

Be Ready, Be Safe





About Us

When you hear the word "Bujaa," what comes to mind?
For many of us, it represents the immediate action needed when faced with the frightening reality of a fire. It's a feeling we all recognize—the surge of urgency and the need for safety. But in those critical moments, panic often takes over, and knowing exactly what to do can make all the difference.

At Bujaa, we understand that fire emergencies are terrifying and chaotic. We know that in those intense moments, the natural response is panic, and that's why we're here. We believe that everyone deserves to feel prepared and confident in the face of danger, and we are dedicated to making that happen.



Mission

To promote fire safety awareness and provide effective fire extinguishers, ensuring that everyone is prepared to act in an emergency.



Vision

To be present in every space across the countries, ensuring that no one is ever unprepared for a fire emergency.





Model No.	SPF -1ABC -MAP90	SPF -2ABC -MAP90	SPF -4ABC -MAP90	SPF -6ABC -MAP90	SPF-4ABC	SPF-6ABC
Cylinder Material	M.S.	M.S.	M.S.	M.S.	M.S.	M.S.
Capacity	1 K.G.	2 K.G.	4 K.G.	6 K.G.	4 K.G.	6 K.G.
Fire Rating	1A 21B	1A 34B	3A 89B	4A 144B	2A 21B	3A 89B
Extinguishing Medium	Dry Chemical Powder					
Temperature Range	-30°C to +60°C	-30°C to +60°C	-30°C to +60°C	-30°C to +60°C	-20°C to +55°C	-30°C to +60°C
Discharge Time	08 Seconds	08 Seconds	13 Seconds	16 Seconds	13 Seconds	13 Seconds
Discharge Range	Minimum 2 Mtr	Minimum 2 Mtr	Minimum 2 Mtr	Minimum 4 Mtr	Minimum 2 Mtr	Minimum 2 Mtr
Operating Pressure	15 BAR					
Cylinder Test Pressure	35 BAR					
Propellant	NITROGEN	NITROGEN	NITROGEN	NITROGEN	NITROGEN	NITROGEN
Installation and Maintenance	AS PER IS:2190					



Model No.	SPF-9MF	SPF-9K	SPF-4K	CO2-4.5KG	CO2-9KG	CO2-22.5KG
Cylinder Material	M.S.	S.S.	S.S.	Seamless Steel Tube	Seamless Steel Tube	Seamless Steel Tube
Capacity	9LTR	9LTR	9LTR	4.5 K.G.	9 K.G.	22.5 K.G.
Fire Rating	4A 144B	75F	15F	55B	55B	89B
Extinguishing Medium	AFFF FOAM	WET CHEMICAL	WET CHEMICAL	CO2	CO2	CO2
Temperature Range	+5°C to +55°C	+5°C to +60°C	+5°C to +60°C	-30°C to +55°C	-30°C to +55°C	-30°C to +55°C
Discharge Time	13 SECONDS	13 SECONDS	13 SECONDS	9 SECONDS	9 SECONDS	8 SECONDS
Discharge Range	MINIMUM 2 MTR	MINIMUM 2 MTR	MINIMUM 2 MTR	MINIMUM 4 MTR	MINIMUM 2 MTR	MINIMUM 2 MTR
Operating Pressure	15 BAR	15 BAR	15 BAR	70 BAR	70 BAR	70 BAR
Cylinder Test Pressure	35 BAR	35 BAR	35 BAR	250 BAR	250 BAR	250 BAR
Propellant	NITROGEN	NITROGEN	NITROGEN	CO2	CO2	CO2
Installation and Maintenance	AS PER IS:2190					



Fire extinguisher classification chart

Class & Type of Fire	Colours	A	B	C	D	E	F	
Type of Extinguisher		Wood, Paper Plastic	Flammable & Combustible Liquids	Flammable & Gases	Combustible Liquids	Electrically Energised Equipment	Cooking Oils & Fats	
Water		✓	✗	✗	✗	✗	✗	Do not use on energised electrical equipment, flammable liquids & cooking oil/fat fires.
Carbon Dioxide		Limited	Limited	✗	✗	✓	✗	Not ideal to use outdoors or large class A fires.
Dry Chemical Powder		✓ AB(E) ✗ B(E)	✓	✓	✗	✓	✗ AB(E) ✓ B(E)	Be careful to select the correct extinguisher. ABE and BE fire extinguishers are different
Foam		✓	✓	✗	✗	✗	Limited	Do not use on energised electrical equipment
Kitchen		✗	✗	✗	✗	✗	✓	Effective on fires involving cooking oils or fats and all type of Kitchen Oils & Fats
Wet Chemical		✓	✗	✗	✗	✗	✓	Do not use on energised electrical equipment
Fire Blanket		Limited	Limited	✗	✗	✗	✓	Effective on small oil/fat fires within kitchens. Also used to extinguish clothing fires

