



**DRY CHEMICAL  
POWDER**

**Suitable For :**

Fired on ordinary combustible materials, highly flammable liquids, gases expelled under pressure and fires under electric tension.

**Specification :**

BSS 5423

**Construction :**

Main body of 2 deep-drawn shells, welded together. Tested to 25Kg/cm sq. (350 lbs psi).

**Protection :**

Epoxy polyester powder coating by electrostatic process and then stoved to 200 degrees centigrade.

**Colour :**

Red with instructional label






**Design :**

Extinguishers contain dry powder in main body which is pressurized with nitrogen. Pressure gauge fitted at front gives all-time indication whether extinguisher is charged or needs refilling.

**Operation :**

by depressing operating lever, nitrogen is released which expels dry powder through distribution hose and discharge nozzle.

Model	Power Content	Discharge Time	Max. Range	House Length	Type of Discharge	Total Weight	For Class
DC - SP - 1	1.0 Kg (2.2 lbs)	4 - 5 Second	3 - 5 m (10 - 16ft)	Nil	controlled	2.0 Kg.	ABCE*
DC - SP - 2	2.0 Kg (4.4 lbs)	8 - 10 Seconds	4 - 6 m (13 - 20ft)	Nil	controlled	3.6 Kg.	ABCE*
DC - SP - 4	4.0 Kg. (8.8 lbs)	9 - 11 Seconds	5 - 7 m (16 - 22ft)	Nil	controlled	6.2 Kg.	ABCE*
DC - SP - 6	6.0 Kg. (13.0 lbs)	14 - 18 Seconds	5 - 8 m (16 - 25ft)	38 cm (15 inch)	controlled	8.75 Kg.	ABCE*
DC - SP - 12	12.0 Kg. 26.0 lbs	18 - 22 Seconds	5 - 8 m (16 - 25ft)	45 cm (18 inch)	controlled	15.50 Kg.	ABCE*

<b>A</b>		<b>B</b>		<b>C</b>		<b>D</b>		<b>E</b>	
solid matters forming glowing residues e.g. wood, rubber (car tyres), paper, textiles	liquid combustible matters e.g. petrol, oils, greases, ether, alcohol	burning gases emerging under pressure e.g. propane, butane, methane, acetylene, town gas	combustible light metals e.g. lithium sodium, magnesium, calcium	fires on electrical/electronic equipment					

\* For D class fire, special type of dry powder is used.

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BARRY GROUP

# Water

A new fire extinguisher for class 'A' fire risk where soda acid fire extinguishers are being used. Being free from any acid, it is safe for the operator and non-damaging to the material.



MODEL	W - SP - 10
SPECIFICATIONS	BSS 5423
CAPACITY	10 Litres (2 gallons)
THROW	7 - 8 meters (25 - 39 feet)
DISCHARGE TIME	60 - 90 Seconds
DESIGN	Main body contains water which is pressurized by nitrogen gas. By squeezing the lever, water is released. Pressure gauge at the front indicates inside pressure.
TO OPERATE	By squeezing lever. Discharge can be interrupted.
CONSTRUCTION	2 deep drawn halves of 18 swg (1.22mm) M.S. sheet welded together.
TEST PRESSURE	25 Kg/Cm <sup>2</sup> (350 lbs per Sq. Inch)
PROTECTION	Coated internally and externally with Epoxy Polyester powder by electrostatic process and then stoved to 200°C
FINISH	Red, with instruction label.
FOR CLASS	A



## THE STORED PRESSURE TECHNOLOGY

### What Is A Stored Pressure Fire Extinguisher?

A fire extinguisher, in which the extinguishing agent and the propelling agent, are contained in one cylinder, is known as a stored pressure fire extinguisher.

In other words, there is no second cylinder or pressure cartridge to propel the fire extinguishing agent.

These extinguishers are easy to check whether they are in working condition or not, with the help of a pressure gauge fitted on the valve.

