

PRESSURIZED DRY POWDER



Model: DP 1A, DP 1, DP 2, DP 3, DP 4/4.5, DP 6, DP 9, DP 12

Application

- Bristol dry chemical extinguishers are designed for protection of light and ordinary hazards. These compact and portable extinguishers are suited for both industrial and commercial fire protection needs. All extinguishers are designed to fit most wall-mounted storage cabinets. Typical applications include light manufacturing, warehousing, restaurants, office buildings, shop areas, auto repair shops, paint process areas, welding areas, machinery, apartment buildings, parking garages, aircraft servicing areas, material handling vehicles, and many others.
- Pressure type dry powder fire extinguisher, suitable for A, B, C & E fire classes such as wood, flammable liquids, gases & electric fire.
- Reliable components are carefully chosen to give maximum efficiency along with high quality agent, to achieve high performance.
- Bristol extinguishers designed and manufactured in compliance with BS 5423 & BS/EN3 3.1 & 3.3.

Features

- Seamless deep drawn container made of high tensile cold rolled sheet.
- Minimal welding points.
- Polyester resin electrostatically coated to give high quality appearance & protection against corrosion.
- High bursting pressure.
- Quality silk-screen printing with operating instruction.
- Quality machined and chrome plated brass valve with EPDM .O. ring.
- Built in pressure relief mechanism.
- Controlled discharge operation.
- Quality pressure gauge with EPDM .O. rings.
- Ease of maintenance and refilling.
- Durable components and least spare parts consumption.
- Economically priced.
- Meets or exceeds requirements of BS EN3.
- Simple operation and maintenance.
- Rechargeable.
- Manufactured of durable high quality materials.
- Choice of dry chemical agents to satisfy specific protection requirements.
- Easy-to-read pressure gauge.
- Manuals & parts lists available for training purposes.
- Also available with CO₂ cartridge operated internally for marine application.
- 1 year limited warranty from date of delivery to original end-user purchaser.

Description

- Bristol shells are produced by a single step cold deep draw process which yields a seamless steel cylinder with an extremely high tensile strength.
- Bristol's unique pre-treatment of the raw low carbon steel not only consists of a cleaning process, but also applies a special lubricant which helps keep the interior and exterior shell surfaces scratch free.
- The collar and specially preformed bottom enclosure are MIG welded to produce a smooth, high integrity weld.
- Extinguisher shells are 100% factory hydrostatically tested in excess of 600 psi (41.4 bar).
- The powder paint process used by Bristol is superior to conventional liquid based paint systems in its ability to resist blistering, cracking, fading, chipping and corrosion.
- Before the extinguisher shells are painted, they are pretreated using a special phosphate bonding process. This enhances the paint adhesion and corrosion resistance.
- The specially formulated polyester powder paint is electrostatically applied and oven cured to help ensure complete coverage and uniform paint thickness.
- Bristol extinguisher valve bodies are made from a durable brass chrome-plated and CE marked.
- Model serial numbers simplify inspection and maintenance record keeping.
- Bristol extinguishers are vacuum-filled at the factory to precise filling tolerances.
- Pressurized to 15 bar and 100% leak tested.
- Bristol's dry chemical extinguishing agents are manufactured from the high quality raw materials and are carefully blended to meet stringent performance specifications. These agents are then tested to be free-flowing, the water repellent and electrically non-conductive.
- As a final quality control step, Bristol extinguishers are randomly sampled for performance testing, which includes weight percent discharge and discharge times.

FIRE EXTINGUISHER



Agent

- A monoammonium phosphate-based agent for use of Class A (wood, paper, cloth), Class B (flammable liquids and gases), and Class C (electrical) fires.
- A potassium bicarbonate-based agent which is the most effective Bristol agent for knock-down of Class B (flammable liquids and gases) and C (electrical) fires.
- A sodium bicarbonate-based agent for use on Class B (flammable liquids and gases) and C (electrical) fires.

Standard Portable sizes

1 Kg., 2 Kg., & 3 Kg., 4/4.5 Kg., 6 Kg., 9 Kg., & 12 Kg.

Packing

Single piece cardboard boxes.

Model Specification	DP 1 A	DP 1	DP 2	DP 3	DP 4 / 4.5	DP 6	DP 9	DP 12
Fire Class	ABCE							
Extinguishing Agent	ABCE Dry Chemical Powder							
Capacity (KG)	1	2	2	6	4.5	6	9	12
Discharge Time (sec)	6	6	9	14	17	20	23	32
Operating Temp Range(°C)	From -20 °C to + 60 °C							
Propelling gas	Nitrogen							
Test Data (bar) Working Pressure	12 to 15 bar							
Test pressure	25 to 30 bar							
Dimensions and Weights Overall height (mm)	360	290	340	340	465	510	545	605
Certification BUREAU VERITAS Certificate Reference No.	DBA 4.99.445/2	DBA 4.99.445/7	DBA 4.99.445/8	DBA 4.99.445/9	DBA 4.99.445/9	DBA 4.99.445/13	DBA 4.99.445/1	DBA 4.99.445/14

Kitemark approved

Model	DP 1	DP 2	DP 4	DP 6	DP 9	DP 12
Capacity (Kg)	1	2	4	6	9	12
Cylinder Diameter (mm)	86	120	140	161	190	190
Cylinder Height (mm)	250	280	378	425	460	510
Cylinder Volume (l)	0.7	1.2	1.8	2.6	3.4	3.6
Cylinder weight (Kg)	7.27	11.67	12.17	16	18.43	24.9
Fire Rating	5A & 34B	13A & 70B	21A & 113B	27A & 183B	34A & 233B	43A & 233B
Extinguisher Weight (Kg)	2.1	3.6	6.5	9.3	13.9	16.4
Packing Size (L-W-H) (mm)	130 x 130 x 300		150 x 180 x 480	170 x 200 x 540	200x 220 x 550	200x 220 x 630
Working Pressure (Bar)	12 to 15					
Test Pressure	25 to 30					
Operation Temperature	-20 °C to +60 °C					



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