

## WATER MIST STORED PRESSURE 2 LTR FIRE EXTINGUISHER

Applicable Class of fire - A, B, C, F & Electrically started fire.

**Brief description:** These extinguishers come with nominal charge of 2 Ltr (+5%) DM water & AFFF agent. Body constructed of MS Sheet by MIG Welding process and brass forged discharge Valve with SS lever, Internally plastic coated & Externally epoxy powder coated.



Client :

PO Number :

### 1. GENERAL DATA

|                   |                               |
|-------------------|-------------------------------|
| Manufacturer      | : Kanadia Fyr Fyter Pvt. Ltd. |
| Trade Mark        | : "KANEX"                     |
| BIS standard code | : IS 15683:2018               |
| Type              | : Portable Stored Pressure    |

### 2. MATERIAL OF CONSTRUCTION

|                                   |                                                                         |
|-----------------------------------|-------------------------------------------------------------------------|
| Extinguishing medium              | : De Mineralized water + AFFF agent                                     |
| Body                              | : Mild Steel Sheet having Max. of 0.25% C, 0.05% P and 0.05% S (IS 513) |
| Neck Ring                         | : MS Pipe - M30x1.5 Female threaded                                     |
| Valve                             | : Brass - M30x1.5 Male threaded                                         |
| Breathing & Discharge siphon tube | : PVC / Plastic                                                         |
| Filter with rotor                 | : PVC / Plastic                                                         |
| Pressure gauge / indicator        | : As per IS 15683:2018                                                  |
| Discharge hose                    | : Rubber braided hose ( Burst pressure $\geq$ 55 bar )                  |
| Discharge nozzle                  | : PP Plastic                                                            |
| Wall mounting bracket with screw  | : MS - Zinc plated                                                      |

### 3. PERFORMANCE DATA

|                          |                                                                                                                                                                                                                             |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Fire rating              | : 1A : 34B : 5F                                                                                                                                                                                                             |
| Performance requirements | : <b>Min. Effective discharge time</b> : 8 Sec. ( Actual : 15 Sec. Approx.)<br><b>Min. Bulk range of discharge</b> : 2 Mtr. ( Actual : 3 Mtr. Approx.)<br><b>Min. Percentage of discharge</b> : 95% ( Actual : 97% Approx.) |
| Temperature Range        | : +5° to +60° C                                                                                                                                                                                                             |
| Service pressure         | : 15 bar                                                                                                                                                                                                                    |
| Max. service pressure    | : 18 bar                                                                                                                                                                                                                    |

### 4. ROUTINE TESTS

|                                   |                                                                                                             |
|-----------------------------------|-------------------------------------------------------------------------------------------------------------|
| 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. TYPE TESTS

: As per IS 15683:2018

### 6. DIMENSIONS

|                             |                                    |
|-----------------------------|------------------------------------|
|                             | : <b>Diameter</b> : 130 $\pm$ 5 mm |
|                             | : <b>Height</b> : 390 mm Approx.   |
| Thickness of sheet          | : Made up from 2.0mm thick sheet   |
| Full weight of extinguisher | : 4.24 kg (Approx.)                |

### 7. ANTI-CORROSIVE TREATMENT

: Phosphate treatment followed by epoxy powder coating of body DFT not less than 50 Micron & Internally plastic coating

### 8. MISCELLENEOUS

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

### 9. IN BOX ACCESSORIES

: Wall mounting bracket with screw

### 10. PACKING

: Corrugated boxes

|                  |                                                    |
|------------------|----------------------------------------------------|
| IF IN DOUBT ASK. | ALL DIMENSIONS ARE IN mm. UNLESS OTHERWISE STATED. |
|------------------|----------------------------------------------------|