### What Does Controllable Discharge Mean?

In the obsolete models of fire extinguishers, when they were operated, they used to discharge at once. There was no provision of saving the unused chemical in the extinguisher or to stop the discharge. This was considered as a negative point because even if a little amount of extinguishing chemical was required on a small fire, all the chemical used to discharge, leading to the spoilage of even the material, not on fire.

Another point was that if those fire extinguishers were to be carried from one spot to another, like in case of two or three small fires in one room or nearby areas, they used to keep on discharging even in the way from one spot to another.

Keeping this in mind, fire extinguishers with controllable discharge were designed so that when there are fires at different spots in a small area, the operator should be able to control the discharge of the extinguisher. This conserved the extinguishing agent for the next fire spot and also stopped the spoilage of the material, not on fire.

### What Is The Function Of A Manometre (Pressure Gauge)?

A manometre is marked with two coloured zones, green & red. As long as the needle of the pressure gauge is in green zone, the extinguisher is in working condition. But if it is found to be in the red zone, it is an indication that either the fire extinguisher has been used or the pressure has dropped.

In case of dry powder fire extinguishers, when an extinguisher is used partially, and the remaining dry chemical powder is saved, the powder in the fire extinguisher settles in the gasket/washer of the valve of the extinguisher.

If this is kept for more than a few hours in the same condition, the gas in the extinguisher, that discharges the powder, keeps on escaping from the cylinder, through the cavity created in the valve of the extinguisher due to the settling of the powder. This ultimately will lead to the complete release of pressure and the needle of the gauge comes to zero. This extinguisher then needs to be recharged. This is why it is recommended, not to use these extinguishers for testing purpose.

# AFFF

Suitable for :

Fires of oil, petrol paints, varnishes and other highly inflammable liquids.



MODEL	AFFF - 10
TYPE	AFFF Foam
CAPACITY	9 Litres (2 gallons)
CONTENTS	0.57 litres of AFFF mixed with 8.5 litres of water and pressurized with compressed Air.
SPECIFICATIONS	B.S.S. 5423
OPERATING	By squeezing operating lever
DURATION OF DISCHARGE	30 - 50 Seconds.
THROW	6.7 meters (20 - 25 feet)
CONSTRUCTION	2 deep drawn halves of 18 swg (1.22 mm) M.S. sheet welded together.
TEST PRESSURE	25 Kg/Cm <sup>2</sup> (350 lbs per Sq. Inch)
PROTECTION	Special epoxy polyester powder coating by electrostatic process, on internal and external surfaces.
FINISH	Red with instructional label
FOR CLASS	A & B

## SELECTION OF RIGHT TYPE EXTINGUISHER

Type of Fire Extinguisher	خامروا یکسٹنگشر کی قسم	آگ کی قسم				
		A	B	C	D	E
Soda-acid	سوڈا ایسڈ	Yes جی ہاں	No جی نہیں	No جی نہیں	No جی نہیں	No جی نہیں
Water	پانی	Yes جی ہاں	No جی نہیں	No جی نہیں	No جی نہیں	No جی نہیں
Foam	فوم	Yes جی ہاں	Yes جی ہاں	No جی نہیں	No جی نہیں	No جی نہیں
CO <sub>2</sub>	کاربن ڈائی آکسائیڈ	No** جی نہیں	Yes جی ہاں	Yes جی ہاں	No جی نہیں	Yes جی ہاں
Dry Powder	ڈرائی پاورڈر	Yes جی ہاں	Yes جی ہاں	Yes جی ہاں	No* جی نہیں	Yes جی ہاں
BCF Halon 1211	بی سی ایف ہیلون ۱۲۱۱	Yes جی ہاں	Yes جی ہاں	Yes جی ہاں	No جی نہیں	Yes جی ہاں
Carbon Tetra Chloride	کاربن ٹیٹرا کلورائیڈ	No جی نہیں	Yes جی ہاں	No جی نہیں	No جی نہیں	Yes جی ہاں

Specification subject to change without prior notice.

\* Need Special type of dry powder

\*\* If extinguished in initial stage.