



**KalpEX<sup>TM</sup>**



# Company Profile



**KALPATARU INDUSTRIES**

Sector A-2, Plot No.D-36, Trans Delhi Signature City, Distt. Ghaziabad - 201102 (U.P.), India

E-mail: [info@kalpataruindia.in](mailto:info@kalpataruindia.in) [www.kalpataruindia.in](http://www.kalpataruindia.in)

Helpline No. +91 - 7042892997, 9870199904

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DATE: \_\_\_\_\_

TO

\_\_\_\_\_  
\_\_\_\_\_

KIND ATTN.: \_\_\_\_\_

**SUBJECT: REQUEST FOR PRODUCT APPROVAL FOR ISI MARKED 'KalpEX' BRAND FIRE EXTINGUISHERS AND FIRE HYDRANT ACCESSORIES.**

Dear Sir,

**KALPATARU INDUSTRIES** an **ISO 9001:2015** certified company, with experts who have more than 3 decades of experience with the goal of empowering lives to safety, we are eminent manufacturer and supplier of various types of ISI & CE marked Fire Extinguishers, Hydrant Items and Safety Equipments. Our products are manufactured under the Brand name of "**KALPEX**" with the modern state of art unit and In-house testing facilities as per the essence of IS/BIS.

The technical literature of various products for which the approval are being sought herewith enclosed in the company profile. However the products details are summarised below.

- All type of ISI marked Portable Fire Extinguishers (CM/L No.8700061214)
- All type of Trolley Mounted Fire Extinguishers as per IS
- Landing Valves (Type A & Type B) in GM and SS construction bearing IS: 5290 mark (CM/L No.8932796)
- Branch Pipe & Nozzles in GM and SS construction bearing IS: 903 mark (CM/L No.8929306)
- Hose Delivery Coupling in GM and SS construction & Adaptors bearing IS: 903 mark (CM/L No.8929306)
- Fire Hoses ISI marked bearing IS: 636 mark (CM/L No.8623682)
- First Aid Hose Reel Drums being IS:884 mark (CM/L No.8930085) complete with Rubber Hose (CM/L No.8422874)/ Thermoplastic Hose and Shut Off Nozzle
- Fire brigade Inlet Connections
- Kitchen Wet Chemical Systems, Polymer Tube based Automated Pre Engineered Systems, Dry Chemical Fire Suppression System, Clean Agent Fire Extinguishing System, FM-200 Gas Fire Extinguishing System, CO<sub>2</sub> Gaseous Suppression System, Fire Sprinkler Systems.
- Fire Hose Cabinet

For more information, please visit our Website: [www.kalpataruindia.in](http://www.kalpataruindia.in) or contact Ms. Reena Roy (99713 53999 / sales@kalpataruindia.in).

We would now request you to kindly approve and enlist ' **KalpEX** ' Brand in your master file for your various on-going and forth coming projects for which we shall be grateful to you.

Thanking you,

Sincerely yours,

For KALPATARU INDUSTRIES  
**PANKAJ JAIN (Proprietor)**  
**9811147449**



**KALPATARU INDUSTRIES**, an ISO 9001:2015 certified company, with experts who have more than 30 years of experience in fire safety field. We're committed to provide excellent quality of workmanship, we manufacture and supply a range of ISI & CE marked Fire Extinguishers and Fire Hydrant Items & Accessories. Our products are manufactured under the Brand name of **KalpEX<sup>®</sup>** with the modern state of art unit and In-house testing facilities as per the essence of IS/BIS.

## VISION

The population of the world is rapidly growing and our common life spaces are growing too. It is getting more important to prevent these common spaces from one of the biggest disasters, Fire. We believe in using the latest technology and information with our dynamic staff. We are working with Specialist Engineers and qualified staff in our technical and commercial applications to reduce the fire risk to minimum in living spaces and industrial areas. Our main aim is to give better service, manufacture highly qualified products with our continuously evolving Research & Development. We want to improve the understanding of Fire Security to the level of developed countries. In this way, we want to develop our country by using the raw material, productive power and information of our country efficiently in our manufacturing.

## MISSION

To provide unique and premium quality products to our customers. We are committed to deliver high quality goods and services which fully meet our customers' needs for quality assurance together with ISO requirements and we constantly seek ways to improve our quality continuously and ensure its continuity.

## GOAL

To be number one in our field by providing best in class products and world class services in the field of fire protection equipments and safety accessories, with high customer satisfaction.



## CORPORATE DETAILS

S. NO.	DESCRIPTION	DETAILS	
1	COMPANY NAME	KALPATARU INDUSTRIES	
2	MANAGING DIRECTOR	PANKAJ KR. JAIN	
3	ADDRESS	<u>Regd. Office &amp; Works</u> Plot No. D-36, Sector A-2, Trans Delhi Signature City, Distt. Ghaziabad, U.P-201102  <u>Contact Details:</u> +91 70428 92997 +91 98701 99904  e-mail: <a href="mailto:info@kalpataruindia.in">info@kalpataruindia.in</a> Website: <a href="http://www.kalpataruindia.in">www.kalpataruindia.in</a>	<u>Delhi Address</u> 37, Ground Floor, Raghushree Market, Ajmeri Gate, Delhi - 110006  <u>Contact Details:</u> 011-23235293, 23238540, 23217785 +91 99713 53999  e-mail: <a href="mailto:delhi@kalpataruindia.in">delhi@kalpataruindia.in</a>
4	Business Activity	Manufacturer & Supplier of all type of Fire Fighting Equipments, Refills and Accessories.	
5	Type of Company	Proprietorship	
6	ISO	ISO: 9001:2015	
7	Technical Approval	BIS (Bureau of Indian Standards) CE (Conformité Européene / European Conformity)	
8	BIS License (ISI)	All type of Fire Extinguishers, Refills, Fire Fighting Equipments & Accessories.	
9	GST NO.	09AAFPJ5765L1Z6	
10	PAN NO.	AAFPJ5765L	







## Certificate of Conformity

# CE

We hereby declare that the technical file of product complied with the requirement of directives 97/23/EC Pressure Equipment Directive

**Certificate No.:** CE-2906

**Manufacturer**

**Name** : KALPATARU INDUSTRIES

**Address** : Sector A-2, Plot No. D-36, Tronica City Distt.  
Ghaziabad-201102 (U.P) India

**Products** : Portable & Trolley Mounted Fire Extinguishers  
(More Details as per Appendix-I)

**Commercial Brands** : Padmini, Swastik and Kalpataru

The Certification body has performed an audit of the above product quality system covering the design, manufacture and final inspection of the certified product. The quality system has been assessed, approved and is subject to continuous surveillance according to Directives 97/23/EC Pressure Equipment Directive.

This certificate is issued under the following conditions:

1. It applies only to the quality system maintained in the manufacture of above referenced models and it does not substitute the design or type examination procedures, if requested.
2. The certificate remains valid until the manufacturing conditions or the quality systems are changed.
3. The certificate validity is conditioned by positive results or surveillance audits.

The CE mark as shown above can be used, under the responsibility of the manufacturer, after completion of an EC Declaration of conformity and compliance with all relevant EC Directives. The statement is based on a single evaluation of one sample of above mentioned product. It does not imply an assessment of the whole production.

Validity of this certificate can be verified at [www.ukcertifications.co.uk/verify](http://www.ukcertifications.co.uk/verify)

<b>Date of Certification</b>	17 <sup>th</sup> April 2017
<b>1<sup>st</sup> Surveillance Audit Due</b>	16 <sup>th</sup> April 2018
<b>2<sup>nd</sup> Surveillance Audit Due</b>	16 <sup>th</sup> April 2019
<b>Certificate Expiry</b> (subject to the company maintaining its system to the required standard)	16 <sup>th</sup> April 2020

  
**Authorised Signatory**



This certificate is the property of UK Certification & Inspection Limited and shall be returned immediately on request.  
5 Jupiter House, Calleva Park, Aldermaston, Reading Berkshire RG7 8NN, UK.  
Website: [www.ukcertifications.co.uk](http://www.ukcertifications.co.uk)





Certification & Inspection

## Certificate of Conformity

## Appendix-I

Appendix to Certificate no.:- CE-2906

Manufacturer :-

Kalpataru Industries

Address :-

Sector A-2, Plot No. D-36, Tronica City  
Distt. Ghaziabad-201102 (U.P) India



This certificate referred to above covers the following products:

### Products:-

- Water Type - ( Capacity 6, 9 & 50 ltr ).
- Mechanical Foam - ( Capacity 6, 9ltr & 50 ltr )
- Dry Powder Gas Cartridge - ( Capacity 4kg, 6kg, 9kg , 25kg, 50kg, 75kg, 100 kg, 150 kg
- Carbon Dioxide - 1kg, 2kg, 3kg, 4.5kg, 6.5kg 9kg, 22.5kg
- Dry Powder Stored Pressure ( 1kg, 2kg, 4kg, 6kg 9kg, 25kg, 50kg 75kg
- Clean Agent - 1kg. 2kg, 4kg, 6kg
- Modular Type - ( Capacity - 2kg, 5kg, 10kg 15kg
- All type of fire Hydrant Accessories

*Daniel..*

Authorised Signatory



page 1 of 1





भारतीय मानक ब्यूरो  
BUREAU OF INDIAN STANDARDS

Ghaziabad Branch Office

Address : Savitri Complex, 116 GT Road  
Ghaziabad  
201001

Phones : 0120-2861996, 2861498

Fax : 0120-2862195

E-mail : gzo@bis.org.in

Web : http://www.bis.org.in

ATTACHMENT TO LICENCE NO. CM/L- 8700061214

<u>CML NO</u>	<u>NAME OF THE LICENSEE WITH ADDRESS</u>	<u>PRODUCT</u>	<u>IS NO</u>
8700061214	KALPATARU INDUSTRIES Plot No. D-36, Sector A-2, Tronica City, Industrial Area Loni Uttar Pradesh 201102	Portable fire extinguishers-performance and construction-	IS 15683 : 2006

ENDORSEMENT NO. 2 Dated 06.04.2018

Whereas, the licence was valid upto 10.04.2018 ,

Now, consequent upon renewal, the validity of the licence given in first schedule of the original licence has been extended from Eleventh April Two Thousand and Eighteen to Tenth April Two Thousand and Nineteen.

Other terms and conditions of Licence remain the same.

