WATER STORED PRESSURE 9 LTR FIRE EXTINGUISHER



Applicable Class of fire - A (Solid fire)

Brief description: These extinguishers come with nominal charge of 9 Ltr (+5%) DM water. 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	:	De Mineralized water
	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 / Aluminum
	Pressure gauge / indicator	:	As per IS 15683:2018
	Discharge hose	:	Rubber braided EPDM hose (Burst pressure ≥ 55 bar)
	Discharge nozzle	:	Aluminum / PVC
	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 : 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 thick sheet
	Full weight of extinguisher	:	14.5kg (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

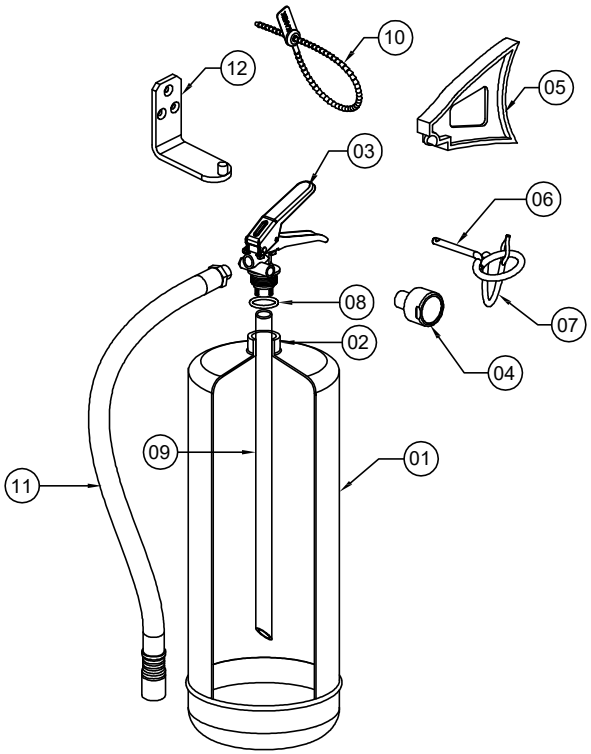
DESIGN DATA

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. 13 SEC. (Actual: 35 sec. aprx.)
02	BULK RANGE OF DISCHARGE	MIN. 2 METER (Actual: 5 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	HOSE WITH NOZZLE	RUBBER BRAIDED EPDM HOSE WITH PVC NOZZLE(BURST PRESSURE >55 bar)	01
10	SEAL	PP PLASTIC	01
09	SIPHON TUBE	ALUMINUM / PVC	01
08	"O" RING	NITRILE RUBBER	01
07	SAFETY PIN HOLDER	RUBBER / SOFT PVC	01
06	SAFETY PIN	MS CHROME PLATED	01
05	LEAVER 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 :
WATER 9 LTR (STORED PRESSURE)
(MODEL NUMBER.: IFASTW9)

GAD NO. : INTIME-W-9-SP

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SCALE : NTS | SHEET : 1 OF 1