

# TECHNICAL DATA SHEET



## CLEAN AGENT FIRE EXTINGUISHER 6KG

Clean Agent Type Fire Extinguisher Applicable Class of fire - A, B, C and electrically started fires.

**Brief description:** PALEX Clean Agent Fire Extinguishers filled with FK5-1-12 gas, which is totally Electrically non conductive and colourless. Extinguisher with nominal charge of 6kg ( $\pm 5\%$ ) constructed of SS Sheet and brass forged discharge Valve.

### 1. GENERAL DATA :-

|                   |                                                 |
|-------------------|-------------------------------------------------|
| Manufacturer      | Palladium Safety Solutions Pvt. Ltd.            |
| Trade Mark/Brand  | “PALEX”                                         |
| BIS Standard Code | IS 15683:2018                                   |
| Type              | Portable Fire Extinguisher Stored Pressure Type |



### 2. PERFORMANCE DATA :-

|                          |                                                                                                                                                                                                                                 |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Capacity                 | 6KG                                                                                                                                                                                                                             |
| Fire Rating              | 2A, 55B (Class “A” – Solid Fuel, Class “B” – Liquid Fuel)                                                                                                                                                                       |
| Performance requirements | Min. Effective discharge time : 13 Sec. ( <b>Actual : 24 Sec. Approx.</b> )<br>Min. Bulk range of discharge : 2 Mtr. ( <b>Actual : 4.5 Mtr. Approx.</b> )<br>Min. Percentage of discharge : 85% ( <b>Actual : 97% Approx.</b> ) |
| Working Temperature      | (-) 30°C To (+) 60°C                                                                                                                                                                                                            |
| Service Pressure         | 15 BAR                                                                                                                                                                                                                          |
| Maximum Service Pressure | 17 BAR                                                                                                                                                                                                                          |

### 3. MATERIAL OF CONSTRUCTION :-

|                       |                                         |
|-----------------------|-----------------------------------------|
| Body                  | S.S. 304 (Made up of 1.2 mm thickness)  |
| Extinguishing Media   | FK5-1-12 Clean Agent Gas                |
| Neck Ring             | S.S. 304 (Filling dia – 29mm)           |
| Valve                 | Brass, Squeeze Grip Type                |
| Discharge Hose        | Rubber Braided EPDM Hose (Length:450mm) |
| Discharge Nozzle      | PVC                                     |
| Syphon Tube           | PVC / Plastic                           |
| Pressure Gauge        | As per IS 15683:2018                    |
| Wall mounting Bracket | Mild Steel Powder Coated                |

#### 4. QUALITY TEST :-

|                          |                                                                                                           |
|--------------------------|-----------------------------------------------------------------------------------------------------------|
| Hydro Pressure Test (Pt) | 35 BAR                                                                                                    |
| Burst Pressure Test (Pb) | 55 BAR                                                                                                    |
| 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                            | 150mm $\pm$ 2mm                |
| Height                              | 470mm $\pm$ 2mm                |
| Thickness                           | Made up from 1.2mm Thick Sheet |
| Full / Gross Weight of Extinguisher | 8.3KG $\pm$ 2% (Approx.)       |

#### 6. ANTI – CORROSION TEST :-

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. MISCELLENEOUS :-

|                                 |                                  |
|---------------------------------|----------------------------------|
| 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 | 175mm X 175mm X 512mm |

#### 9. IN BOX ACCESSORIES:-

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

**PALLADIUM SAFETY SOLUTIONS PVT. LTD.**

An ISO 9001 : 2015 Certified Company

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**DELHI I GURUGRAM I CHENNAI**