*(Signature)*

(SUNJAY KUMAR).  
SCIENTIST E & HEAD



भारतीय मानक ब्यूरो  
BUREAU OF INDIAN STANDARDS

Ghaziabad Branch Office

Address : Savitri Complex, 116 GT Road  
Ghaziabad  
201001

Phones : 0120-2861996, 2861498

Fax : 0120-2862195

E-mail : gzo@bis.org.in

Web : http://www.bis.org.in

## ATTACHMENT TO LICENCE NO. CM/L- 8700061214

CML NO	NAME OF THE LICENSEE WITH ADDRESS	PRODUCT	IS NO
8700061214	KALPATARU INDUSTRIES Plot No. D-36, Sector A-2, Tronica City, Industrial Area Loni Uttar Pradesh 201102	Portable fire extinguishers-performance and construction-	IS 15683 : 2006

ENDORSEMENT NO. 1

Dated 04/09/2017

The following additional (sizes/types/grades etc.) has (have) been included in Columns(2) of the first schedule and column (1) of the the Second Schedule of the Licence alongwith the Standard Mark in Column (1) of First Schedule with immediate effect.

**Portable fire extinguishers-performance and construction to be used as Vehicle Fire Extinguisher, not to be used for energized electrical equipment fire of following verities :**

1. Portable Fire Extinguisher, DCP, ABC (Stored Pressure Type), capacity 1 kg and fire rating 1A, 8B, Temp range -20° to +55° C,
2. Portable Fire Extinguisher, DCP, ABC (Stored Pressure Type), capacity 2 kg and fire rating 1A, 8B, Temp range -20° to +55° C,
3. Portable Fire Extinguisher, DCP, ABC (Stored Pressure Type), capacity 4 kg and fire rating 2A, 21B, Temp range -20° to +55° C,
4. Portable Fire Extinguisher, DCP, ABC (Stored Pressure Type), capacity 6 kg and fire rating 2A, 34B, Temp range -20° to +55° C,
5. Portable Fire Extinguisher, DCP, ABC (Stored Pressure Type), capacity 9 kg and fire rating 3A, 34B, Temp range -20° to +55° C,

Other terms and conditions of Licence remain the same.

(SUNJAY KUMAR)  
SCIENTIST E & HEAD

## BIS MULTI-LISTING - KALPEX / PADMINI

### Status Of Licence(s) for PADMINI INDUSTRIES LTD.

Date : 30/06/2018

<u>S.No.</u>	<u>CML No</u>	<u>Name &amp; Address</u>	<u>Validity Date</u>	<u>Operative Status</u>	<u>Variety (Click it for details)</u>
5	8623682	PADMINI INDUSTRIES LTD., VILLAGE-DUNDUHERA, DELHI-SAHARANPUR ROAD, P. O. KHEKRA - 201 101, DISTT. BAGHPAT City : Khekra Dist : Bagpat State : Uttar Pradesh Pin : 201101 Tel : 0121-233140	30/09/2018	Operative	PADMINI and KALPEX Size 38mm, 50mm, 63mm & 70mm
IS 446 : 1987 Rubber Hoses, Textile-Reinforced, for Compressed Air - Specification (Fifth Revision)					
6	8447082	PADMINI INDUSTRIES LTD., VILLAGE-DUNDUHERA, DELHI-SAHARANPUR ROAD, P. O. KHEKRA - 201 101, DISTT. BAGHPAT City : Khekra Dist : Bagpat State : Uttar Pradesh Pin : 201101 Tel : 0121-233140	30/09/2018	Operative	Typ 2-12.50mm to 38.00mm NB Typ
IS 12585 : 1988 Specification for Thermoplastic Hoses (Textile Reinforced) for Water - General Purpose					
7	2611544	PADMINI INDUSTRIES LTD., VILLAGE-DUNDUHERA, DELHI-SAHARANPUR ROAD, P. O. KHEKRA - 201 101, DISTT. BAGHPAT City : Khekra Dist : Bagpat State : Uttar Pradesh Pin : 201101 Tel : 0121-233140	30/09/2018	Operative	PADMINI and KALPEX Type II, Bore Size 20mm
IS 447 : 1988 Rubber hose for welding					
8	8447183	PADMINI INDUSTRIES LTD., VILLAGE-DUNDUHERA, DELHI-SAHARANPUR ROAD, P. O. KHEKRA - 201 101, DISTT. BAGHPAT City : Khekra Dist : Bagpat State : Uttar Pradesh Pin : 201101 Tel : 0121-233140	30/09/2018	Operative	Sizes 5, 6.3, 8, 10, 12.5mm NB
IS 903 : 1993 Specification for fire hose delivery couplings, branch pipe, nozzles and nozzle spanner					
9	8929306	PADMINI INDUSTRIES LTD., Village- Dunduhera (Delhi-Saharanpur Road, Khekra) Dist : Bagpat State : Uttar Pradesh Pin : 201101 Tel : 0121 2233518	30/09/2018	Operative	PADMINI and KALPEX Fire House delivery couplings Size



## Status Of Licence(s) for PADMINI INDUSTRIES LTD

Date : 30/06/2018

S.No.	CML No	Name & Address	Validity Date	Operative Status	Variety (Click it for details)
IS 5290 : 1993 Specification for landing valves					
10	8932796	PADMINI INDUSTRIES LTD, Village-Dunduhara,(Delhi-Saharanpur Road) P.O. Khekra Dist : Bagpat State : Uttar Pradesh Pin : 201101 Tel : 0121 2233518	30/09/2018	Operative	PADMINI and KALPEX Type A, Material LTB-2 & SS and Type
IS 5894 : 1980 Specification for Rubber Hose for Sand Blasting					
11	8523880	PADMINI INDUSTRIES LTD., VILLAGE-DUNDUHERA, DELHI-SAHARANPUR ROAD, City : Khekra Dist : Bagpat State : Uttar Pradesh Pin : 201101 Tel : 0121-233140	31/12/2013	Expired	
IS 2396 : 1988 Specification for Rubber Hose for Fuel Dispensing					
12	8509886	PADMINI INDUSTRIES LTD., VILLAGE-DUNDUHERA, DELHI-SAHARANPUR ROAD, P. O. KHEKRA - 201 101, DISTT. BAGHPAT City : Khekra Dist : Bagpat State : Uttar Pradesh Pin : 201101 Tel : 0121-233140	15/09/2008	Expired	
IS 3549 : 1983 Specification for Water Suction and Discharge Hose of Rubber, Heavy Duty ( Covers IS 2410 : 1963 Also )					
13	8505272	PADMINI INDUSTRIES LTD., VILLAGE-DUNDUHERA, DELHI-SAHARANPUR ROAD, P. O. KHEKRA - 201 101, DISTT. BAGHPAT City : Khekra Dist : Bagpat State : Uttar Pradesh Pin : 201101 Tel : 0121-233140	30/09/2018	Operative	Type 1-25mm to 250mm NB Type 2-25mm to 250mm NB
IS 8423 : 1994 Specification for controlled percolating hose for fire fighting					
14	8618891	PADMINI INDUSTRIES LTD., VILLAGE-DUNDUHERA, DELHI-SAHARANPUR ROAD, P. O. KHEKRA - 201 101, DISTT. BAGHPAT City : Khekra Dist : Bagpat State : Uttar Pradesh Pin : 201101 Tel : 0121-233140	30/09/2018	Operative	PADMINI and KALPEX Type : Synthetic Yarn, Size 38 to 70



## Status Of Licence(s) for PADMINI INDUSTRIES LTD, Khekra

Date : 30/06/2018

<u>S.No.</u>	<u>CML No</u>	<u>Name &amp; Address</u>	<u>Validity Date</u>	<u>Operative Status</u>	<u>Variety (Click it for details)</u>
IS 884 : 1985                      Specification for first-aid hose reel for fire fighting					
15	8930085	PADMINI INDUSTRIES LTD, Khekra, Village-Dunduhara, (Delhi-Saharanpur Road) City : Khekra Dist : Bagpat State : Uttar Pradesh Pin : 201101 Tel : 0121 2233140	30/09/2018	Operative	<a href="#">PADMINI and KALPEX First-Aid Hose-Reel for Fire Fighting</a>
IS 444 : 1987                      General purpose rubber water hose (fourth revision) (Superseding IS 445 : 1964 and IS 913 : 1968)					
16	8422874	PADMINI INDUSTRIES LTD., VILLAGE-DUNDUHERA, DELHI-SAHARANPUR ROAD, P. O. KHEKRA - City : Khekra Dist : Bagpat State : Uttar Pradesh Pin : 201101 Tel : 0121-233140	30/09/2018	Operative	<a href="#">PADMINI and KALPEX Type 1 &amp; 2</a>

\*\*\* END OF REPORT \*\*\*

# **TECHNICAL DATA SHEET**

DRY POWDER STORED PRESSURE (ABC) FIRE EXTINGUISHER	
Manufacturer	Kalpataru Industries
Make	KalpEX
Certification & Approvals	IS: 15683 CE: 2906
Capacity (kg)	1 kg, 2 kg
Type of fire	ABC & E Class of Fire
Type of extinguisher	Dry Chemical Powder Stored pressure
Type of extinguisher media	Dry Chemical Powder, MAP 50% / 90% ISI marked IS: 14609
Expellant	Pressurised with N <sub>2</sub> Gas
Minimum effective discharge (%)	85%
Minimum jet length (mtrs.)	1.0 Mtr.
Discharge time ( sec.)	More than 8 sec.
Hydraulic test pressure (kgf/cm <sup>2</sup> )	35 Kgf/cm <sup>2</sup>
Operating position	Upright
Charge pressure (kgf/cm <sup>2</sup> )	15 Kgf/cm <sup>2</sup>
Operating Temp.	-20°C to +55°C
Operating valve	Squeeze grip type
Application	Class A, B, C & E
Fire Rating	1A, 8B

DRY POWDER STORED PRESSURE (ABC) FIRE EXTINGUISHER	
Manufacturer	Kalpataru Industries
Make	KalpEX
Certification & Approvals	IS: 15683 CE: 2906
Capacity (kg)	4 kg
Type of fire	ABC & E Class of Fire
Type of extinguisher	Dry Chemical Powder Stored pressure
Type of extinguisher media	Dry Chemical Powder, MAP 50% / 90% ISI marked IS: 14609
Expellant	Pressurised with N <sub>2</sub> Gas
Minimum effective discharge (%)	85%
Minimum jet length (mtrs.)	4.0 Mtr.
Discharge time ( sec.)	More than 13 Sec
Hydraulic test pressure (kgf/cm <sup>2</sup> )	35 Kgf/cm <sup>2</sup>
Operating position	Upright
Application	Class A, B, C & E
Charged Pressure (kgf/cm <sup>2</sup> )	15 Kgf/cm <sup>2</sup>
Operating Temp.	-20 <sup>0</sup> C to +55 <sup>0</sup> C
Operative Valve	Squeeze Grip Type
Fire Rating	2A, 21B



