WATER TROLLEY MOUNTED INSIDE CARTRIDGE 45 LTR FIRE EXTINGUISHER

Applicable Class of fire - A

Brief description: These extinguishers come with nominal charge of 45 Ltr DM water Constructed of MS Sheet by MIG Welding process and brass forged plunger type cap, Internally & Externally epoxy powder coated. As a propellant it is provided with CO2 300 grams cartridge (Confirms to IS:4947).



1	**GENERAL DATA**		
	Manufacturer	:	Intime Fire Appliances Pvt. Ltd.
	Trade Mark	:	”**INTIME**”
	BIS standard code	:	IS 16018:2012
	Type	:	Mobile Trolley mounted
2	**MATERIAL OF CONSTRUCTION**		
	Extinguishing medium	:	DM water
	Body	:	Mild Steel Sheet as per IS:2062
	Neck Ring	:	MS Pipe confirms to IS:1239 (part-1)
	Cap	:	Brass confirms to IS:319
	Drain plug	:	Brass confirms to IS:319
	Siphon tube	:	MS pipe confirms to IS:3601/IS:1239
	CO2 gas cartridge	:	300 grams constructed as per IS:4947
	Discharge hose	:	PVC braided (Burst pressure ≥ 55 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
	Performance requirements	:	Min. Effective discharge time : 30 Sec. (Actual : 160 Sec. Approx.)
		:	Min. Bulk range of discharge : 6 Mtr. (Actual : 9 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 150 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 ± 10 mm
		:	Height : 1000 ± 10 mm Approx.
	Thickness of sheet	:	Made up from 3 mm thick sheet
	Filler opening	:	75mm
	Full weight of extinguisher	:	85kg (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	:	PO Red as per IS : 5 (Shade 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

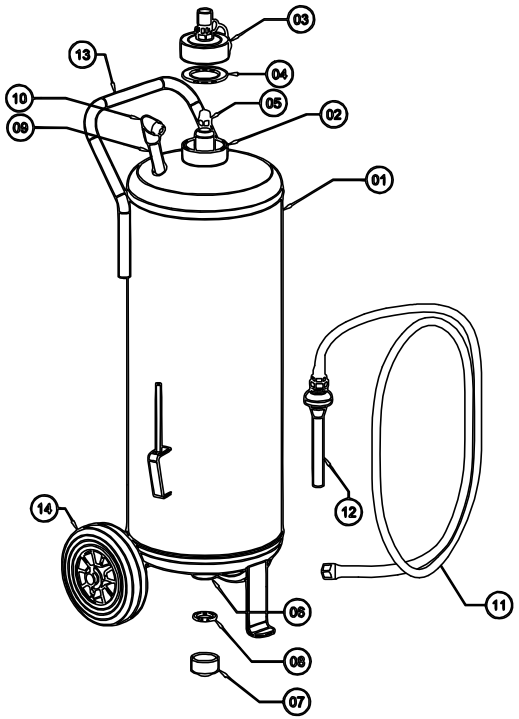
APPROVAL : PED APPROVED

DESIGN DATA

SR. NO	PARTICULARS	DESCRIPTION
01	CAPACITY	45 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 150 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: 160 sec. aprx.)
02	BULK RANGE OF DISCHARGE	MIN. 6 METER (Actual: 9 meter aprx.)
03	PERCENTAGE OF DISCHARGE	NOT LESS THAN 90%
04	FIRE RATING	20A





1000 mm ± 10 mm Approx.

Ø300 mm ±10
(Approx)

15	EXTINGUISHIN MEDIUM	DISTILLED WATER	45
14	TROLLEY WHEEL	SOLID RUBBER / HDPE	02
13	CARRYING HANDALE	MS	01
12	DISCHARGE NOZZLE	ALUMINUM ALLOY AS PER IS:617 / PVC	01
11	DISCHARGE HOSE	PVC BRAIDED (BURST PRESSURE ≥ 55 bar)	01
10	DISCHARGE ELBOW	MS FORGED	01
09	SIPHON TUBE	MS PIPE AS PER IS:3601 / IS:1239	01
08	DRAIN PLUG WASHER	RUBBER	01
07	DRAIN PLUG	BRASS - 1.5" FEMALE THREADED	01
06	DRAIN RING	MS PIPE - 1.5" MALE THREADED	01
05	C02 GAS CARTRIDGE (300 GRAMS)	AS PER IS:4947	01
04	CAP WASHER	RUBBER	01
03	CAP (PLUNGER TYPE)	BRASS - 3" AS PER IS:319	01
02	NECK RING	MS PIPE - 3" MALE THREADED AS PER IS:1239 PART-1	01
01	BODY	MS SHEET AS PER IS:2062	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 :
WATER TROLLEY MOUNTED
INSIDE CARTRIDGE 45 LTR FIRE EXTINGUISHER

GAD NO. : INTIME-W-45-TR-IC

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SCALE : NTS | SHEET : 1 OF 1