

# TECHNICAL DATA SHEET



## BC DRY CHEMICAL POWDER FIRE EXTINGUISHER 2KG

Applicable Class of fire - B, C and electrically started fires.

**Brief description:** These extinguishers come with nominal charge of 2 kg ( $\pm 2\%$ ) dry powder, A lightweight and portable extinguisher with BC dry powder. It features a durable SS body, pressure gauge, and wall-mount bracket. Ideal for temperatures from  $-10^{\circ}\text{C}$  to  $+60^{\circ}\text{C}$ .

### 1. GENERAL DATA :-

|                   |                                                 |
|-------------------|-------------------------------------------------|
| Manufacturer      | Palladium Safety Solutions Pvt. Ltd.            |
| Trade Mark/Brand  | "PALEX"                                         |
| BIS Standard Code | IS 15683:2018                                   |
| Model No.         | PSS-DCPFE-2                                     |
| Type              | Portable Fire Extinguisher Stored Pressure Type |



### 2. PERFORMANCE DATA :-

|                          |                                                                                                                                                                                                                             |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Capacity                 | 2KG                                                                                                                                                                                                                         |
| Fire Rating              | 21B (Class "A" – Solid Fuel. Class "B" – Liquid Fuel)                                                                                                                                                                       |
| Performance requirements | Min. Effective discharge time : 8 Sec. ( <b>Actual : 9 Sec. Approx.</b> )<br>Min. Bulk range of discharge : 2 Mtr. ( <b>Actual : 2 Mtr. Approx.</b> )<br>Min. Percentage of discharge : 85% ( <b>Actual : 96% Approx.</b> ) |
| Working Temperature      | (-) $10^{\circ}\text{C}$ To (+) $60^{\circ}\text{C}$                                                                                                                                                                        |
| Service Pressure         | 15 BAR                                                                                                                                                                                                                      |
| Hydraulic Test Pressure  | 35 BAR                                                                                                                                                                                                                      |

### 3. MATERIAL OF CONSTRUCTION :-

|                     |                                                            |
|---------------------|------------------------------------------------------------|
| Body                | Stainless Steel 304                                        |
| Extinguishing Media | Sodium / Potassium Bi Carbonate confirming to IS 4308:2019 |
| Neck Ring           | Stainless Steel 304, Female Threaded (Filling Dia – 29mm)  |
| Valve               | Brass – Male Threaded, Squeeze Grip Type                   |
| Syphon Tube         | PVC / Plastic                                              |
| Pressure Gauge      | As per IS 15683:2018                                       |
| Discharge Nozzle    | PVC                                                        |

#### 4. QUALITY TEST :-

|                                   |                                                                                                           |
|-----------------------------------|-----------------------------------------------------------------------------------------------------------|
| Hydro Pressure Test (Pt)          | 35 bar (3.5 MPa) Hold for 1 min.                                                                          |
| Min. Burst pressure (Pb) for body | 55 bar (5.5 MPa) Hold for 1 min.                                                                          |
| Leakage test                      | Inverted glass jar / Soap solution                                                                        |
| Partial discharge                 | The second pressure or weight shall not be less than 75% of the first after interruption of the Discharge |

#### 5. DIMENSIONS :-

|                                     |                                |
|-------------------------------------|--------------------------------|
| Diameter                            | 106mm $\pm$ 2mm                |
| Height                              | 355mm $\pm$ 2 mm               |
| Thickness                           | Made up from 1.2mm Thick Sheet |
| Full / Gross Weight of Extinguisher | 3.3KG $\pm$ 2% (Approx.)       |

#### 6. Anti – Corrosion Treatment :-

The Extinguisher Undergo a 7-tank Anti-Corrosion Process, Followed by an Epoxy Powder Coating, Which is no Less than 50 Microns in Thickness.

#### 7. MISCELLEANEOUS :-

|                                 |                                  |
|---------------------------------|----------------------------------|
| Inspection & testing            | As per approved QAP              |
| Finish                          | PO Red as per IS : 5 (Shade 538) |
| Marking                         | As per IS 15683:2018             |
| Approvals                       | BIS (BUREAU OF INDIAN STANDARD)  |
| Maintenance, care and refilling | As per IS 2190                   |

#### 8. PACKING :-

|           |                       |
|-----------|-----------------------|
| Box Type  | Corrugated Boxes      |
| Dimension | 125mm X 125mm X 380mm |

#### 9. IN BOX ACCESSORIES:-

|                       |       |
|-----------------------|-------|
| Wall Mounting Bracket | 1 Nos |
| Fire Extinguisher     | 1 No  |

**PALLADIUM SAFETY SOLUTIONS PVT. LTD.**

An ISO 9001 : 2015 Certified Company

Email: [customercare@palladiumss.com](mailto:customercare@palladiumss.com) Web: [www.palladiumss.com](http://www.palladiumss.com)

**DELHI I GURUGRAM I CHENNAI**