✓ ✓ = The class or classes in which agent is most effective

✗ ✗ = Not recommended for these class of fires

LIMITED = Indicates that the Extinguishant is not the agent of choice for the class of fire, but may have a limited extinguishing capability.

- Fire extinguishers are a small first attack fire appliance. If you do not feel confident in operating one in an emergency situation, leave it.
 - Do not put yourself at risk.
- Alert others in the vicinity and contact the Fire Brigade 101



How to use fire extinguisher?





અગ્નિશામક વર્ગીકરણ ચાર્ટ

આગના વર્ગ અને પ્રકાર	રંગ	A	B	C	D	E	F	
અગ્નિશામકના પ્રકાર		લાકડું, કાગળ, પ્લાસ્ટિક	જ્વલનશીલ & દહનશીલ પ્રવાહીઓ	દહનશીલ ગેસ	દહનશીલ પ્રવાહીઓ	ઇલેક્ટ્રિક ઊર્જા પામેલ સાધનો	રસોઈના તેલ અને ચરબી	
પાણી		✓	✗	✗	✗	✗	✗	ઇલેક્ટ્રિક સાધનો, સળગતા પ્રવાહીઓ અને રસોઈના તેલ/ચરબીની આગ પર ઉપયોગ ન કરો.
કાર્બન ડાયોક્સાઇડ		મર્યાદિત	મર્યાદિત	✗	✗	✓	✗	બાહ્ય અથવા મોટા ક્લાસ A અગ્નિ માટે આદર્શ નથી
સુકો રસાયણ પાવડર		✓ AB(E) ✗ B(E)	✓	✓	✗	✓	✗ AB(E) ✓ B(E)	સાચા અગ્નિશામક પસંદ કરવાની કાળજી રાખો. ABE અને BE અગ્નિશામક અલગ છે
ફોમ		✓	✓	✗	✗	✗	મર્યાદિત	ઇલેક્ટ્રિક સાધનો પર ઉપયોગ ન કરો.
રસોઈ		✗	✗	✗	✗	✗	✓	રસોઈના તેલ અથવા ચરબી અને તમામ પ્રકારના રસોઈના તેલ અને ચરબીની આગ પર અસરકારક
ભીનું રસાયણ		✓	✗	✗	✗	✗	✓	ઇલેક્ટ્રિક સાધનો પર ઉપયોગ ન કરો.
અગ્નિ કાંબળું		મર્યાદિત	મર્યાદિત	✗	✗	✗	✓	રસોઈઓમાં નાની તેલ/ચરબીની આગ પર અસરકારક. કપડાની આગ બુઝાવવા માટે પણ ઉપયોગ થાય છે

- ✓ ✓ = એ વર્ગ કે વર્ગો જ્યાં સૌથી અસરકારક છે
 ✗ ✗ = આ પ્રકારની આગ માટે અસરકારક નથી
 મર્યાદિત = સૂચવે છે કે અગ્નિશામક એ આ આગના વર્ગ માટે પસંદગીનો નથી, પરંતુ મર્યાદિત આગ બુઝાવવાની ક્ષમતા હોઈ શકે છે.

અગ્નિશામક એક નાની પ્રથમ હુમલાની આગ એપ્લાયન્સ છે. જો આપને ઈમર્જન્સી પરિસ્થિતિમાં એનું સંચાલન કરવાથી આત્મવિશ્વાસ ન હોય તો તેને છોડી દો.

પોતાને જોખમમાં મૂકશો નહીં, નજીકના અન્ય લોકોને ચેતવણી આપો અને અગ્નિશામક 101 ને સંપર્ક કરો.



અગ્નિશામક કેવી રીતે વાપરવું?