DRY POWDER STORED PRESSURE (ABC) FIRE EXTINGUISHER	
Manufacturer	Kalpataru Industries
Make	KalpEX
Certification & Approvals	IS: 15683 CE: 2906
Capacity (kg)	6 kg
Type of fire	ABC & E Class of Fire
Type of extinguisher	Dry Chemical Powder Stored pressure
Type of extinguisher media	Dry Chemical Powder, MAP 50% / 90% ISI marked IS: 14609
Expellant	Pressurised with N <sub>2</sub> Gas.
Minimum effective discharge (%)	85%
Minimum jet length (mtrs.)	4.0 Mtr.
Discharge time ( sec.)	More than 13 Sec
Hydraulic test pressure (kgf/cm <sup>2</sup> )	35 Kgf/cm <sup>2</sup>
Operating position	Upright
Application	Class A, B, C & E
Charged Pressure (kgf/cm <sup>2</sup> )	15 Kgf/cm <sup>2</sup>
Operating Temp.	-20 <sup>0</sup> C to +55 <sup>0</sup> C
Operative Valve	Squeeze Grip Type.
Fire Rating	2A, 34B

DRY POWDER STORED PRESSURE (ABC) FIRE EXTINGUISHER	
Manufacturer	Kalpataru Industries
Make	KalpEX
Certification & Approvals	IS: 15683 CE: 2906
Capacity (kg)	9 kg
Type of fire	ABC & E Class of Fire
Type of extinguisher	Dry Chemical Powder Stored pressure
Type of extinguisher media	Dry Chemical Powder, MAP 50% / 90% ISI marked IS: 14609
Expellant	Pressurised with N <sub>2</sub> Gas.
Minimum effective discharge (%)	85%
Minimum jet length (mtrs.)	4.0 Mtr.
Discharge time ( sec.)	More than 13 Sec
Hydraulic test pressure (kgf/cm <sup>2</sup> )	35 Kgf/cm <sup>2</sup>
Operating position	Upright
Application	Class A, B, C & E
Charged Pressure (kgf/cm <sup>2</sup> )	15 Kgf/cm <sup>2</sup>
Operating Temp.	-20 <sup>0</sup> C to +55 <sup>0</sup> C
Operative Valve	Squeeze Grip Type
Fire Rating	3A, 34B

CARBON DIOXIDE (CO <sub>2</sub> ) TYPE FIRE EXTINGUISHER	
Manufacturer	Kalpataru Industries
Make	KalpEX
Certification & Approvals	IS: 15683 CE: 2906
Capacity (kg)	2 kg
Type of fire	B & C Class of Fire
Type of extinguisher	Carbon Dioxide type
Type of extinguisher media	CO <sub>2</sub> Gas
Expellant	CO <sub>2</sub> Gas
Minimum effective discharge (%)	95%
Discharge time ( sec.)	More than 8 sec.
Operating position	Upright
Operating valve(IS 3224)	Wheel/ squeeze grip type
Working Pressure	70 Kg/cm <sup>2</sup>
Testing Pressure	250 Kg/cm <sup>2</sup>
Operating temperature (°C )	(-) 20 <sup>0</sup> c to +55 <sup>0</sup> c
Application	Class B & C
Fire Rating	8B

CARBON DIOXIDE (CO <sub>2</sub> ) TYPE FIRE EXTINGUISHER	
Manufacturer	Kalpataru Industries
Make	KalpEX
Certification & Approvals	IS: 15683 CE: 2906
Capacity (kg)	3 kg
Type of fire	B & C Class of Fire
Type of extinguisher	Carbon Dioxide type
Type of extinguisher media	CO <sub>2</sub> Gas
Expellant	CO <sub>2</sub> Gas
Minimum effective discharge (%)	95%
Discharge time ( sec.)	More than 8 sec.
Operating position	Upright
Operating valve(IS 3224)	Wheel/ squeeze grip type
Working Pressure	70 Kg/cm <sup>2</sup>
Testing Pressure	250 Kg/cm <sup>2</sup>
Operating temperature (°C )	(-) 20 <sup>0</sup> c to +55 <sup>0</sup> c
Application	Class B & C
Fire Rating	21B

CARBON DIOXIDE (CO <sub>2</sub> ) TYPE FIRE EXTINGUISHER	
Manufacturer	Kalpataru Industries
Make	KalpEX
Certification & Approvals	IS: 15683 CE: 2906
Capacity (kg)	4.5 kg
Type of fire	B & C Class of Fire
Type of extinguisher	Carbon Dioxide type
Type of extinguisher media	CO <sub>2</sub> Gas
Expellant	CO <sub>2</sub> Gas
Minimum effective discharge (%)	95%
Discharge time ( sec.)	More than 8 sec.
Hose length	1 Mtr.
Operating position	Upright
Operating valve(IS 3224)	Wheel/ squeeze grip type
Working Pressure	70 Kg/cm <sup>2</sup>
Testing Pressure	250 Kg/cm <sup>2</sup>
Operating temperature (°C)	(-) 20 <sup>0</sup> c to +55 <sup>0</sup> c
Application	Class B & C
Fire Rating	21B

CARBON DIOXIDE (CO <sub>2</sub> ) TROLLEY TYPE FIRE EXTINGUISHER	
Manufacturer	Kalpataru Industries
Make	KalpEX
Certification & Approvals	IS: 2878 CE: 2906
Capacity (kg)	6.5 kg
Type of fire	B & C Class of Fire
Type of extinguisher	Carbon Dioxide type
Type of extinguisher media	CO <sub>2</sub> Gas
Expellant	CO <sub>2</sub> Gas
Minimum effective discharge (%)	95%
Discharge time ( sec.)	More than 8 sec.
Hose length	1 Mtr.
Operating position	Upright
Operating valve(IS 3224)	Wheel/ squeeze grip type
Working Pressure	70 Kg/cm <sup>2</sup>
Testing Pressure	250 Kg/cm <sup>2</sup>
Operating temperature (°C )	(-) 30 <sup>0</sup> c to +55 <sup>0</sup> c
Application	Class B & C

CARBON DIOXIDE (CO <sub>2</sub> ) TROLLEY TYPE FIRE EXTINGUISHER	
Manufacturer	Kalpataru Industries
Make	KalpEX
Certification & Approvals	IS: 2878 CE: 2906
Capacity (kg)	9 kg
Type of fire	B & C Class of Fire
Type of extinguisher	Carbon Dioxide type
Type of extinguisher media	CO <sub>2</sub> Gas
Expellant	CO <sub>2</sub> Gas
Minimum effective discharge (%)	95%
Discharge time ( sec.)	More than 8 sec.
Hose length	2 Mtr.
Operating position	Upright
Operating valve(IS 3224)	Wheel/ squeeze grip type
Working Pressure	70 Kg/cm <sup>2</sup>
Testing Pressure	250 Kg/cm <sup>2</sup>
Operating temperature (°C)	(-) 30 <sup>0</sup> c to +55 <sup>0</sup> c
Application	Class B & C



CARBON DIOXIDE (CO <sub>2</sub> ) TROLLEY TYPE FIRE EXTINGUISHER	
Manufacturer	Kalpataru Industries
Make	KalpEX
Certification & Approvals	IS: 2878 CE: 2906
Capacity (kg)	22.5 kg
Type of fire	B & C Class of Fire
Type of extinguisher	Carbon Dioxide type
Type of extinguisher media	CO <sub>2</sub> Gas
Expellant	CO <sub>2</sub> Gas
Minimum effective discharge (%)	95%
Discharge time ( sec.)	More than 8 sec.
Hose length	3 Mtr.
Operating position	Upright
Operating valve(IS 3224)	Wheel/ squeeze grip type
Working Pressure	70 Kg/cm <sup>2</sup>
Testing Pressure	250 Kg/cm <sup>2</sup>
Operating temperature (°C)	(-) 30 <sup>0</sup> c to +55 <sup>0</sup> c
Application	Class B & C

MECHANICAL FOAM TYPE (STORED PRESSURE) FIRE EXTINGUISHER	
Manufacturer	Kalpataru Industries
Make	KalpEX
Certification & Approvals	IS: 15683 CE: 2906
Capacity (Ltr.)	6 Ltr.
Type of fire	A & B Class of Fire
Type of extinguisher	Mechanical Foam
Type of extinguisher media	Water & Aqueous film forming foam (AFFF) (3% / 6% concentrate )
Expellant	N <sub>2</sub>
Minimum effective discharge (%)	95%
Minimum jet length (mtrs.)	3-4 Mtr.
Discharge time (sec.)	More than 13 sec.
Hydraulic test pressure (kgf/cm <sup>2</sup> )	35 Kgf/cm <sup>2</sup>
Operating position	Upright
Application	Class A, class B
Charged Pressure (kgf/cm <sup>2</sup> )	15 Kgf/cm <sup>2</sup>
Operating Temp.	+5 <sup>0</sup> C to +55 <sup>0</sup> C
Operative Valve	Squeeze Grip type with discharge hose & Nozzle.
Fire Rating	2A & 21B

MECHANICAL FOAM TYPE (STORED PRESSURE) FIRE EXTINGUISHER	
Manufacturer	Kalpataru Industries
Make	KalpEX
Certification & Approvals	IS: 15683 CE: 2906
Capacity (Ltr.)	9 Ltr.
Type of fire	A & B Class of Fire
Type of extinguisher	Mechanical Foam
Type of extinguisher media	Water & Aqueous film forming foam (AFFF) (3% / 6% concentrate )
Expellant	N <sub>2</sub>
Minimum effective discharge (%)	95%
Minimum jet length (mtrs.)	4.5 Mtr.
Discharge time (sec.)	More than 13 sec.
Hydraulic test pressure (kgf/cm <sup>2</sup> )	35 Kgf/cm <sup>2</sup>
Operating position	Upright
Application	Class A, class B
Charged Pressure (kgf/cm <sup>2</sup> )	15 Kgf/cm <sup>2</sup>
Operating Temp.	+5 <sup>0</sup> C to +55 <sup>0</sup> C
Operative Valve	Squeeze Grip type with discharge hose & Nozzle.
Fire Rating	3A & 34B

