



**DATASHEET FOR FE 36 FIRE
EXTINGUISHER 4 KG.**

KANADIA FYR FYTER PVT. LTD
(An ISO 9001:2008 Certified Company)

KANEX DOC NO.: KFPL/GTP/SSP/SLP/CA/4

REV. 00

DATE: 14.11.2014

SHEET 1 OF 2

CLIENT

PROJECT

ITEM CODE

1.00 General

1.01	Manufacturer	Kanadia Fyr Fyter Pvt Ltd
1.02	Trade Mark	"KANEX"
1.03	Standard Code	IS 15683:2006
1.04	Type	Portable Stored Pressure
1.05	Whether Seal is provided to indicate that Extinguisher has not been used	Yes
1.06	Quantity	

2.00 Materials of Construction

2.01	Extinguishing Medium	Clean Agent FE 36 (HFC 236fa)
2.02	Body	SS 304
2.03	Neck Ring	SS 304
2.04	Valve	Brass FLB confirms to IS 6912
2.05	Siphon Tube	Aluminum
2.06	Discharge Nozzle	Brass
2.07	Pressure Gauge/indicator	As per IS 15683:2006
2.08	Discharge Hose	Rubber Braided EPDM Hose (Length:465mm)
2.09	Wall mounting Bracket with screw	Mild steel (Powder Coated)/M.S

3.00 Guaranteed Performance

3.01	Capacity	4 kg (Tolerance $\pm 2\%$ by mass)
3.02	Discharge duration test	Min. 8 sec at min. 2 meter for 90% contents.
3.03	Fire Rating	1A : 21B
3.04	Temperature Range	-30 °C to +55 °C
3.05	Service Pressure	09 bar
3.06	Maximum Service Pressure	15 bar

4.00 Routine Tests

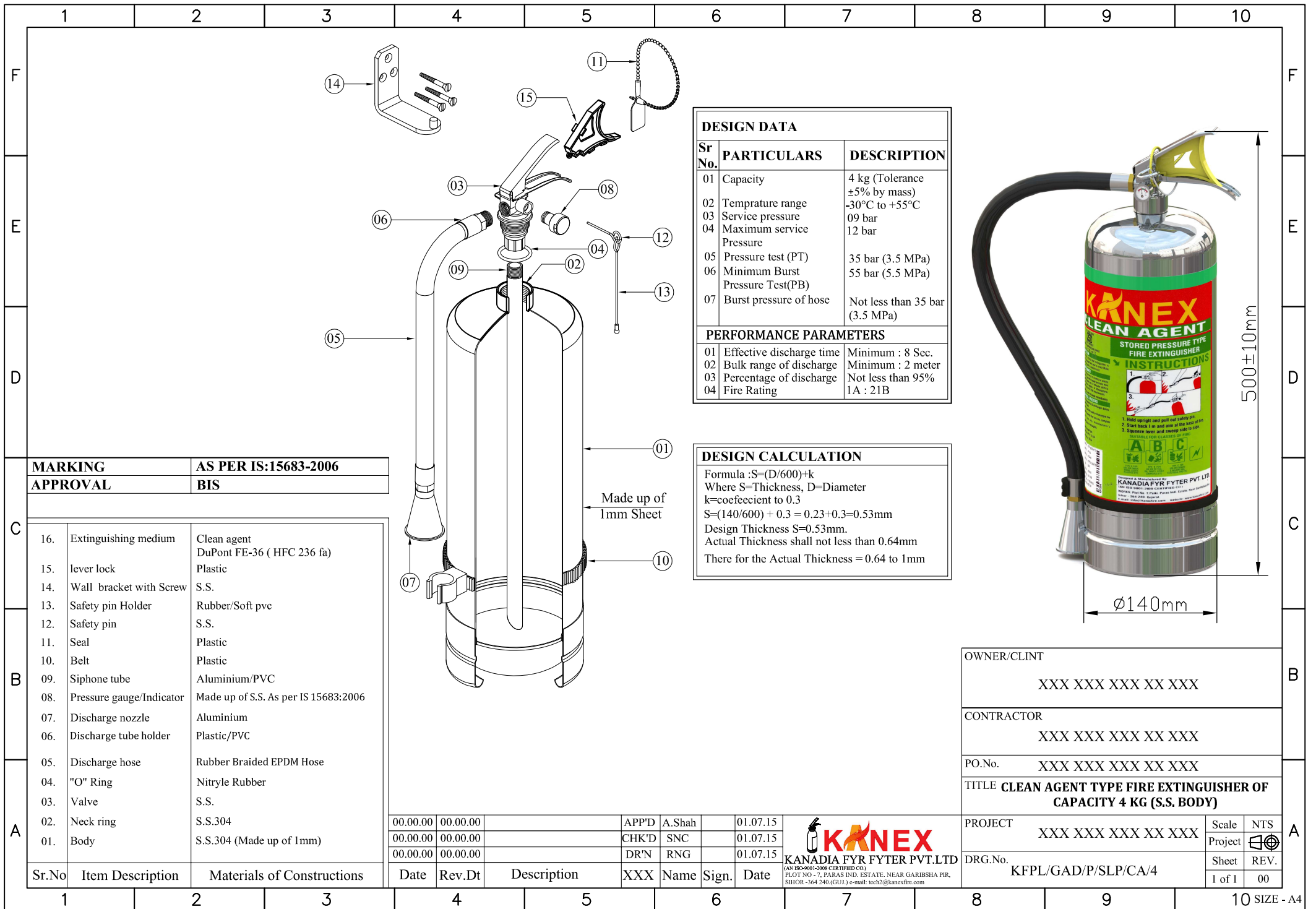
4.01	Pressure test (Pt)	35 bar (3.5 MPa)
4.02	Minimum Burst Pressure test (Pb)	55 bar (5.5 MPa)
4.03	Leakage test	By applying soap solution leakage to checked
4.04	Partial discharge	The second pressure or weight shall not be less than 75% of the first after interruption of the Discharge.
4.05	Burst pressure Test For Discharge Hose	Not less than 50 bar (5.0 Mpa)



