WATER CARTRIDGE PRESSURE 9 LTR SS BODY 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. Constructed of SS Sheet of 1.5 mm thickness and brass forged discharge Valve with MS lever.

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	:	Stainless steel sheet of 1.5 mm thickness
	Neck Ring	:	SS 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	:	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

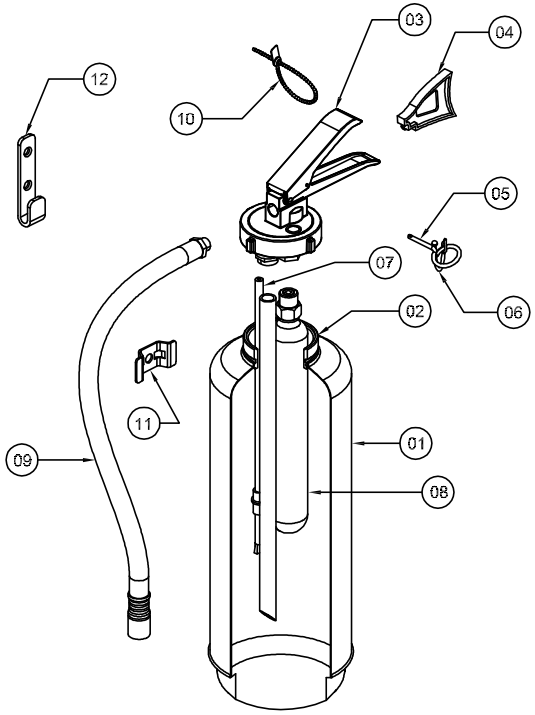
APPROVAL : PED MARKED

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





590 mm ± 10 mm Approx.

Ø180 ± 10 mm
(Approx)

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 WITH PVC NOZZLE(BURST PRESSURE >55 bar)	01
08	CO2 GAS 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	LEAVR LOCK	PP PLASTIC	01
03	VALVE	BRASS - M74 X 2 FEMALE THREADED	01
02	NECK RING	SS PIPE - M74 X 2 MALE THREADED	01
01	BODY	STAINLESS STEEL SHEET OF 1.5 MM THICKNESS	01

SYMBOL	REVISION DECRIPTION	DATE	BY

	DATE	NAME
DRAWN	22.12.22	VIJAY
CHECK	22.12.22	SHEKHAR
APP	22.12.22	AM

TITLE :
WATER (CARTRIDGE TYPE) 9 LTR SS BODY
(MODEL NUMBER.: IFACW9)

GAD NO. : INTIME-W-9-SS-CT

INTIME FIRE APPLIANCES PVT LTD
R.O. : 21/A, Ghanshyam Industrial Estate, Veera Desai Road, Andheri (W), Mumbai - 400053. Telephone : +91 22 2673 1829/ 2673 1852/ 4001 4392
WORKS: D-24/6, TTC Industrial Area, MIDC, Turbhe, Navi Mumbai - 400705.
Telefax: 27634433 / 64512311 / 64523611.

SCALE : NTS | SHEET : 1 OF 1