WATER TYPE (STORED PRESSURE) FIRE EXTINGUISHER	
Manufacturer	Kalpataru Industries
Make	KalpEX
Certification & Approvals	IS: 15683 CE: 2906
Capacity (Ltr.)	6 Ltr.
Type of fire	Class 'A' Fire
Type of extinguisher	Water type
Type of extinguisher media	Soft Water
Expellant	N <sub>2</sub>
Minimum effective discharge (%)	95%
Minimum jet length (mtrs.)	3-4 Mtr.
Discharge time (sec.)	More than 13 Sec
Hydraulic test pressure (kgf/cm <sup>2</sup> )	35 Kgf/cm <sup>2</sup>
Operating position	Upright
Application	Class A Fires
Charged Pressure (kgf/cm <sup>2</sup> )	15 Kgf/cm <sup>2</sup>
Operating Temp.	+5 <sup>0</sup> C to +55 <sup>0</sup> C
Operative Valve	Squeeze Grip Type with discharge hose & Nozzle.
Fire Rating	2A

WATER TYPE (STORED PRESSURE) FIRE EXTINGUISHER	
Manufacturer	Kalpataru Industries
Make	KalpEX
Certification & Approvals	IS: 15683 CE: 2906
Capacity (Ltr.)	9 Ltr.
Type of fire	Class 'A' Fire
Type of extinguisher	Water type
Type of extinguisher media	Soft Water
Expellant	N <sub>2</sub>
Minimum effective discharge (%)	95%
Minimum jet length (mtrs.)	4.5 Mtr.
Discharge time (sec.)	More than 13 Sec
Hydraulic test pressure (kgf/cm <sup>2</sup> )	35 Kgf/cm <sup>2</sup>
Operating position	Upright
Application	Class A Fires
Charged Pressure (kgf/cm <sup>2</sup> )	15 Kgf/cm <sup>2</sup>
Operating Temp.	+5 <sup>0</sup> C to +55 <sup>0</sup> C
Operative Valve	Squeeze Grip Type with discharge hose & Nozzle.
Fire Rating	3A

CLEAN AGENT TYPE FIRE EXTINGUISHER	
Manufacturer	Kalpataru Industries
Make	KalpEX
Certification & Approvals	IS: 15683 CE: 2906
Anti Corrosive Inhibitor	Epoxy Polyester Powder Coating
Capacity (kg)	2 Kg.
Type of fire	A, B, C & E Class of Fire
Type of extinguisher	Clean Agent Type
Type of extinguisher media	Clean Agent
Expellant	Nitrogen Gas
Minimum effective discharge (%)	95%
Minimum jet length (mtrs.)	More than 2 mtr.
Discharge time (sec.)	More than 13 Secs.
Hydraulic test pressure (kgf/cm <sup>2</sup> )	35 Kgf/cm <sup>2</sup>
Charged Pressure (kgf/cm <sup>2</sup> )	15 Kgf/cm <sup>2</sup>
Operating position	Upright
Operating Temp.	-20 <sup>0</sup> C to +55 <sup>0</sup> C
Operative Valve	Squeeze Grip Type with discharge hose & Nozzle.
Fire Rating	8B

CLEAN AGENT TYPE FIRE EXTINGUISHER	
Manufacturer	Kalpataru Industries
Make	KalpEX
Certification & Approvals	IS: 15683 CE: 2906
Anti Corrosive Inhibitor	Epoxy Polyester Powder Coating
Capacity (kg)	4 Kg.
Type of fire	A, B, C & E Class of Fire
Type of extinguisher	Clean Agent Type
Type of extinguisher media	Clean Agent
Expellant	Nitrogen Gas
Minimum effective discharge (%)	95%
Minimum jet length (mtrs.)	More than 2 mtr.
Discharge time (sec.)	More than 13 Secs.
Hydraulic test pressure (kgf/cm <sup>2</sup> )	35 Kgf/cm <sup>2</sup>
Charged Pressure (kgf/cm <sup>2</sup> )	15 Kgf/cm <sup>2</sup>
Operating position	Upright
Operating Temp.	-20 <sup>0</sup> C to +55 <sup>0</sup> C
Operative Valve	Squeeze Grip Type with discharge hose & Nozzle.
Fire Rating	1A, 13B



CLEAN AGENT TYPE FIRE EXTINGUISHER	
Manufacturer	Kalpataru Industries
Make	KalpEX
Certification & Approvals	IS: 15683 CE: 2906
Anti Corrosive Inhibitor	Epoxy Polyester Powder Coating
Capacity (kg)	6 Kg.
Type of fire	A, B, C & E Class of Fire
Type of extinguisher	Clean Agent Type
Type of extinguisher media	Clean Agent
Expellant	Nitrogen Gas
Minimum effective discharge (%)	95%
Minimum jet length (mtrs.)	More than 2 mtr.
Discharge time (sec.)	More than 13 Secs.
Hydraulic test pressure (kgf/cm <sup>2</sup> )	35 Kgf/cm <sup>2</sup>
Charged Pressure (kgf/cm <sup>2</sup> )	15 Kgf/cm <sup>2</sup>
Operating position	Upright
Operating Temp.	-20 <sup>0</sup> C to +55 <sup>0</sup> C
Operative Valve	Squeeze Grip Type with discharge hose & Nozzle.
Fire Rating	2A, 21B

AUTOMATIC MODULAR (ABC TYPE) FIRE EXTINGUISHER	
Manufacturer	Kalpataru Industries
Make	KalpEX
Certification & Approvals	CE: 2906
Extinguishing Media	ABC/BC Type Dry Chemical Powder
Propellant	Nitrogen
Suitable For Class of Fire	(A, B & C) and (B & C) Class Fire
Working Pressure	15 Kgf/cm <sup>2</sup>
Testing Pressure	35 Kgf/cm <sup>2</sup>
Capacity (kg)	5Kg
Area of Protection	3.5 to 4m <sup>2</sup>
Construction	MIG Welded MS Body
Mounting	Ceiling Mounted
Operation Timing	10-15 seconds
Workmanship & Finish	Satisfactory
Marking	Provided

AUTOMATIC MODULAR (ABC TYPE) FIRE EXTINGUISHER	
Manufacturer	Kalpataru Industries
Make	KalpEX
Certification & Approvals	CE: 2906
Extinguishing Media	ABC/BC Type Dry Chemical Powder
Propellant	Nitrogen
Suitable For Class of Fire	(A, B & C) and (B & C) Class Fire
Working Pressure	15 Kgf/cm <sup>2</sup>
Testing Pressure	35 Kgf/cm <sup>2</sup>
Capacity (kg)	10Kg
Area of Protection	7 to 8m <sup>2</sup>
Construction	MIG Welded MS Body
Mounting	Ceiling Mounted
Operation Timing	15-20 seconds
Workmanship & Finish	Satisfactory
Marking	Provided

AUTOMATIC MODULAR (CLEAN AGENT TYPE) FIRE EXTINGUISHER	
Manufacturer	Kalpataru Industries
Make	KalpEX
Certification & Approvals	CE: 2906
Extinguishing Media	Clean Agent Gas
Propellant	Nitrogen
Suitable For Class of Fire	(A, B, C) Class Fires
Working Pressure	15 Kgf/cm <sup>2</sup>
Testing Pressure	35 Kgf/cm <sup>2</sup>
Capacity (kg)	2Kg
Area of Protection	1to1.5m <sup>2</sup>
Construction	MIG Welded MS Body
Mounting	Ceiling Mounted
Operation Timing	8-10 seconds
Workmanship & Finish	Satisfactory
Marking	Provided
Wall mounting bracket	Provided



AUTOMATIC MODULAR (CLEAN AGENT TYPE) FIRE EXTINGUISHER	
Manufacturer	Kalpataru Industries
Make	KalpEX
Certification & Approvals	CE: 2906
Extinguishing Media	Clean Agent Gas
Propellant	Nitrogen
Suitable For Class of Fire	(A, B, C) Class Fires
Working Pressure	15 Kgf/cm <sup>2</sup>
Testing Pressure	35 Kgf/cm <sup>2</sup>
Capacity (kg)	5Kg
Area of Protection	3.5 to 4m <sup>2</sup>
Construction	MIG Welded MS Body
Mounting	Ceiling Mounted
Operation Timing	10-15 seconds
Workmanship & Finish	Satisfactory
Marking	Provided
Wall mounting bracket	Provided

AUTOMATIC MODULAR (CLEAN AGENT TYPE) FIRE EXTINGUISHER	
Manufacturer	Kalpataru Industries
Make	KalpEX
Certification & Approvals	CE: 2906
Extinguishing Media	Clean Agent Gas
Propellant	Nitrogen
Suitable For Class of Fire	(A, B, C) Class Fires
Working Pressure	15 Kg/cm <sup>2</sup>
Testing Pressure	35 Kg/cm <sup>2</sup>
Capacity (kg)	10Kg
Area of Protection	7 to 8m <sup>2</sup>
Construction	MIG Welded MS Body
Mounting	Ceiling Mounted
Operation Timing	15-20 seconds
Workmanship & Finish	Satisfactory
Marking	Provided
Wall mounting bracket	Provided

KITCHEN FIRE PORTABLE TYPE FIRE EXTINGUISHER (STORED PRESSURE TYPE)	
Manufacturer	Kalpataru Industries
Make	KalpEX
Certification & Approvals	CE: 2906
Capacity	4, 6 & 9 Kg.
Chemical Charge	Wet Chemicals
Suitable For Class of Fire	K Class Fires
Working Pressure	12 Kg/cm <sup>2</sup>
Testing Pressure	35 Kg/cm <sup>2</sup>
Construction	Stainless Steel Body
Mounting	Wall Mounted
Operation Timing	More than 8 seconds
Workmanship & Finish	Satisfactory
Marking	Provided
Wall mounting bracket	Provided
Working Temperature	+5 <sup>0</sup> C to 55 <sup>0</sup> C

