WATER CARTRIDGE PRESSURE 9 LTR FIRE EXTINGUISHER



Applicable Class of fire - A (Solid Fire)

Brief description: These extinguishers come with nominal charge of 9 Ltr (+5%) De Mineralized water & CO2 gas cartridge of 60 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	:	De Mineralized water of TDS 3 to 4 PPM
	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	:	60 gram constructed as per IS:4947
	siphon tube	:	PVC / Aluminum
	Discharge hose	:	Rubber braided EPDM (Burst pressure ≥ 55 bar)
	Discharge nozzle	:	PVC / SS
	Wall mounting bracket	:	MS Powder coated /Chrome Plated
3	**PERFORMANCE DATA**		
	Fire rating	:	4A
	Performance requirements	:	**Min. Effective discharge time** : 13 Sec. (Actual : 35 Sec. Approx.)
		:	**Min. Bulk range of discharge** : 2 Mtr. (Actual : 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	:	14.5 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 / 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 : IRS / PED / BIS MARKED

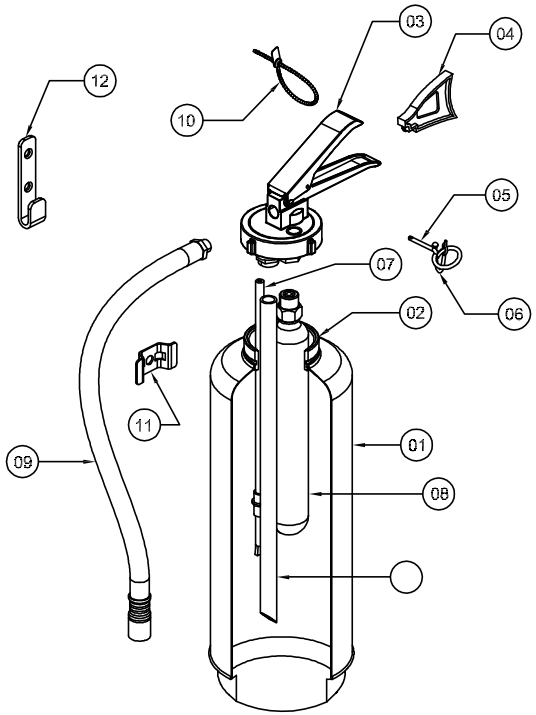
DESIGN DATA

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. 13 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: 98% aprx.)
04	FIRE RATING	4A

HARD PUNCH MARKING
INTIME YEAR PT 35 BAR CE 1128





SR. NO	DESCRIPTION	MATERIAL	QTY.
13	EXTINGUISHING MEDIUM	DISTILLED WATER	09
12	WALL MOUNTING BRACKET	MS POWDER COATED / CHROME PLATED	01
11	"C" CLIP	MS	01
10	SEAL	PP PLASTIC	01
09	DISCHARGE HOSE WITH NOZZLE	RUBBER BRAIDED EPDM HOSE (BURST PRESSURE >55 bar)	01
08	CO2 CARTAGE	60 GRAM AS PER IS:4947	01
07	SIPHON TUBE	PVC / ALUMINUM	01
06	SAFETY PIN HOLDER	RUBBER / SOFT PVC	01
05	SAFETY PIN	MS CHROME PLATED	01
04	LEVER LOCK	PP PLASTIC	01
03	VALVE	BRASS - M75 X 1.5 MALE THREADED	01
02	NECK RING	MS PIPE - M75 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 :
WATER (CARTRIDGE TYPE) 9 LIR FIRE EXTINGUISHER
(MODEL NUMBER.: IFACW9)

GAD NO. : INTIME-W-9-CT

INTIME FIRE APPLIANCES PVT LTD
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SCALE : NTS | SHEET : 1 OF 1