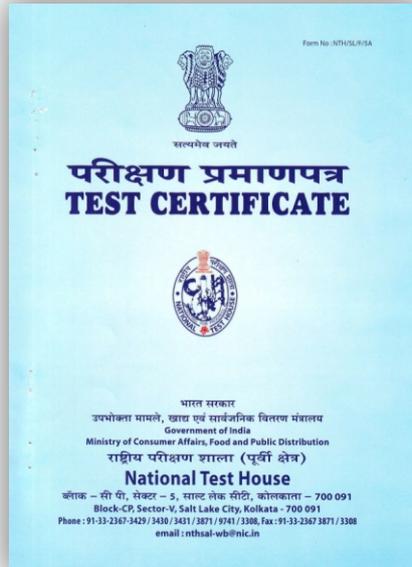
This Lets Us Keep Full Control Over Quality And Delivery Deadlines But It Also Lets Us Respond Quickly And Flexibly To Customer And Market Changes. Based On State-of-the-art Production Technology And A Highly Qualified Team, We Can Ensure The Consistently High Level Quality Of Our Products.

Being The Market Leader Means Meeting High Customer Requirements And Expectations.





OUR CERTIFICATION



SPECIALITY GEOCHEM Have Accredited As An Iso 9001:2015, Iso 14001:2015, Iso 45001:2018 Company. The Management Team Is Committed To Systems And Methodologies That Recognize The Importance Of Quality, Health, Safety And Protection Of The Environment

FIRE EXTINGUISHER BALL

- **FIRE EXTINGUISHER BALL** react to flame very quickly, causing the triggers embedded in the unit to respond and disperse the dry chemical fire suppressant locked inside
- On activation it will spread a dry powdered fire extinguishing agent
- Mono ammonium phosphate is commonly used as a non toxic agent that extinguishes flame of class A, B and C fires



Technical Information

WEIGHT OF FIRE BALL EXTINGUISHER: 1.3 ± 0.2 kg

WARNING AUDIO SIGNAL: 120 dB (Impulse Noise)

ACTIVATION TIME: 3 – 8 sec with flame

DIAMETER: 148 mm

STORAGE TEMPERATURE: Not lower than -40° C and not exceed than +85° C.

EFFECTIVE EXTINGUISH AREA: 360° cover 1.80 cubic meter.

BENEFITS

- **Ease Of Use, No Training Required, No Pins, And No Moving Or Mechanical Parts.**
- **Compact And Light Weight –it's Only 1.3 Kg .per Ball, Housewife, Old Age People And Even Children's Capable Of Handling.**
- **Self-activating Even Without People Present In The Case Of Fire.**
- **Have Sound Level Approx 120 That Could Be As Fire-alarm, And Be Warning For Fire And Fire Extinguishing Ball Working.**
- **Greater Safety For Users – No Need To Face Dangerous Flames And Gases At Close Distances.**
- **No False Alarms, Or Tampering – Cannot Be Activated Without Fire.**
- **Flexible, Aesthetic Design And Simple Installation – Tabletop Or Wall Mount.**
- **No Inspection And Maintenance Requirement For Life Span Of The Product – Shelf Life Of 5 Years.**
- **Lower Total Cost Of Protection Over the Life Span Of The Product.**

OUR BRANDS



AUTO FIRE STOP



AUTO FIRE FIGHTER



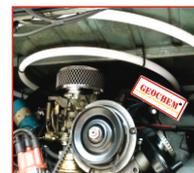
FIRST ALERT

AUTOMATIC FIRE SUPPRESSION TUBE SYSTEM

What is GEOCHEM Fire Suppression Tube System?

The primary goal of a fire suppression tube system is to prevent a fire from spreading. This System is intended to prevent or extinguish fires automatically within seconds. The system consists of a heat sensitive tube made of special plastic which is closed by a fitting on each end. It has both storage and detection function which means that the extinguishing agent is stored directly in the Tube and no additional storage device such as cylinder is needed.

FM-200 or HFC-227ea is chemically known as Heptafluoropropane or Clean Agent Fire Suppression System, which is a fire suppression agent.



How does GEOCHEM Fire Suppression Tube System Work?