LANDING VALVE SINGLE OUTLET	
Mktd. by	Kalpataru Industries
Make	KalpEX
Code & Standard	IS:5290 Type-‘A’
Size	63 mm
Body	Copper Alloy as per IS:318, LTB-II/ Stainless Steel (Grade 304) / Aluminium Alloy
Check Nut	Copper Alloy as per IS:318, LTB-II/ Stainless Steel (Grade 304)
Hex Nut	Mild Steel
Chain	Galvanized
Stop Valve	Copper Alloy as per IS:318, LTB-II/ Stainless Steel (Grade 304)
Spindle	Brass Rod, IS:319 / Stainless Steel (Grade 304)
Gland Nut	Copper Alloy as per IS:318, LTB-II/ Stainless Steel (Grade 304) / Aluminium Alloy
Gland Packing	Asbestos IS:4687
Hand Wheel	Cast Iron, IS:210 FG:200
Bonnet	Copper Alloy as per IS:318, LTB-II/ Stainless Steel (Grade 304) / Aluminium Alloy
Instantaneous Female Outlet	Copper Alloy as per IS:318, LTB-II/ Stainless Steel (Grade 304) / Aluminium Alloy
Blank Cap	Copper Alloy AS PER IS:318, LTB-II / ABS
Seat Washer, Rubber Ring, & Outlet Washer	Rubber as per IS:937
Spring	Phosphor Wire, IS:7608 / Stainless Steel Wire
Cam tooth	Copper Alloy AS PER IS:318, LTB-II / Stainless Steel (Grade 304)
Lug	As per specification
Print on Body & Flange	Fire Red of shade No.IS:536 of IS 5:1978
Water Tightness Test	14 Kgf/cm <sup>2</sup>
Hydraulic Pressure Test	21 Kgf/cm <sup>2</sup> for 2.5 Minutes
Flow Test	900 LPM at 7 kgf/cm <sup>2</sup>



LANDING VALVE DOUBLE OUTLET	
Mktd. by	Kalpataru Industries
Make	KalpEX
Code & Standard	IS:5290 Type-‘B’
Size	63 mm
Body	Copper Alloy (LTB Grade 2) / Stainless Steel (Grade 304) / Aluminium Alloy
Check Nut	Copper Alloy (LTB Grade 2) / Stainless Steel (Grade 304)
Stop Valve	Copper Alloy (LTB Grade 2) / Stainless Steel (Grade 304)
Spindle	Copper Alloy (LTB Grade 2) / Stainless Steel (Grade 304)
Gland Nut	Copper Alloy (LTB Grade 2) / Stainless Steel (Grade 304) / Aluminium Alloy
Packing	Asbestos
Hand Wheel	Cast Iron
Bonnet	Copper Alloy (LTB Grade 2) / Stainless Steel (Grade 304) / Aluminium Alloy
Instantaneous Female Outlet	Copper Alloy (LTB Grade 2) / Stainless Steel (Grade 304) / Aluminium Alloy
Blank Cap	ABS Plastic
Washer	Rubber
Spring	Phosphor Wire / Stainless Steel Wire
Cam tooth	Copper Alloy (LTB Grade 2) / Stainless Steel (Grade 304)
Lug	As per specification
Print on Body & Flange	Fire Red of shade No.IS:536 of IS 5:1978
Water Tightness Test	14 Kg/cm <sup>2</sup>
Hydraulic Pressure Test	21 Kg/cm <sup>2</sup>
Flow Test	1800 LPM

FIRE FIGHTING RRL DELIVERY HOSE				
Mktd. by	Kalpataru Industries			
Make	KalpEX			
Code & Standard	IS:636/1988, (TYPE-A)			
Nominal bore size	38.00mm to 70.00mm			
<b>SIZE (mm)</b>	<b>38.0 mm</b>	<b>50.00 mm</b>	<b>63.00 mm</b>	<b>70.00 mm</b>
Hose Weight (gm/mtr.)	275 gm/mtr.	350 gm/mtr.	425 gm/mtr.	480 gm/mtr.
Length	30 Meters (Max.)			
Testing	According to IS:636			
Bursting Pressure	3.5 MPa			
Proof Pressure	2.1 MPa			
Kink Test Pressure	2.1 MPa			
Change in Length Test Pressure	Shall not be more than 6%			
Change in Dia Test Pressure	Shall not be more than 10%			

BRANCH PIPE NOZZLE	
Mktd. by	Kalpataru Industries
Make	KalpEX
Code & Standard	IS:903
Branch Pipe Bore	63 mm
Nozzle Bore	20 mm
Material of Construction	Copper Alloy as per IS:318 LTB-II Stainless Steel (Grade 304) Aluminium Alloy
Washer Used	Rubber as per IS:937
Hydraulic Pressure Test	21 Kgf/cm <sup>2</sup>

FIRE HOSE DELIVERY COUPLING	
Mktd. by	Kalpataru Industries
Make	KalpEX
Code & standard	IS:903
Size	63 mm
Material of Construction	Copper Alloy (LTB Grade-2) / Stainless Steel (Grade 304) / Aluminum Alloy
Washer Used	Rubber as per IS:937
Spring Wire	Phosphor Bronze Wire as per IS:7608 / Stainless Steel
Cam tooth	Copper Alloy as per IS:318, LTB-II / Stainless Steel (Grade 304)
Lug	As per specification
Hydraulic Pressure Test	21 Kgf/cm <sup>2</sup>

SWINGING TYPE WALL MOUNTING HOSE REEL	
Mktd. by	Kalpataru Industries
Make	KalpEX
Code & standard	IS:884
Side Drum (500 mm)	M.S. Sheet (16SWG)
Hub	M.S. Sheet (16SWG)
Hose Connector	M.S. Seamless Pipe
Water Ways	M.S. Seamless Pipe
Arm	M.S.
Inlet Elbow	M.S.
Inlet Pipe	M.S.
Mounting Bracket	M.S.
Swivel Joint	Leaded Tin Bronze (Grade LTB-2)
Hose Reel Tubing	Rubber Hose Pipe IS:444 / Thermoplastic Hose IS:12585
Hose Reel Plate	M.S. Sheet (16SWG)
Leakage Test	21 Kgf/cm <sup>2</sup>
Performance Test	7 bar
Flow Rate	24 LPM
Throw Range	8 Meters
Pipe with Fitting	Steel
Paint	Fire Red

GENERAL PURPOSE RUBBER WATER HOSE				
Mktd. By	Kalpataru Industries			
Make	KalpEX			
Code & Standard	IS:444, (TYPE-2, 3A & 3B)			
Nominal bore size	10.00mm to 100.00mm			
<b>SIZE (mm)</b>	<b>10.00 mm</b>	<b>12.50 mm</b>	<b>16.00 mm</b>	<b>20.00 mm</b>
Tolerances on Nominal Bore Size (mm)	±0.75	±0.75	±0.75	±0.75 – 1.25
Minimum Thickness of Lining (mm)	1.50	1.50	1.50	1.50
Minimum Thickness of Cover (mm)	1.50	1.50	1.50	1.50
Working Pressure	2.50 MPa			
Proof Pressure (Min)	4.00 MPa			
Change in Diameter at Proof Pressure	±7			
Change in Length of Proof Pressure	±7			
Minimum Bursting Pressure (MPa)	8.00 MPa			

THERMOPLASTIC HOSE FOR WATER			
Mktd. by		Kalpataru Industries	
Make		KalpEX	
Code & Standard		IS:12585-1988 TYPE-II	
S.NO.	PARAMETERS	CLAUSE NO.	REQUIREMENT
1	<b>Construction:</b>	4.1	
	Lining	4.1.1	Smooth in bore
	Reinforcement	4.1.2	Natural & Synthetic Textile Reinforcement Smooth & Fluted Finish
	Cover	4.1.3	
2	<b>Dimensions &amp; Tolerance</b>	4.2	
	Bore Size	4.2.1	20 ± 0.75 mm
	Lining Thickness	4.2.2	1.50 mm (min)
	Cover Thickness	4.2.2	1.00 mm (min)
	Length of Hose	4.2.3	± 1%
3	<b>Physical &amp; Performance Requirements:</b>		
	Loss in Mass on Heating	4.3.1	Less than 4%
	Adhesion	4.3.2	1.4 kN/m (min)
	Pressure Requiremen a) Proof Pressure b) Bursting Pressure	4.3.3	1.6 MPa 3.15 MPa
	Minimum Bend Radius	4.3.4	The hose shall show no sign of collapse.
	Low Temperature Flexibility	4.3.5	1. The hose shall be capable of being bent to radius of 10 times the nominal bore size without kinking / cracking.  2. Maximum increase of stiffness must be less than 15 times.



CONTROLLED PERCOLATING HOSE				
Mktd. by	Kalpataru Industries			
Make	KalpEX			
Code & Standard:	IS:8423-1994			
Size:	38.0mm	50.0mm	63.0mm	70.0mm
Hose Weight (gm/mtr):	250gm/mtr	300gm/mtr	350gm/mtr	400gm/mtr
Percolation, Litre	0.40-4.0	0.60-5.0	0.80-5.0	1.20-6.0
Length:	30 Metres (Max.)			
End Fittings:	Hose Couplings			
Testing:	According to IS:8423			
Bursting Pressure:	3.5MPa			
Proof Pressure:	2.1MPa			
Kink Test Pressure:	2.1MPa			
Change in Length Test Pressure:	10%			
Change in Dia Test Pressure:	10%			
Flammability	2 Minutes at 0.7MPa			

TECHNICAL DATA SHEET FOR TWO WAY INLET BREECHING (2-WAY)	
Mktd. by	Kalpataru Industries
Make	KalpEX
Inlets	63mm male coupling with NRV – 2 Nos .
Outlet details	Flange O.D.220 mm , P.C.D. 180 mm, 8 holes of 19 mm diameter
Body	C.I. AS PER IS
NRV male part , Valve	Copper Alloy AS PER IS
Seat washer, Blank Cap	Rubber
Hydrostatic pressure test	At 21 Kg/ cm <sup>2</sup> for 2.5 minutes
Working Pressure	7 Kg/cm <sup>2</sup>
Painting	Each Breeching will be painted with 2 coats of Fire red paint over two coats of primer.
Body	Painted - Fire Red Color
Male Adaptor	Polished

