MECHANICAL FOAM (AFFF 6%) CARTRIDGE PRESSURE 9 LTR FIRE EXTINGUISHER



Applicable Class of fire - A & B

Brief description: These extinguishers come with nominal charge of 9 Ltr (+5%) DM Water and 6% AFFF agent & CO2 gas cartridge of 90 grams as per IS:4947. Body is constructed of MS Sheet by MIG Welding process and brass forged discharge Valve, Internally plastic coated & Externally epoxy powder coated.

1	**GENERAL DATA**		
	Manufacturer	:	Intime Fire Appliances Pvt. Ltd.
	Trade Mark	:	"**INTIME**"
	BIS standard code	:	IS 15683:2018
	Type	:	Portable Cartridge Operated
2	**MATERIAL OF CONSTRUCTION**		
	Extinguishing medium	:	DM water + 6% AFFF agent (IS:4989 complied)
	Body	:	Mild Steel Sheet having Max. of 0.25% **C**, 0.05% **P** and 0.05% **S (IS 513)**
	Neck Ring	:	MS Pipe – M74x2.0 Male threaded
	Valve	:	Brass – M74x2.0 Female threaded
	CO2 gas cartridge	:	90 gram constructed as per IS:4947
	siphon tube with filter	:	PVC / Aluminum
	Discharge hose	:	Rubber braided EPDM (Burst pressure ≥ 55 bar)
	Discharge nozzle	:	PVC / Aluminum
	Wall mounting bracket	:	MS Powder coated / Chrome Plated
3	**PERFORMANCE DATA**		
	Fire rating	:	4A : 144B
	Performance requirements	:	**Min. Effective discharge time** : 15 Sec. (Actual : 35 Sec. Approx.)
		:	**Min. Bulk range of discharge** : 2 Mtr. (Actual : 5.6 Mtr. Approx.)
		:	**Min. Percentage of discharge** : 95% (Actual : 98% 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 2.5 min.
	Min. Burst pressure (Pb) for body	:	55 bar (5.5 MPa) Hold for 1 min.
	Leakage test	:	By dipping into water for cartridges only
	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**	:	**Diameter** : 180 ± 10 mm
		:	**Height** : 590 ± 10 mm Approx.
	Thickness of sheet	:	Made up from 1.5 mm thick sheet
	Full weight of extinguisher	:	14.5kg (Approx.)
7	**ANTI-CORROSIVE TREATMENT**	:	Phosphate treatment followed by epoxy powder coating of body DFT not less than 50 Micron & Internally plastic coating
8	**MISCELLEANEOUS**		
	Inspection & testing	:	As per approved QAP
	Finish	:	PO Red as per IS : 5 (Shade 538)
	Marking	:	As per IS 15683:2018
	Approvals	:	BIS / PED / IRS
	Maintenance, care and refilling	:	As per IS 2190
9	**IN BOX ACCESSORIES**	:	Wall mounting bracket
10	**PACKING**	:	Corrugated boxes

MARKING: AS PER IS 15683:2018

APPROVAL : PED / BIS - ISI MARKED

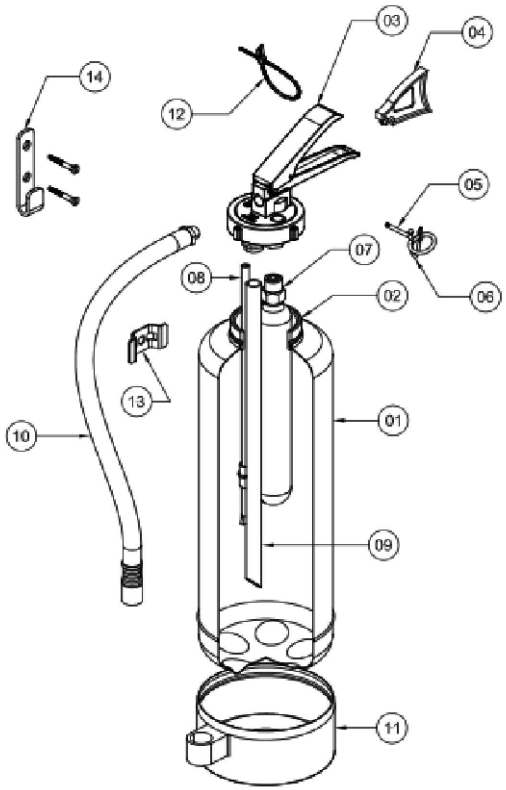
DESIGN DATA

SR. NO	PARTICULARS	DESCRIPTION
01	CAPACITY	9 KG ± 2%
02	TEMPERATURE RANGE	+5°C TO -60°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

SR. NO	PARTICULARS	DESCRIPTION
01	EFFECTIVE DISCHARGE TIME	MIN. 15 SEC. (Actual: 35 sec. aprx.)
02	BULK RANGE OF DISCHARGE	MIN. 2 METER (Actual: 6 meter aprx.)
03	PERCENTAGE OF DISCHARGE	NOT LESS THAN 95% (Actual: 97% aprx.)
04	FIRE RATING	4A /144B

HARD PUNCH MARKING
INTIME YEAR PT 35 BAR T +5°C / -60°C XXXXX 9 KG (SERIAL NO.)





15	EXTINGUISHING MEDIUM	DISTILLED WATER + AFFF FOAM 6% (IS 4308 CONFIRMED)	09
15	WALL MOUNTING BRACKET WITH SCREW	MS POWDER COATED	01
14	"C" CLIP	MS	01
13	BASE	HDPE	01
12	SEAL	PP PLASTIC	01
11	DISCHARGE NOZZLE	PVC / PLASTIC	01
10	DISCHARGE HOSE	RUBBER BRAIDED EPDM HOSE WITH PVC NOZZLE(BURST PRESSURE >55 bar)	01
09	CO2 GAS CARTAGE	60 GRAM AS PER IS:4947	01
08	STRAINER	SS	01
07	SIPHON TUBE WITH FILTER	PVC / PLASTIC	01
06	SAFETY PIN HOLDER	RUBBER / SOFT PVC	01
05	SAFETY PIN	SS	01
04	LEAVR LOCK	PP PLASTIC	01
03	VALVE	BRASS - M74 X 2 FEMALE THREADED	01
02	NECK RING	MS PIPE - M74 X 2 MALE THREADED	01
01	BODY	MS SHEET HAVING MAX. C=0.25%, P=0.05%, S=0.05% (CONFIRMS TO IS:513)	01
SR. NO	DESCRIPTION	MATERIAL	QTY.

					DATE	NAME
				DRAWN	22.12.22	VIJAY
				CHECK	22.12.22	SHEKHAR
				APP	22.12.22	AM
SYMBOL	REVISION DECRIPTION	DATE	BY			

TITLE :

MECHANICAL FOAM (CARTAGE PRESSURE)
9 KG FIRE EXTINGUISHER

GAD NO. : INTIME-TDS-MF-9-AFFF-CT

INTIME FIRE APPLIANCES PVT LTD
R.O. : 21/A, Ghanshyam Industrial Estate, Veera Desai Road, Andheri (W), Mumbai - 400053. Telephone : +91 22 2673 1828/ 2673 1852/ 4601 4392
WORKS: D-24/6, TTC Industrial Area, MIDC, Turbhe, Navi Mumbai - 400705. Telefax: 27634433 / 64512311 / 64523611.

SCALE : NTS | SHEET : 1 OF 1