- 1 સેફ્ટી પિન ખેંચો
- 2 આગના તળિયે નિશાન લગાવો
- 3 લીવર દબાવો
- 4 આગની આજુબાજુ ઇંટકાવ કરો



CLASS A FIRE RATING

For a Class A fire test, a wooden crib is placed on supports 400 mm above the ground. An ignition pan with fuel and water is lit to start the fire. The fire burns until the crib's weight is about 55% of its original, taking 6 to 10 minutes.

Then, the operator uses a fire extinguisher to cover all sides of the crib. The fire is considered out if no flames are visible three minutes after using the extinguisher.

Class A Rating	Number of pieces of wood	Dimension of wood	Arrangement of Pieces of wood
1A	72	500x39x39	12 layers of 6 pieces of wood
2A	112	635x39x39	16 layers of 7 pieces of wood
3A	144	735x39x39	18 layers of 8 pieces of wood
4A	180	800x39x39	20 layers of 9 pieces of wood
6A	230	925x39x39	23 layers of 10 pieces of wood

CLASS B FIRE RATING

Class B fire extinguishers handle flammable liquid fires, like petrol, diesel, and oils.

These fires are dangerous if not quickly controlled.

Testing involves burning n-heptane fuel in steel trays for about a minute before using the extinguisher.

To get a Class B rating, the extinguisher must fully put out the fire.

Class B Rating	Volume of Liquid in Liter <small>1/3 water and 2/3 n-heptane</small>	Dimensions of Test Fire Tray		
		Diameter mm	Internal Depth mm	Surface Area of Fire m ²
8B	8	570 ± 10	150 ± 5	0.25
13B	13	720 ± 10	150 ± 5	0.41
21B	21	920 ± 10	150 ± 5	0.66
34B	34	1170 ± 10	150 ± 5	1.07
55B	55	1480 ± 15	150 ± 5	1.73
70B	70	1670 ± 15	150 ± 5	2.20
89B	89	1890 ± 20	200 ± 5	2.80
113B	113	2130 ± 20	200 ± 5	3.55
144B	144	2400 ± 25	200 ± 5	4.52
183B	183	2710 ± 25	200 ± 5	5.75
233B	233	3000 ± 30	200 ± 5	7.32



■ Schedule For Hydraulic Pressure Testing Of Fire Extinguishers

Every extinguisher installed in premises shall be hydraulically pressure tested as per the schedule given below. There shall not be any leakage or visible distortion. Extinguisher which fails in these requirements shall be replaced.

The carbon dioxide type and Halon 1211 type fire extinguishers shall be pressure tested every time the cylinders are sent for recharging (after periodic discharge test or otherwise) to the pressure specified in the relevant Indian Standard specifications.

SI No.	Type of Extinguisher	Test Interval	Test Pressure	Pressure Maintained for
1	Water type (gas cartridge) (IS 940)	3 yr	1.75 MPa (17.5 kg/cm ²)	2.5 min
2	Water type (Stored pressure) (IS 6234)	2 yr	2.5 MPa (25 kg/cm ²)	2.5 min
3	Mechanical foam (IS 10204)	3 yr	1.75 MPa (17.5 kg/cm ²)	2.5 min
4	Dry powder type (IS 2171, IS 10658, IS 11833)	3 yr	2.5 MPa (25 kg/cm ²)	2.5 min

■ Refilling Schedule For Fire Extinguishers And Schedule For Operational Test On Fire Extinguishers

■ EXTINGUISHERS TO BE REFILLED/OPERATED FOR PERFORMANCE TEST

■ Once in Two Years

- Portable fire extinguisher, water type stored pressure.
- Portable fire extinguisher, mechanical foam type.

■ Once in Five Years

- Portable fire extinguisher, water type (gas cartridge)
- Fire extinguisher, carbon dioxide type (portable and trolley mounted)
- Dry powder fire extinguishers for metal fires.

■ NOTES

In corrosive environments, it is desirable to have the discharge test carried out at half the frequency mentioned. As for the restriction on release of Halon in atmosphere, it need not be necessary to refill/operate Halon 1211 type portable fire extinguisher within any stipulated period. However, as regards the pressure of the injection gas, i.e., dry N₂, it should be checked up for the adequate pressure on the pressure gauge/indicating gauge and the contents by weighing the fire extinguisher.

■ Once in 3 years

BC and ABC dry powder conforming to IS 4308 and IS 14609.



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