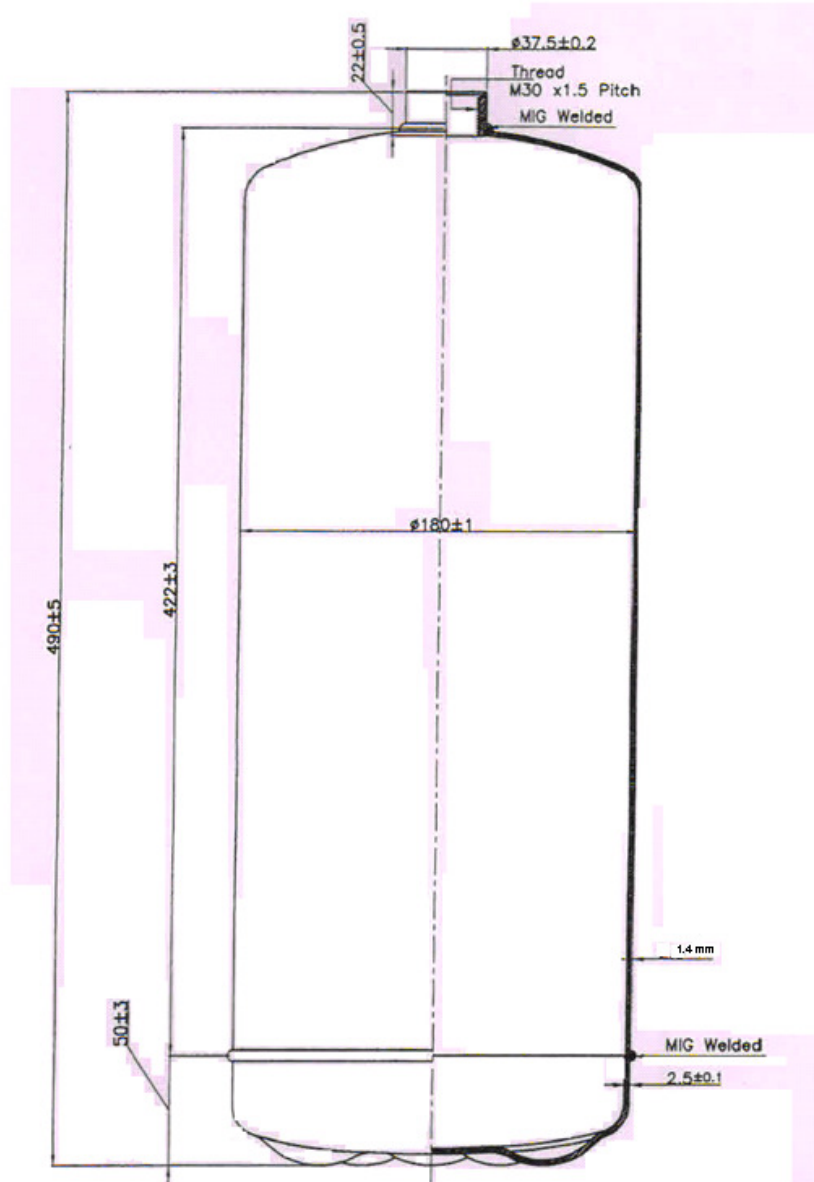
TECHNICAL DATA SHEET FOR THREE WAY FIRE BRIGADE INLET (3 WAY)	
Mktd. by	Kalpataru Industries
Make	KalpEX
Inlet	3 Nos Male Instantaneous Adaptor (63 mm) with NRV
Outlet	150 mm NB Flanged (IS: 1538 / ANSI B 16.5 150#)
Material of Construction	Gunmetal / Cast Iron
Body/Flange	Gunmetal / Cast Iron , as per IS
Male Adaptor	Gunmetal / Stainless Steel
Drain Valve	Brass
Inlet Caps/Seat Washer	Rubber
Hydrostatic Pressure Test	21 Kgf/cm <sup>2</sup> for 2.5 minutes
Working Pressure	7 Kgf/cm <sup>2</sup>
Body	Painted - Fire Red Color
Male Adaptor	Polished

TECHNICAL DATA SHEET FOR FOUR WAY FIRE BRIGADE INLET (4 WAY)	
Mktd. by	Kalpataru Industries
Make	KalpEX
Inlet	4 Nos. Male Instantaneous Adaptor (63 mm) with NRV
Outlet	150 mm NB Flanged (IS: 1538 / ANSI B 16.5 150#)
Material of Construction	Gunmetal / Cast Iron
Body/Flange	Gunmetal / Cast Iron , as per IS
Male Adaptor	Gunmetal / Stainless Steel
Drain Valve	Brass
Inlet Caps/Seat Washer	Rubber
Hydrostatic Pressure Test	21 Kgf/cm <sup>2</sup> for 2.5 minutes
Working Pressure	7 Kgf/cm <sup>2</sup>
Body	Painted - Fire Red Color
Male Adaptor	Polished

TECHNICAL DATA SHEET FOR HOSE CABINET	
Manufacture	Kalpataru Industries
Make	KalpEX
Size	30''x 24'' x 10''
Type	Wall Mounted
Front	Double Door Front with 3 mm Thick Acrylic Sheet
Material of Construction	18 SWG M.S. Sheet As Per IS: 513
Suitable	To accommodate 2 Length of 63 mm x 15 Mtrs. Delivery Hose & 1 No. 63 mm size Branch pipe with Nozzle.
Painting	Outside : Two coats of Fire Red Paint over two coats of red Oxide Primer . Inside : Two coats of White Paint over two coats of Red oxide Primer .
Marking	" FIRE HOSE"

