

# TECHNICAL DATA SHEET



## WET CHEMICAL (K CLASS) FIRE EXTINGUISHER 4LTR

Wet Chemical stored pressure 4 ltr. Fire Extinguishers applicable on Class A and K class fires.

**Brief description:** Lightweight, durable, and compliant with safety standards. Wet chemical type Fire Extinguishers with nominal charge of 4 ltr ( $\pm 5\%$  by volume). Constructed of **MS** made up to **1.2mm**. Approved Fire Rating 15F with an effective throw of about 4meter and discharge about 97%.

### 1. GENERAL DATA :-

|                  |                                                 |
|------------------|-------------------------------------------------|
| Manufacturer     | Palladium Safety Solutions Pvt. Ltd.            |
| Trade Mark/Brand | “PALEX”                                         |
| Type             | Portable Fire Extinguisher Stored Pressure Type |



### 2. PERFORMANCE DATA :-

|                          |                                                                                                                                                                      |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Capacity                 | 4LTR                                                                                                                                                                 |
| Fire Rating              | 15F, (Class “K” – Kitchen related Fuel.)                                                                                                                             |
| Performance requirements | Min. Effective discharge time : <b>25 Sec. Approx.</b><br>Min. Bulk range of discharge : <b>4 Mtr. Approx.</b><br>Min. Percentage of discharge : <b>97% Approx.)</b> |
| Working Temperature      | (+) 5°C To (+) 60°C                                                                                                                                                  |
| Service Pressure         | 15 BAR                                                                                                                                                               |
| Maximum Service Pressure | 17 BAR                                                                                                                                                               |

### 3. MATERIAL OF CONSTRUCTION :-

|                          |                                                                                         |
|--------------------------|-----------------------------------------------------------------------------------------|
| Body                     | MS Sheet (Low Carbon Welded Sheet Having max. of 0.25% C, 0.05% P and 0.05% S (IS 513)) |
| Extinguishing Media      | Wet Chemical (4liter)                                                                   |
| Neck Ring                | MS pipe, Female Threaded, (Filling Dia – 29mm)                                          |
| Valve                    | Brass – Male Threaded, Squeeze Grip Type                                                |
| Syphon Tube              | PVC / Plastic                                                                           |
| Hose Pipe                | PVC Braided (450mm $\pm$ 10mm)                                                          |
| Pressure Guage/Indicator | As per IS 15683:2018                                                                    |
| Discharge Nozzle         | PVC                                                                                     |
| Wall Mounting Bracket    | Powder Coated Mild steel                                                                |
| Safety Pin               | Aluminium                                                                               |

#### 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                          | 150mm $\pm$ 5mm                |
| Height                            | 400mm $\pm$ 10 mm              |
| Thickness                         | Made up from 1.2mm Thick Sheet |
| Full/Gross Weight of Extinguisher | 6.7 $\pm$ 2% (Approx.)         |

#### 6. Anti – Corrosion Treatment :-

Phosphate Treatment followed by epoxy powder coating of body, DFT not less than 50 micro.

#### 7. MISCELLENEOUS :-

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

#### 8. PACKING :-

|           |                       |
|-----------|-----------------------|
| Box Type  | Corrugated Boxes      |
| Dimension | 162mm X 162mm X 475mm |

#### 9. IN BOX ACCESSORIES:-

|                       |                        |
|-----------------------|------------------------|
| Wall Mounting Bracket | 1 Nos                  |
| Fire Extinguisher     | 1 No (Fully Assembled) |

**PALLADIUM SAFETY SOLUTIONS PVT. LTD.**

An ISO 9001 : 2015 Certified Company

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