



**TECHNICAL DATASHEET FOR  
POWDER(STORED PRESSURE) TYPE  
FIRE EXTINGUISHER OF CAPACITY  
4 KG**

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

KANEX DOC NO.: KFPL/GTP/P/SLP/P/4

REV. 00

DATE: 01.07.2015

SHEET 1 OF 2

CLIENT

PROJECT

PO NO.

**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	Mono Ammonium Phosphate based dry powder-90% (Confirms to IS 14609)
2.02	Body	Mild Steel Sheet having Max. of 0.25% Carbon, 0.05% Phosphorous and 0.05% Sulphur
2.03	Neck Ring	M.S. Pipe
2.04	Valve	Brass
2.05	Siphon Tube	Plastic/PVC
2.06	Discharge Nozzle	Plastic
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	Minimum effective Discharge Time	Minimum : 13 Sec. (Actual : 18 Sec. approx)
3.03	Bulk Range of Discharge	Minimum 2 meter (Actual : 3 meter approx)
3.04	Percentage of Discharge	Not Less than 85 % (Actual : 96.8% approx)
3.05	Fire Rating	2A:21B
3.06	Temperature Range	-30 °C to +55 °C
3.07	Service Pressure	15 bar
3.08	Maximum Service Pressure	18 bar

**4.00 Routine Tests**

4.01	Pressure test (Pt)	35 bar (3.5 MPa)
4.02	Minimum Burst Pressure test (Pb) for Body	55 bar (5.5 MPa)



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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 35 bar (3.5 Mpa)

<b>5.00</b>	<b>Extinguishers also pass through the Following Tests (Type tests)</b>	
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	Tapping Test	
5.06	Intermittent Discharge test	
5.07	Crushing test	
5.08	Pressure cycling test	
5.09	Fire performance test	

<b>6.00</b>	<b>Dimensions</b>	
6.01	Maximum Diameter of Fire Extinguisher	140±10 mm.
6.02	Overall Height of Extinguisher	490 mm (Approx.)
6.03	Thickness of sheet	Made up of 1.8 mm
6.04	Full weight of cylinder	6.6 kg (Approx)

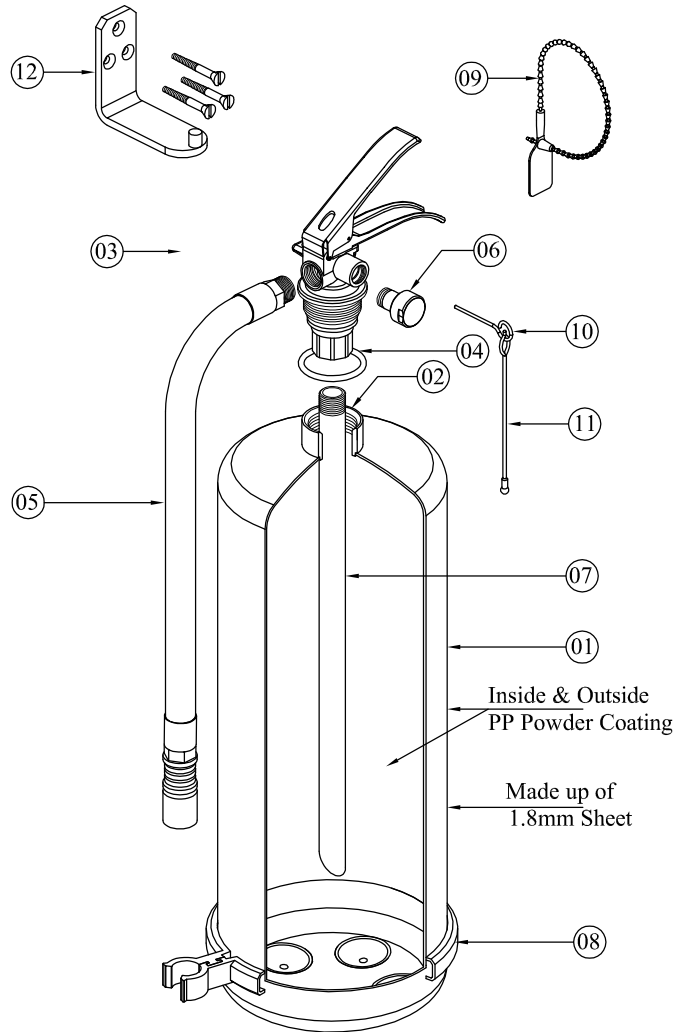
<b>7.00</b>	<b>Anti - Corrosive Treatment</b>	Phosphate Treatment Followed by epoxy powder coating of body DFT Not less than 50 Micron
<b>8.00</b>	<b>Accessories (brackets &amp; screws)</b>	Provided

<b>9.00</b>	<b>Miscellaneous</b>	
9.01	Inspection & Testing	As per approved GTP
9.02	Finish	PO Red as per IS : 5 (Shade 538 )
9.03	Marking	As per IS 15683:2006
9.04	Approvals	BIS
9.05	Maintenance, Care and Refilling	As per IS 2190
<b>10.0</b>	<b>Packing</b>	Corrugated boxes (Outer box sizes: 360x170x534mm)

DESIGN DATA		
Sr No.	PARTICULARS	DESCRIPTION
01	Capacity	4 kg (Tolerance ±2% by mass)
02	Temprature range	-30°C to +55°C
03	Service pressure	15 bar
04	Maximum service Pressure	18 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 : 13 Sec. (Actual : 18 sec approx)
02	Bulk range of discharge	Minimum : 2 meter (Actual : 3 meter approx)
03	Percentage of discharge	Not less than 85% (Actual : 96.8% approx)
04	Fire Rating	2A:21B

<b>MARKING</b>	<b>AS PER IS:15683-2006</b>
<b>APPROVAL</b>	<b>BIS - ISI MARKED</b>

13.	Extinguishing medium	Mono Ammonium Phosphate based dry powder 90% (Confirms to IS:14609)
12.	Wall bracket with Screw	Mild steel (Powder coated)
11.	Safety pin Holder	Rubber/Soft pvc
10.	Safety pin	S.S.
09.	Seal	PP Plastic
08.	Belt	PP Plastic
07.	Siphone tube	PVC/Plastic
06.	Pressure gauge/Indicator	As per IS : 15683-2006
05.	Discharge hose & nozzle	Rubber Braided EPDM Hose with Nozzle
04.	"O" Ring	Nitrlye Rubber
03.	Valve	Brass
02.	Neck ring	M.S.Pipe
01.	Body	M.S. Sheet Having Maximum Of C=0.25%,P=0.05% and S= 0.05%



OWNER/CLIENT		XXX XXX XXX XX XXX	
CONTRACTOR		XXX XXX XXX XX XXX	
PO.No.	XXX XXX XXX XX XXX		
TITLE	POWDER (STORED PRESSURE) FIRE EXTINGUISHER CAPACITY 4 KG.		
PROJECT	XXX XXX XXX XX XXX	Scale	NTS
DRG.No.	KFPL/GAD/P/SLP/P/4	Project	
		Sheet	REV.
		1 of 1	00

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00.00.00	00.00.00		CHK'D	Naresh	01.07.15
00.00.00	00.00.00		DR'N	RNG	01.07.15
Date	Rev.Dt	Description	XXX	Name	Sign.

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

Sr.No.	Item Description	Materials of Constructions
1		
2		
3		

Date	Rev.Dt	Description	XXX	Name	Sign.	Date

Date	Rev.Dt	Description	XXX	Name	Sign.	Date

Date	Rev.Dt	Description	XXX	Name	Sign.	Date