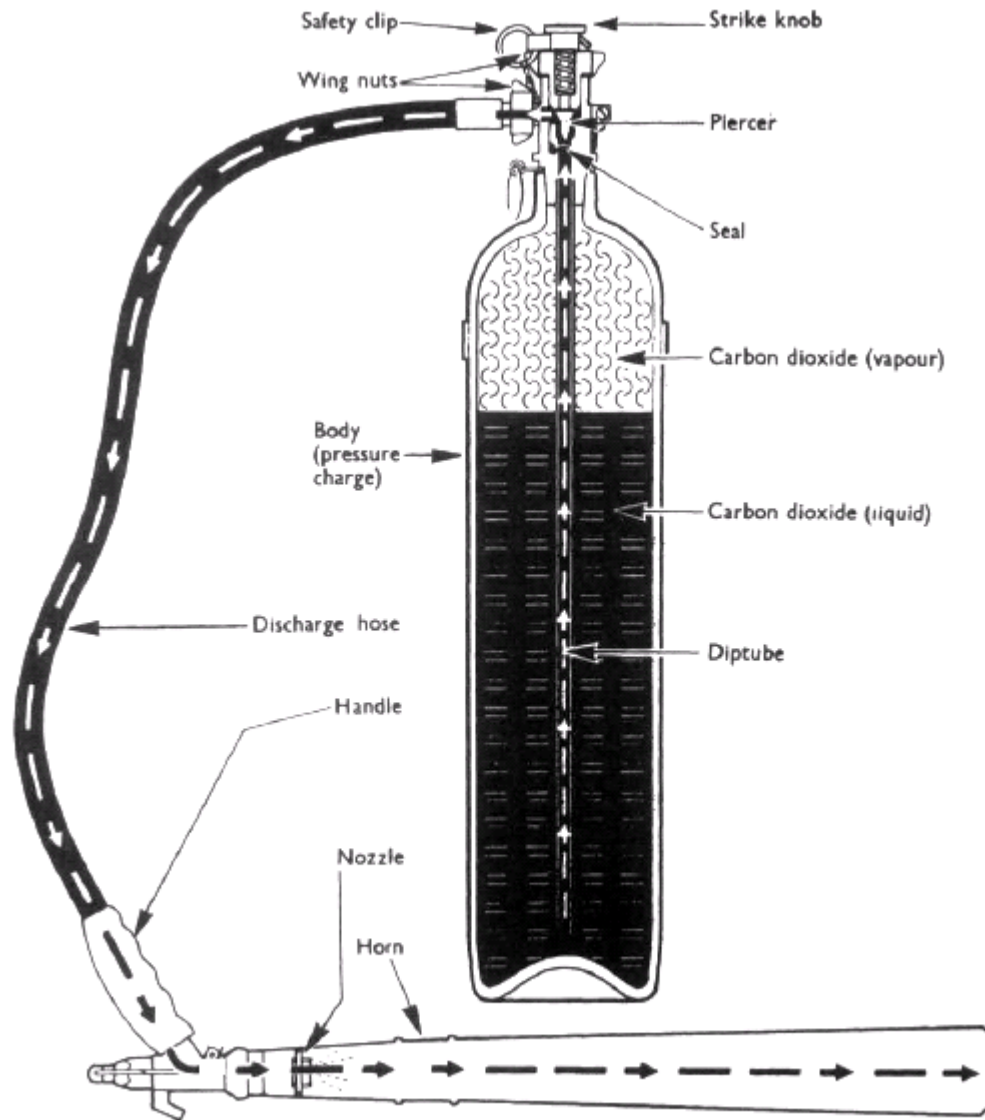
## **DRAWINGS**

**ABC STORED PRESSURE TYPE FIRE EXTINGUISHER**



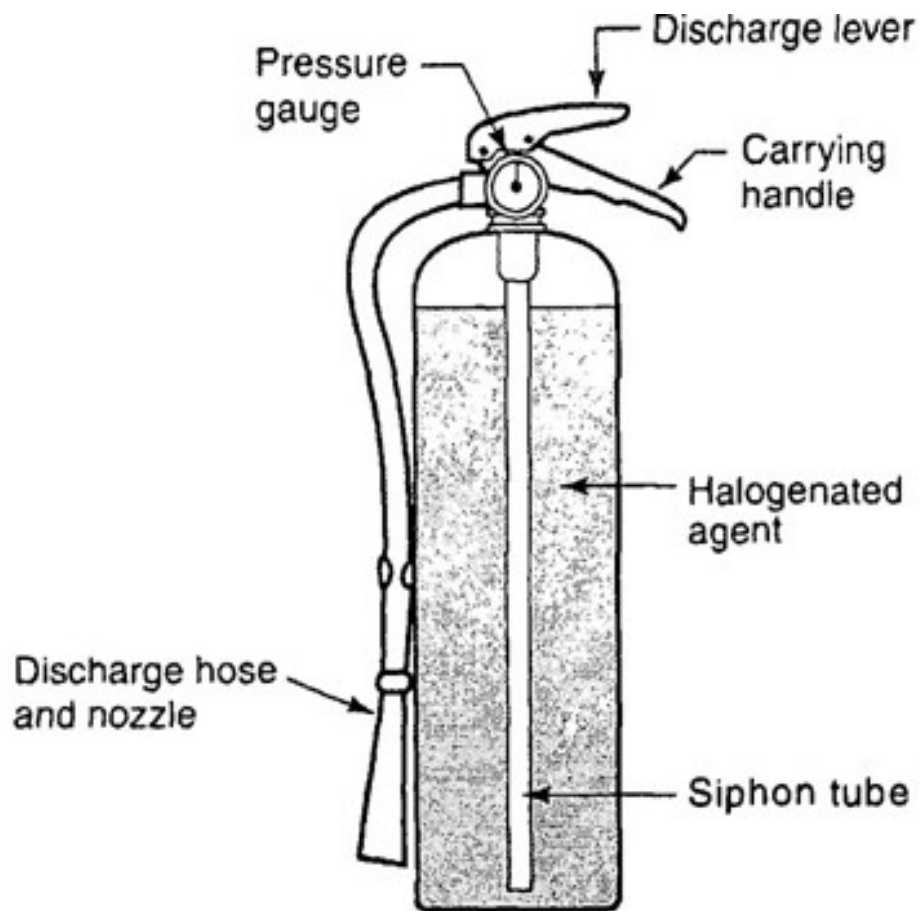


**CO2 TYPE FIRE EXTINGUISHER**

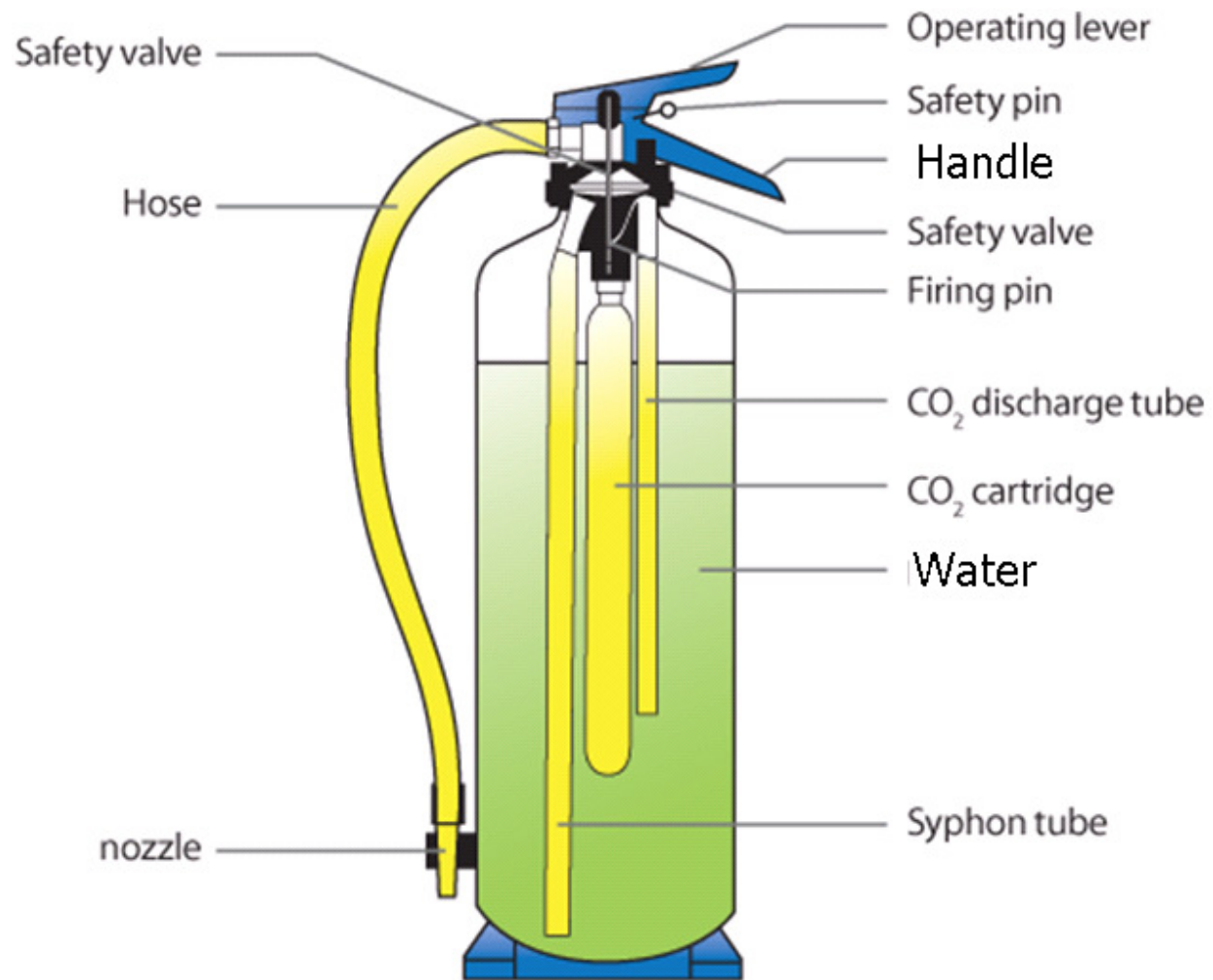


**Carbon dioxide extinguisher**

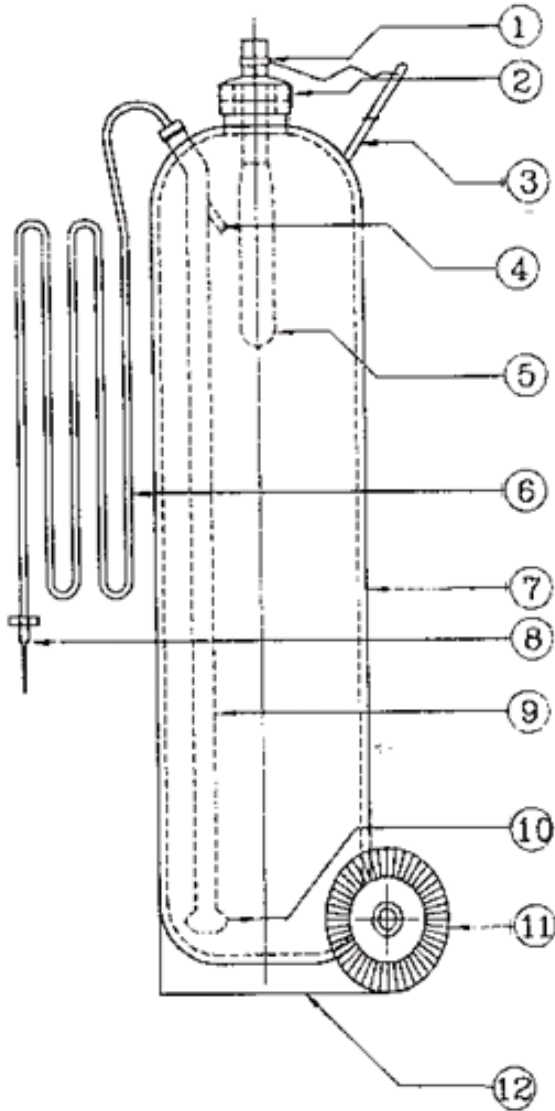
**CLEAN AGENT TYPE FIRE EXTINGUISHER**



**WATER CO<sub>2</sub> TYPE FIRE EXTINGUISHER**

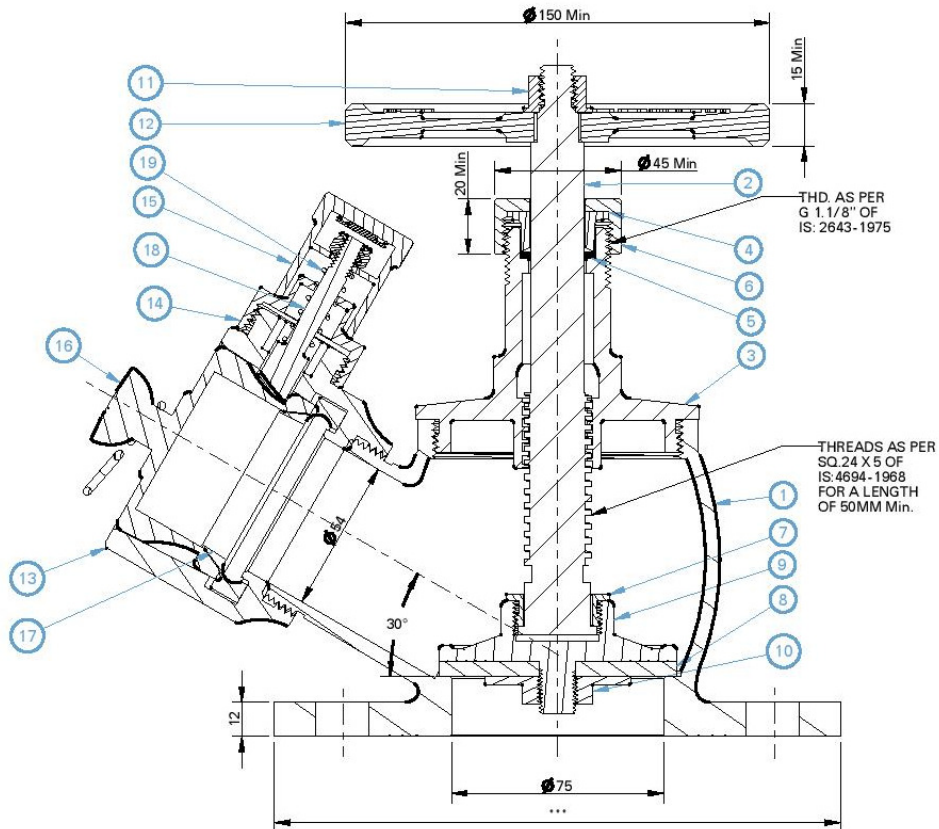


**MECHANICAL FOAM TROLLEY TYPE FIRE EXTINGUISHER**



No.	Component
1	Safety Clip
2	Cap
3	Handle
4	Snifter Valve
5	Gas Cartridge
6	Hose
7	Body
8	Nozzle
9	Syphon Tube
10	Strainer
11	Wheel
12	Bottom Ring

## SINGLE HEADED LANDING VALVE



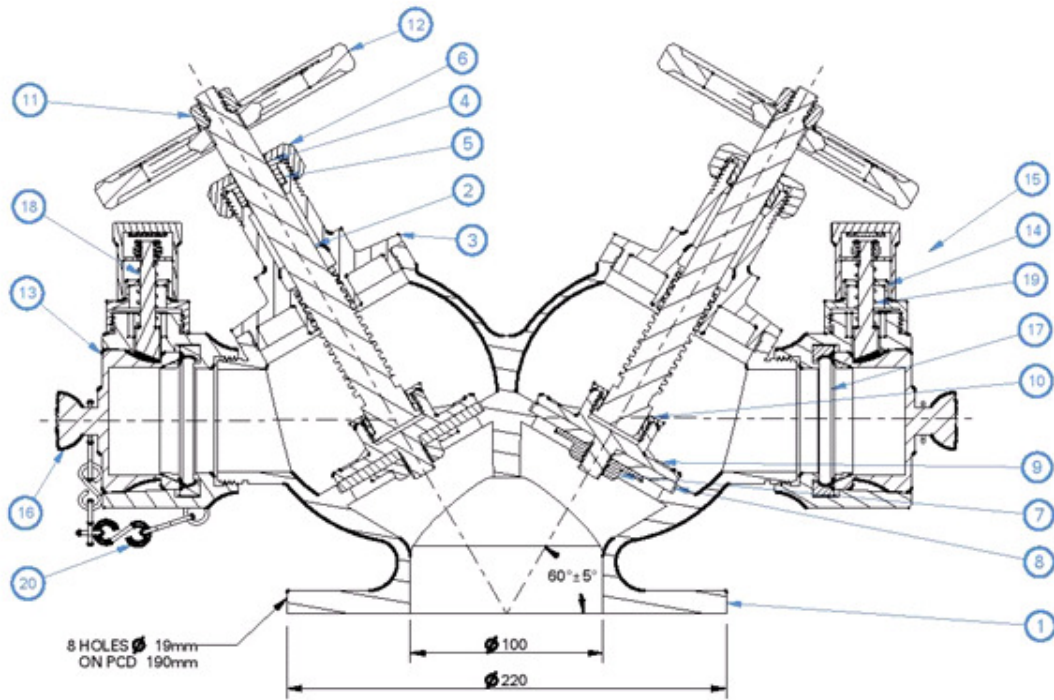
FLANGE DIMENSIONS

TABLE	FLANGE Ø	PCD	HOLES	HOLE Ø
IS: 1538	200 mm	160 mm	4	19 mm
ANSI B16.5 150#	190 mm	152 mm	4	19 mm

