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



Applicable Class of fire - A & B

Brief description: These extinguishers come with nominal charge of 9 Ltr DM water and 6% AFFF agent. Body 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 Stored Pressure
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 - M30x1.5 Female threaded
	Valve	:	Brass - M30x1.5 Male threaded
	Siphon tube	:	PVC / Aluminium
	Pressure gauge / indicator	:	As per IS 15683:2018
	Discharge hose	:	Rubber braided EPDM hose (Burst pressure ≥ 55 bar)
	Discharge nozzle	:	PVC / Aluminium
	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 : 6 Mtr. Approx.)
		:	**Min. Percentage of discharge** : 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 2.5 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**	:	Diameter : 180 ± 10 mm
		:	Height : 590 ± 10 mm Approx.
	Thickness of sheet	:	Made up from 1.5 mm
	Full weight of extinguisher	:	14.5 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	**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
	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 MARKED

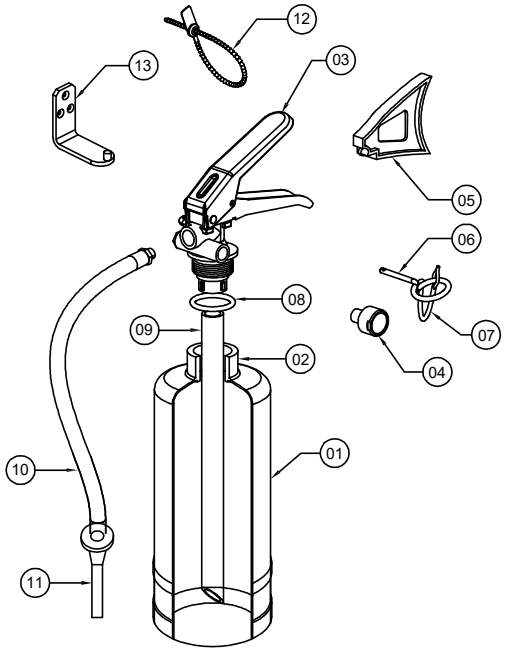
DESIGN DATA

SR. NO	PARTICULARS	DESCRIPTION
01	CAPACITY	9 Ltr
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 2.5 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 CE 1128





SR. NO	DESCRIPTION	MATERIAL	QTY.
14	EXTINGUISHING MEDIUM	DISTILLED WATER + AFFF FOAM 6% (IS 4989 CONFIRMED)	09
13	WALL MOUNTING BRACKET	MS POWDER COATED / CHROME PLATED	01
12	SEAL	PP PLASTIC	01
11	DISCHARGE NOZZLE	PVC / ALUMINUM	01
10	DISCHARGE HOSE	RUBBER BRAIDED EPDM HOSE WITH PVC NOZZLE(BURST PRESSURE >55 bar)	01
09	SIPHON TUBE WITH FILTER	PVC / ALUMINUM	01
08	"O" RING	NTRIL RUBBER	01
07	SAFETY PIN HOLDER	RUBBER / SOFT PVC	01
06	SAFETY PIN	MS CHROME PLATED	01
05	LEAVR LOCK	PP PLASTIC	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

					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 (STORED PRESSURE)
9 KG FIRE EXTINGUISHER

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

SCALE : NTS | SHEET : 1 OF 1

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