

ABC DRY POWDER MAP-90% - 2 KG MODULAR FIRE EXTINGUISHER

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

Brief description: These extinguishers come with nominal charge of 2 kg (±2%) dry powder, Constructed of MS Sheet by MIG Welding process and brass forged sprinkler type Valve, Internally & Externally epoxy powder coated.

Client :

PO Number :



1. GENERAL DATA

Manufacturer	: Kanadia Fyr Fyter Pvt. Ltd.
Trade Mark	: "KANEX"
Type	: Ceiling mounted automatic modular

2. MATERIAL OF CONSTRUCTION

Extinguishing medium	: Mono Ammonium Phosphate (MAP-90%) dry powder (IS 4308:2019)
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 forged - M30x1.5 Male threaded - Sprinkler type
Sensing element	: Glass bulb - 68°C
Pressure gauge / indicator	: As per IS 15683:2018
Ceiling mounting stand with screw	: MS Powder coated

3. PERFORMANCE DATA

Performance requirements	: Effective discharge time : 4 - 5 Sec. Approx. : Height of mounting : 1.5 Mtr Approx. : Area coverage : 1 - 1.5 M ² . Approx. : Volume coverage : 3 M ³ Approx. : Min. Percentage of discharge : 95%
Temperature Range	: -30° 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. DIMENSIONS

	: Diameter : 150 ± 10 mm
	: Height : 380 mm Approx.
Thickness of sheet	: Made up from 2mm thick sheet
Full weight of extinguisher	: 3.6kg (Approx.)

6. ANTI-CORROSIVE TREATMENT

	: Phosphate treatment followed by epoxy powder coating of body DFT not less than 50 Micron
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7. MISCELLANEOUS

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

8. IN BOX ACCESSORIES

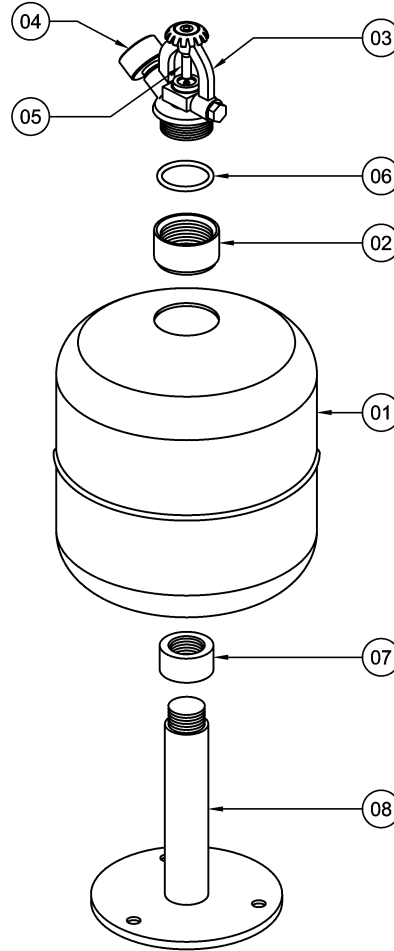
	: Ceiling mounting bracket with screw
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9. PACKING

	: Corrugated boxes (Outer box sizes: 170x170x275mm)
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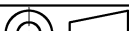
MARKING : ---		
APPROVAL : ---		
DESIGN DATA		
SR. NO.	PARTICULARS	DESCRIPTION
01	CAPACITY	2 KG $\pm$ 2%
02	BULB BURST TEMPERATURE	68°C
03	SERVICE PRESSURE	15 bar
04	MAX. SERVICE PRESSURE	18 bar
05	PRESSURE TEST (PT)	35 bar HOLD FOR 1 min.
06	MIN. BURST PRESSURE TEST (PB)	55 bar HOLD FOR 1 min.
PERFORMANCE PARAMETERS		
01	EFFECTIVE DISCHARGE TIME	4-5 sec. aprx.
02	AREA COVERAGE	1-1.5 M ²
03	VOLUME COVERAGE	3 M ³
04	PERCENTAGE OF DISCHARGE	NOT LESS THAN 95%

09	EXTINGUISHING MEDIUM	MAP 90% POWDER CONFIRMS TO IS 4308:2019	02
08	CEILING MOUNTING STAND WITH SCREW	MS POWDER COATED	01
07	BOTTOM NECKRING FOR STAND MOUNTING	MS	01
06	"O" RING	NITRILE RUBBER	01
05	SENSING ELEMENT	GLASS BULB - 68° C	01
04	PRESSURE GAUGE / INDICATOR	AS PER IS 15683:2018	01
03	VALVE	BRASS - M30 X 1.5 MALE THREADED	01
02	NECK RING	MS PIPE - M30 X 1.5 FEMALE THREADED	01
01	BODY	MS SHEET HAVING MAX. C=0.25%, P=0.05%, S=0.05% (CONFIRMS TO IS:513)	01
ITEM NO.	DESCRIPTION	MATERIAL	QTY.



MODEL NO. : KMPRQ-2-90%



						DATE	NAME
						DRAWN	01/08/19 MEHUL
						CHECK.	
						APPD.	
SYMBOL	REVISION DESCRIPTION			DATE	BY	 KANADIA FYR FYTER PVT. LTD. (AN ISO 9001:2015 CERTIFIED COMPANY) 7-8 PARAS INDUSTRIAL ESTATE, NEAR GARIBSHAH PIR, SIHOR(364240), GUJ.	
TITLE : ABC DRY POWDER MAP-90% (STORED PRESSURE) 2 KG MODULAR FIRE EXTINGUISHER							
 GAD NO. : KFFPL/GAD/KMPRQ-2-90%							
SCALE : NTS						SHEET : 1 OF 1	