Fire begin for various reasons in different environment. combustible liquid, such as the oil-based coolant used in CNC machine, may spark due to friction and ignite. In the electrical panels or server racks, electrical arching can flash and ignite fires. These causes damage to the equipment by melting wire & igniting other flammable material in the environment.

When the temperature in the protected enclosure rises to a critical threshold, the detection tube melts down at the point where the affecting temperature is the highest. Melting the tube creates a hole releasing the entire extinguishing agent stored in the tube onto the source of the fire.

FEATURES

- Universal use: high flexibility of **GEOCHEM** – FIRE SUPPRESSION TUBE SYSTEM and A, B, C and electrical fires class rating can protect almost any space
- High cost-effectivity: zero maintenance, long working life, automatic activation beats the competition in cost-effectivity
- Automatic operation based on increased temperature: ideal for non-occupied spaces & spaces out of sight
Fully independent: system is operational 24/7 without any power supply
- No cylinder for storage of extinguishing agent needed: the whole system can be placed inside the protected enclosure
- Option to connect the pressure switch and other additional components like signaling unit to perform further functions
- Operation temperatures: up to -40°C to 90°C
- No maintenance during entire working life = zero maintenance costs long working life: upto 5 years depending on the type of application
- Clean and effective extinguishing agent: world-wide known and accepted HFC-227ea gas
- No pressurization needed: the system works by increasing pressure of the extinguishing agent when heated
- No harm to protected enclosure and people when discharged
- Very simple installation: no training required for installation
- Activation temperature: about 95°C & 120°C
- Due to physical and chemical properties of the agent, pressure in the tube can vary depending on the ambient temperature. The higher the ambient temperature, the higher pressure in the tube and vice versa at very low temperatures the pressure of agent vapors is zero. Indicator on the pressure gauge can vary from 0 bar (when temperatures are very low) to 15 bar (when temperatures are very high).

APPLICATION AREAS

- Engine compartments of vehicles, machines ,pleasure boats, earthmoving equipment
- Electrical Panels, IT server racks and battery cabinets ● Vending machines, POS machines, ATMs

FIRE EXTINGUISHER CYLINDER

ABC MULTIPURPOSE POWDER PORTABLE FIRE EXTINGUISHERS

Suitable for Class A,B,C & D Fire Involving Combustible Material
Like Wood Paper, Cloth Flammable Gas Liquid Petrol, Paints Solvents
& Electricity Started Fires & All Classes of Fire

Description	BIS spec.	Discharge Time (sec.)	Jet Length (Meters)	Test Pressure Kgt/Cm ²
ABC- 1 kg.	15683	6-8	2-3	35
ABC- 2 kg.	15683	6-8	2-3	35
ABC- 4 kg.	15683	6-8	6-7	35
ABC- 6 kg.	15683	10-12	6-7	35
ABC- 9 kg.	15683	12-18	6-7	35



IS 15683



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CARBON DI-OXIDE GAS BASE PORTABLE FIRE EXTINGUISHERS

Suitable for Class B,&C Fire Involving Material
Like Oil, Gases, Electric & Delicate Machineries.

Description	BIS spec.	Discharge Time (sec.)	Jet Length (Meters)	Test Pressure Kgt/Cm ²
Co ₂ - 2 kg.	15683	6-8	2	250
Co ₂ - 4 kg.	15683	10-18	2.5	250



IS 15683



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M/FOAM (AFF) TYPE FIRE EXTINGUISHER (STORED PRESSURE)

Suitable for Class A,& B Fire Involving Flammable Liquid Petroleum Products or Where the Blanketing Effect is Essential.

Description	BIS spec.	Discharge Time (sec.)	Jet Length (Meters)	Test Pressure Kg/Cm ²
AFFF-9 Ltrs	15683	50-60	6-8	35



IS 15683



CM/L:2533146

WATER TYPE FIRE EXTINGUISHER (STORED PRESSURE)

Suitable for Class A Fire Involving solid combustible Material of Organic Nature Such as wood, paper, textile, jute & many other goods etc.

Description	BIS spec.	Discharge Time (sec.)	Jet Length (Meters)	Test Pressure Kg/Cm ²
W/CO ₂ - 2 kg.	15683	50-60	6-8	35



IS 15683



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**SPECIALITY
GEOCHEM**



OUR CLINTS



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(Rajasthan)INDIA

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