D-TYPE METAL FIRE STORED PRESSURE 9 KG FIRE EXTINGUISHER

Applicable Class of fire - D-class of fire (Metal fire)

Brief description: These extinguishers come with nominal charge of 9 kg Chloride based dry powder Constructed of MS Sheet by MIG Welding process and brass forged discharge Valve, Internally & External epoxy powder coated.

1	**GENERAL DATA**		
	Manufacturer	:	**Intime Fire Appliances Pvt. Ltd.**
	Trade Mark	:	”INTIME”
	Type	:	Portable Stored Pressure
2	**MATERIAL OF CONSTRUCTION**		
	Extinguishing medium	:	Chloride based dry powder
	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 / Plastic
	Pressure gauge / indicator	:	As per IS 15683:2018
	Discharge hose	:	Rubber braided EPDM hose with Dome type Aluminum nozzle (Burst pressure 50 bar)
	Discharge applicator	:	Aluminum alloy
	Wall mounting bracket	:	MS Chrome Plated
3	**PERFORMANCE DATA**		
	Performance requirements	:	Min. Effective discharge time : 20 Sec. (Actual : 30 Sec. Approx.)
		:	Min. Percentage of discharge : 85%
	Temperature Range	:	-30° 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
5	**TYPE TESTS**	:	As per IS 15683:2018
6	**DIMENSIONS**	:	Diameter : 180 ± 5 mm
		:	Height : 540 mm Approx.
	Thickness of sheet	:	Made up from 1.5mm
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 15683:2018
	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

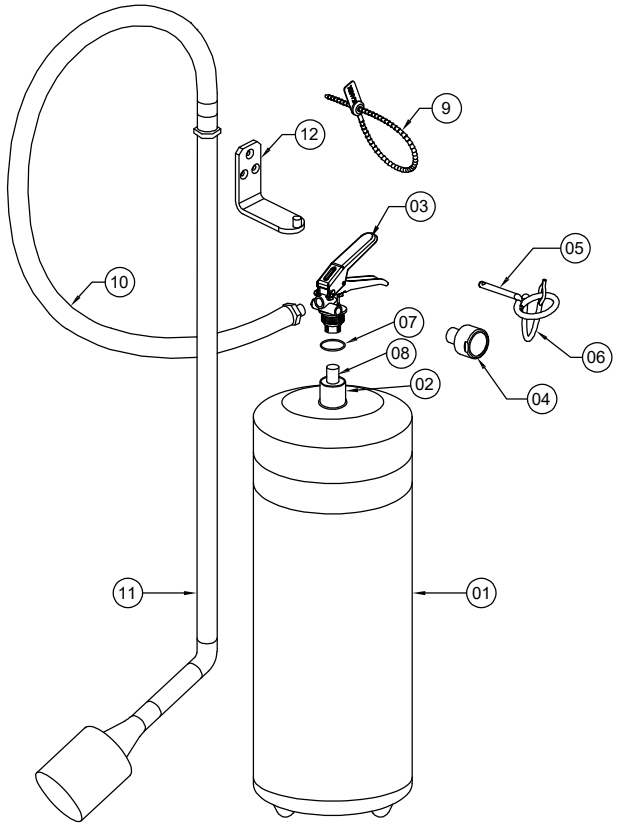
DESIGN DATA

SR. NO	PARTICULARS	DESCRIPTION
01	CAPACITY	9 KG
02	BULB BURST TEMPERATURE	68°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	20-30 sec. aprx
02	EFFECTIVE DISCHARGE RANGE	Min. 2 Mtr
03	MIN PERCENTAGE OF DISCHARGE	NOT LESS THEN 85%

HARD PUNCH MARKING
INTIME ISI YEAR PT 35 BAR CE 1128





SR. NO	DESCRIPTION	MATERIAL	QTY.
13	EXTINGUISHING MEDIUM	CHLORIDE BASED DRY POWDER	09
12	WALL MOUNTING BRACKET	MS POWDER COATED	01
11	DISCHARGE APPLICATOR	ALUMINUM ALLOY 6063:T6	01
10	DISCHARGE HOSE	RUBBER BRAIDED EPDM HOSE WITH PVC NOZZLE(BURST PRESSURE ≥ 55 bar)	01
09	SEAL	PP PLASTIC	01
08	SIPHON TUBE	PVC / PLASTIC	01
07	"O"RING	NITRILE RUBBER	01
06	SAFETY PIN HOLDER	RUBBER / SOFT PVC	01
05	SAFETY PIN	SS	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. OF 0.25% C, 0.05% P AND 0.05% S (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 :
D-TYPE METAL FIRE (STORED PRESSURE)
9 KG FIRE EXTINGUISHER

GAD NO. : INTIME-D TYPE-9-SP

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SCALE : NTS | SHEET : 1 OF 1