MECHANICAL FOAM (AFFF 6%) STORED PRESSURE TROLLEY MOUNTED 25 LTR FIRE EXTINGUISHER



Applicable Class of fire - A & B

Brief description: These extinguishers come with nominal charge of 25 Ltr DM water & 6% AFFF agent, Constructed of MS Sheet by MIG Welding process and brass forged Valve, Internally & Externally epoxy powder coated.

1	**GENERAL DATA**		
	Manufacturer	:	Intime Fire Appliances Pvt. Ltd.
	Trade Mark	:	"**INTIME**"
	BIS standard code	:	As per IS 16018:2012
	Type	:	Mobile Trolley mounted
2	**MATERIAL OF CONSTRUCTION**		
	Extinguishing medium	:	DM water + 6% AFFF agent (IS:4989 complied)
	Body	:	Mild Steel Sheet as per IS:2062
	Neck Ring	:	MS Pipe confirms to IS:1239
	Valve	:	Brass confirms to IS:319 / IS 6912
	Siphon tube	:	MS pipe confirms to IS:1239
	Propellant	:	High grade dry Nitrogen
	Discharge hose	:	PVC braided (Burst pressure 54 bar) hose
	Discharge nozzle	:	Aluminum (IS:617) / PVC air aspirated nozzle
	Trolley wheel	:	Solid rubber / HDPE
	Carrying handle	:	MS pipe
3	PERFORMANCE DATA		
	Fire rating	:	20A : 233B
	Performance requirements	:	Min. Effective discharge time : 30 Sec. (Actual : 120 Sec. Approx.)
		:	Min. Bulk range of discharge : 6 Mtr. (Actual : 8 Mtr. Approx.)
		:	Min. Percentage of discharge : 90%
	Temperature Range	:	+5° to +55° C
	Service pressure / Expansion space	:	15 bar
	Max. service pressure	:	18 bar
4	ROUTINE TESTS		
	Hydro Pressure Test (Pt)	:	35 bar (3.5 MPa) Hold for 60 sec.
	Min. Burst pressure (Pb) for body	:	55 bar (5.5 MPa) Hold for 60 sec.
5	**TYPE TESTS**	:	As per IS 16018:2012
6	**DIMENSIONS**	:	Diameter : 300 ± 20 mm
		:	Height : 800 ± 20 mm Approx.
	Thickness of sheet	:	Made up from 3 mm thick sheet
	Filler opening	:	46 mm
	Full weight of extinguisher	:	65 kg (Approx.)
7	**ANTI-CORROSIVE TREATMENT**	:	Phosphate treatment followed by epoxy powder coating of body DFT not less than 50 Micron
8	**MISCELLEANEOUS**		
	Inspection & testing	:	As per approved QAP
	Finish	:	As per IS : 5 (Shade 536 / 538)
	Marking	:	As per IS 16018:2012
	Approvals	:	PED
	Maintenance, care and refilling	:	As per IS 2190
9	**PACKING**	:	Corrugated paper & suitable jute bags

MARKING: AS PER IS 16018 : 2012

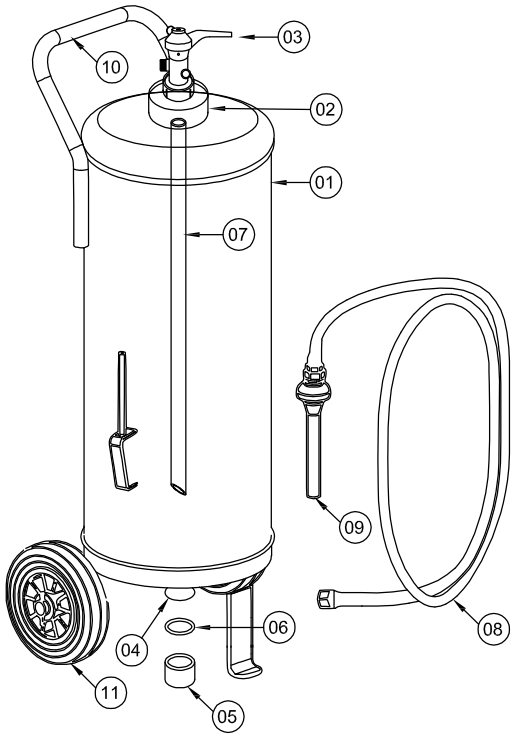
APPROVAL : PED APPROVED

DESIGN DATA

SR. NO	PARTICULARS	DESCRIPTION
01	CAPACITY	25 LTR
02	TEMPERATURE RANGE	+5°C TO +55°C
03	SERVICE PRESSURE	15 bar
04	MAX. SERVICE PRESSURE	18 bar
05	PRESSURE TEST (PT)	30 bar HOLD FOR 60 Sec.
06	MIN. BURST PRESSURE TEST (PB)	55 bar HOLD FOR 60 Sec.

PERFORMANCE PARAMETERS

SR. NO	PARTICULARS	DESCRIPTION
01	EFFECTIVE DISCHARGE TIME	MIN. 30 SEC. (Actual: 120 sec. aprx.)
02	BULK RANGE OF DISCHARGE	MIN. 6 METER (Actual: 8 meter aprx.)
03	PERCENTAGE OF DISCHARGE	NOT LESS THAN 90%
04	FIRE RATING	20A : 233B





Ø300 mm ±20
(Approx)

SR. NO	DESCRIPTION	MATERIAL	QTY.
09	EXTINGUISHIN MEDIUM	DISTILLED WATER+ AFFF FOAM 6% (IS:4989 COMPLIED)	45
08	TROLLEY WHEEL	SOLID RUBBER / HDPE	02
07	CARRYING HANDALE	MS	01
06	DISCHARGE NOZZLE	ALUMINUM IS:617 / PVC PVC AIR ASPIRATED NOZZLE	01
05	DISCHARGE HOSE	PVC BRAIDED (BURST PRESSURE 54 bar)	01
04	SIPHON TUBE	MS PIPE AS PER IS:1239	01
03	VALVE	BRASS AS PER IS:319 IS:6912	01
02	NECK RING	MS PIPE - MALE THREADED AS PER IS:1239	01
01	BODY	MS SHEET AS PER IS:2062	01

					DATE	NAME
				DRAWN	06.06.24	VIJAY
				CHECK	06.06.24	VISHAL
				APP	06.06.24	AM
SYMBOL	REVISION DECRIPTION	DATE	BY			

TITLE :
MECHNICAL FOAM AFFF 6% TROLLEY MOUNTED
STORED PRESSURE 25 LTR FIRE EXTINGUISHER

GAD NO. : INTIME-AFFF-25-TR-SP

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SCALE : NTS | SHEET : 1 OF 1