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5.00	Extinguishers also pass through the Following Tests (Type tests)	
5.01	Resistance to Temperature changes	
5.02	Resistance to Impact test	
5.03	Resistance to Vibrations test	
5.04	Resistance to Corrosion test -External	
5.05	Resistance to Corrosion test -Internal	
5.06	Tapping Test	
5.07	Intermittent Discharge test	
5.08	Crushing test	
5.09	Pressure cycling test	
6.00	Dimensions	
6.01	Maximum Diameter of Fire Extinguisher	140±10 mm.
6.02	Overall Height of Extinguisher	500±10 mm (Approx.)
6.03	Thickness of sheet	Made Up of 1 mm
7.00	Painting	Smooth Finished
8.00	Accessories (brackets & screws)	Provided
9.00	Miscellaneous	
9.01	Inspection & Testing	As per ITP
9.02	Marking	As per IS 15683:2006
9.03	Approvals	BIS
9.04	Maintenance, Care and Refilling	As per IS 2190
10.0	Packing	Corrugated boxes (Outer box sizes: 360x170x534mm)



DESIGN DATA		
Sr No.	PARTICULARS	DESCRIPTION
01	Capacity	4 kg (Tolerance ±5% by mass)
02	Temperature range	-30°C to +55°C
03	Service pressure	09 bar
04	Maximum service Pressure	12 bar
05	Pressure test (PT)	35 bar (3.5 MPa)
06	Minimum Burst Pressure Test(PB)	55 bar (5.5 MPa)
07	Burst pressure of hose	Not less than 35 bar (3.5 MPa)
PERFORMANCE PARAMETERS		
01	Effective discharge time	Minimum : 8 Sec.
02	Bulk range of discharge	Minimum : 2 meter
03	Percentage of discharge	Not less than 95%
04	Fire Rating	1A : 21B

DESIGN CALCULATION	
Formula : $S=(D/600)+k$	
Where S=Thickness, D=Diameter	
k=coefficient to 0.3	
$S=(140/600) + 0.3 = 0.23+0.3=0.53\text{mm}$	
Design Thickness S=0.53mm.	
Actual Thickness shall not less than 0.64mm	
There for the Actual Thickness = 0.64 to 1mm	




MARKING	AS PER IS:15683-2006
APPROVAL	BIS

16.	Extinguishing medium	Clean agent DuPont FE-36 (HFC 236 fa)
15.	lever lock	Plastic
14.	Wall bracket with Screw	S.S.
13.	Safety pin Holder	Rubber/Soft pvc
12.	Safety pin	S.S.
11.	Seal	Plastic
10.	Belt	Plastic
09.	Siphone tube	Aluminium/PVC
08.	Pressure gauge/Indicator	Made up of S.S. As per IS 15683:2006
07.	Discharge nozzle	Aluminium
06.	Discharge tube holder	Plastic/PVC
05.	Discharge hose	Rubber Braided EPDM Hose
04.	"O" Ring	Nitryle Rubber
03.	Valve	S.S.
02.	Neck ring	S.S.304
01.	Body	S.S.304 (Made up of 1mm)

Sr.No	Item Description	Materials of Constructions
00.00.00	00.00.00	
00.00.00	00.00.00	
00.00.00	00.00.00	

Date	Rev.Dt	Description	XXX	Name	Sign.	Date
01.07.15		APP'D	A.	Shah		01.07.15
01.07.15		CHK'D	SNC			01.07.15
01.07.15		DR'N	RNG			01.07.15


KANADIA FYR FYTER PVT.LTD
(AN ISO-9001-2008 CERTIFIED CO.)
 PLOT NO - 7, PARAS IND. ESTATE, NEAR GARIBSHA PIR,
 SHIHR -364 240.(GUJ.) e-mail: tech2@kanexfire.com

OWNER/CLINT		XXX XXX XXX XX XXX	
CONTRACTOR		XXX XXX XXX XX XXX	
PO.No.		XXX XXX XXX XX XXX	
TITLE CLEAN AGENT TYPE FIRE EXTINGUISHER OF CAPACITY 4 KG (S.S. BODY)			
PROJECT	XXX XXX XXX XX XXX	Scale	NTS
DRG.No.	KFPL/GAD/P/SLP/CA/4	Project	
		Sheet	REV.
		1 of 1	00