

Specifications

Indented Product:

Ceiling mounted Automatic modular fire extinguisher inert gas based, stand alone type.

Description:

Supply, Installation & refilling of Ceiling Mounted Automatic Modular Suppression Systems using heat sensing quartzoid bulb detection for the suppression of fires in a compartment or small room. Ceiling mounted inert gas based extinguisher which will discharge the contents automatically in case of fire at a designated temperature rise.

Automatic actuation:

Detects fire through thermal sensor and activates automatically.

Classes of Fire: A, B, C, and electrically started fires.

Capacity: 5 kg

Dimensions : Height: 200 to 300 mm (approx.)

Weight : 7.6 kg (approx.)

Certification/Marking

Fire Extinguisher should be BIS approved/ISI marked.

Anti Corrosive Treatment : Not less than 50 micron.

Heat Detection Sensing : Quartzoid bulb detection.

Bulb burst temperature : 65°C to 68°C.

Type of extinguisher : Self Activation.

Extinguishing Medium: Clean Agent : FK-5-1-12

(chemically known as Dodecafluoro-2-methylpentan-3-one which should have following properties)

- a) Colorless, odorless, non-conductive gas
- b) Safe for humans at appropriate design concentration
- c) Zero ozone depletion potential
- d) Very low global warming potential (GWP around 1)
- e) Leaves no residue, safe for OT, ICU (no damage to equipment)
- f) Suppresses fire by absorbing heat

Service pressure : 15 bar approx.

Max service pressure : 18 bar approx.

Pressure test : 36 bar (3.5 MPa), hold for 2.5 minutes approx.

Minimum Burst Pressure Test : 55 bar (5.5 MPa), hold for 1 minute.

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Effective Discharge time : 8 to 15 seconds approx

Area coverage : Minimum 3.5 square meters

Minimum percentage of discharge : At least 95%

Ceiling Mounted Stand : To be provided & preferably MS powder coated

Pressure gauge/indicators: should be available as per standard

Brass Valve : Forged brass

Colour Finish : Red

In Box Accessories:

Ceiling mounting bracket and other necessary mounting items

Warranty:

3 years along with refilling as and when required

Additional terms:

Includes supply and installation on ceiling free of charge.

Service personnel to attend within 48 hours in case of repair/breakdown.

CAMC : For 5 years after warranty including maintenance care & refilling

Inspection :

Inspection by RITES Ltd.

NB : Installation to be provided by vendor-nominated engineer/technician

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