NO	DESCRIPTION	MATERIAL	NO	DESCRIPTION	MATERIAL
1	BODY	GM IS:318 LTB 2	11	HEX.NUT	M.S.
2	SPINDLE	BRASS IS:319	12	HAND WHEEL	C.I. IS: 210
3	BONNET	GM IS:318 LTB 2	13	FEMALE OUTLET	GM IS:318 LTB 2
4	GLAND BUSH	GM IS:318 LTB 2	14	LOWER LUG	GM IS:318 LTB 2
5	GLAND PACKING	ASBESTOSE ROPE	15	UPPER LUG	GM IS:318 LTB 2
6	GLAND NUT	GM IS:318 LTB 2	16	BLANK CAP	PVC
7	CHECK NUT (SPINDLE)	GM IS:318 LTB 2	17	RUBBER RING	RUBBER IS:937
8	SEAT WASHER	RUBBER IS:937	18	CAM TOOTH	GM IS:318 LTB 2
9	STOP VALVE	GM IS:318 LTB 2	19	SPRING	P.B WIRE IS:7608
10	SEAT CHECK NUT	GM IS:318 LTB 2	20	CHAIN	GALVANIZED

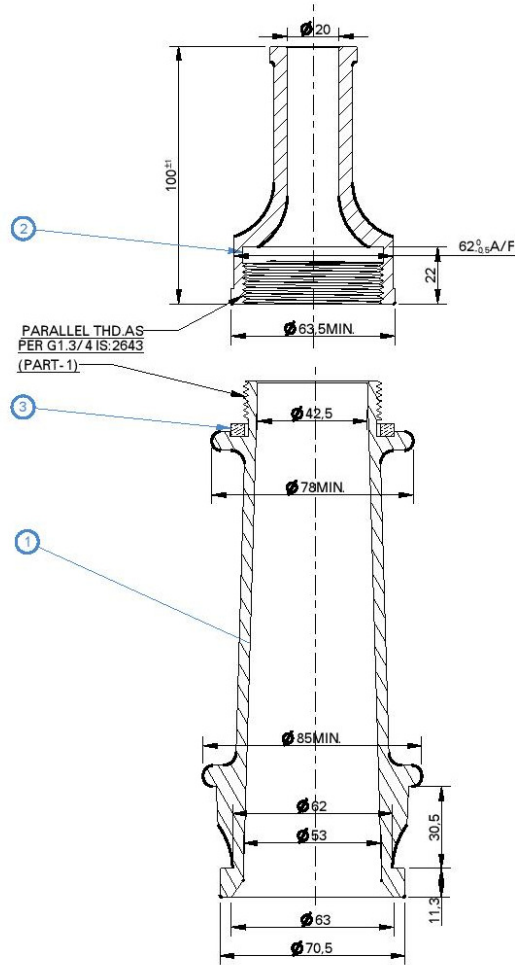


## DOUBLE HEADED LANDING VALVE



NO	DESCRIPTION	MATERIAL	NO	DESCRIPTION	MATERIAL
1	BODY	GM IS:318, LTB 2	11	HEX. NUT	M.S
2	SPINDLE	BRASS IS:319	12	HAND WHEEL	CI. IS:210
3	BONNET	GM IS:318, LTB 2	13	FEMALE OUTLET	GM IS:318, LTB 2
4	GLAND BUSH	GM IS:318, LTB 2	14	LOWER LUG	GM IS:318, LTB 2
5	GLAND PACKING	ASBESTOSE ROPE	15	UPPER LUG	GM IS:318, LTB 2
6	GLAND NUT	GM IS:318, LTB 2	16	BLANK CAP	G.M/P.V.C.
7	CHECK NUT (SPINDLE)	GM IS:318, LTB 2	17	RUBBER RING	RUBBER IS:937
8	SEAT WASHER	RUBBER IS:937	18	CAM TOOTH	GM IS:318, LTB 2
9	STOP VALVE	GM IS:318, LTB 2	19	SPRING	IS:7608
10	SEAT CHECK NUT	GM IS:318, LTB 2	20	CHAIN	GALVANIZED

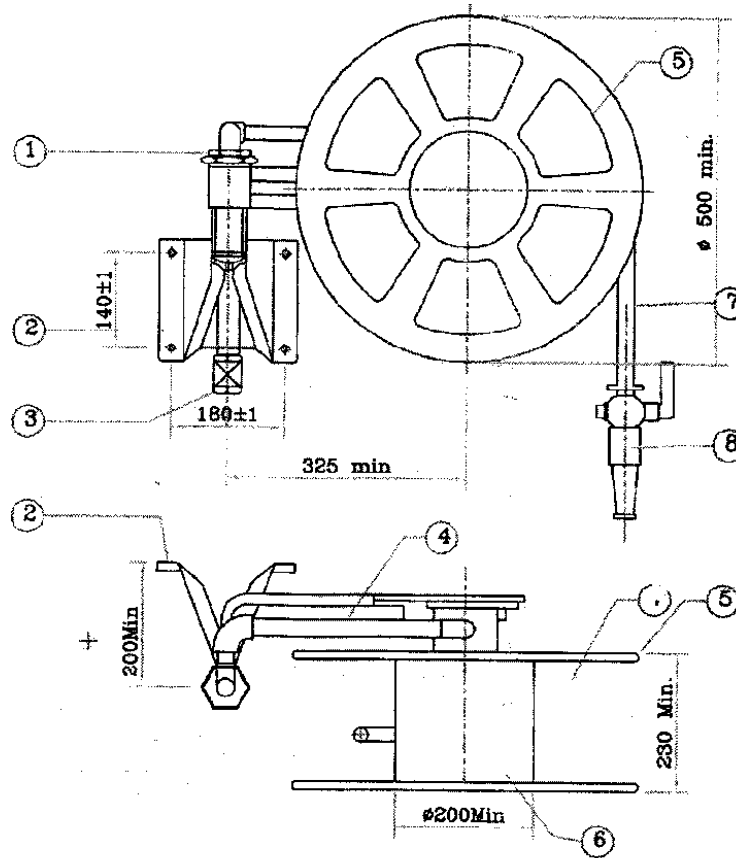
## BRANCH PIPE



NO.	DESCRIPTION	MATERIAL
1	BRANCH PIPE	G.M. IS: 318. LTB-2
2	NOZZLE	G.M. IS: 318. LTB-2
3	WASHER	RUBBER IS: 937 Type-B

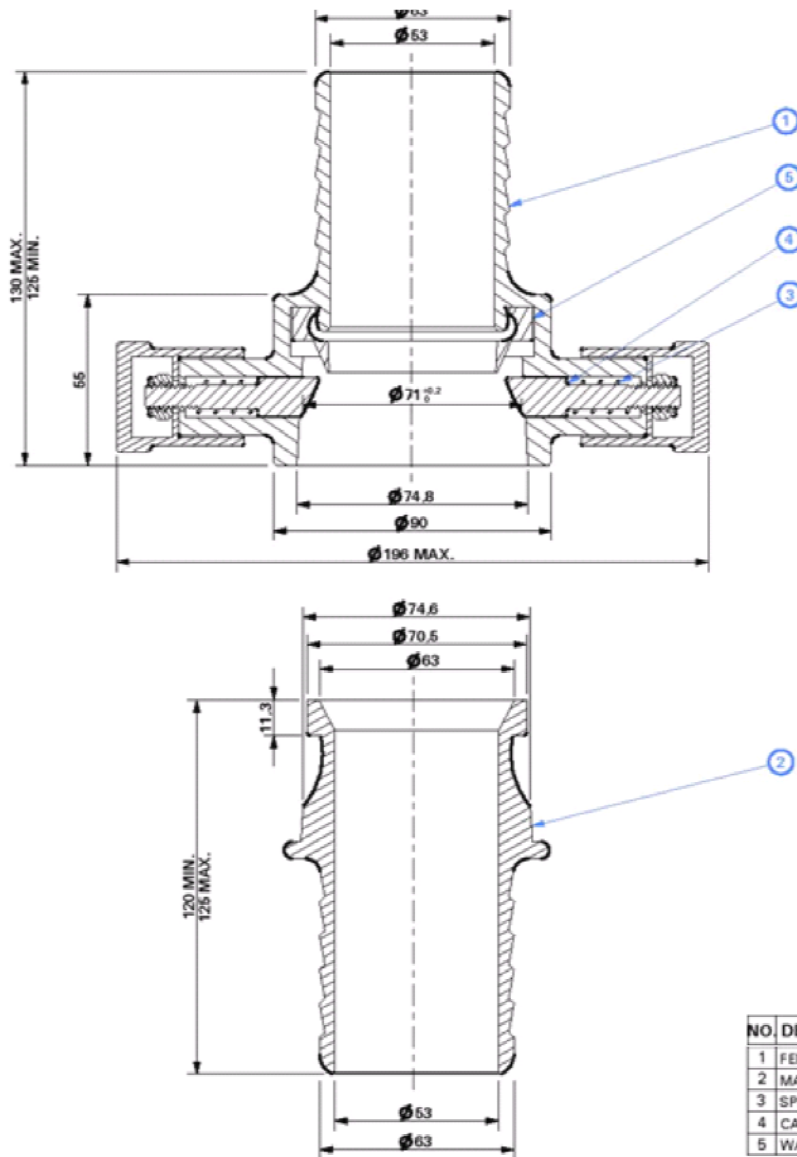


## HOSE REEL DRUM



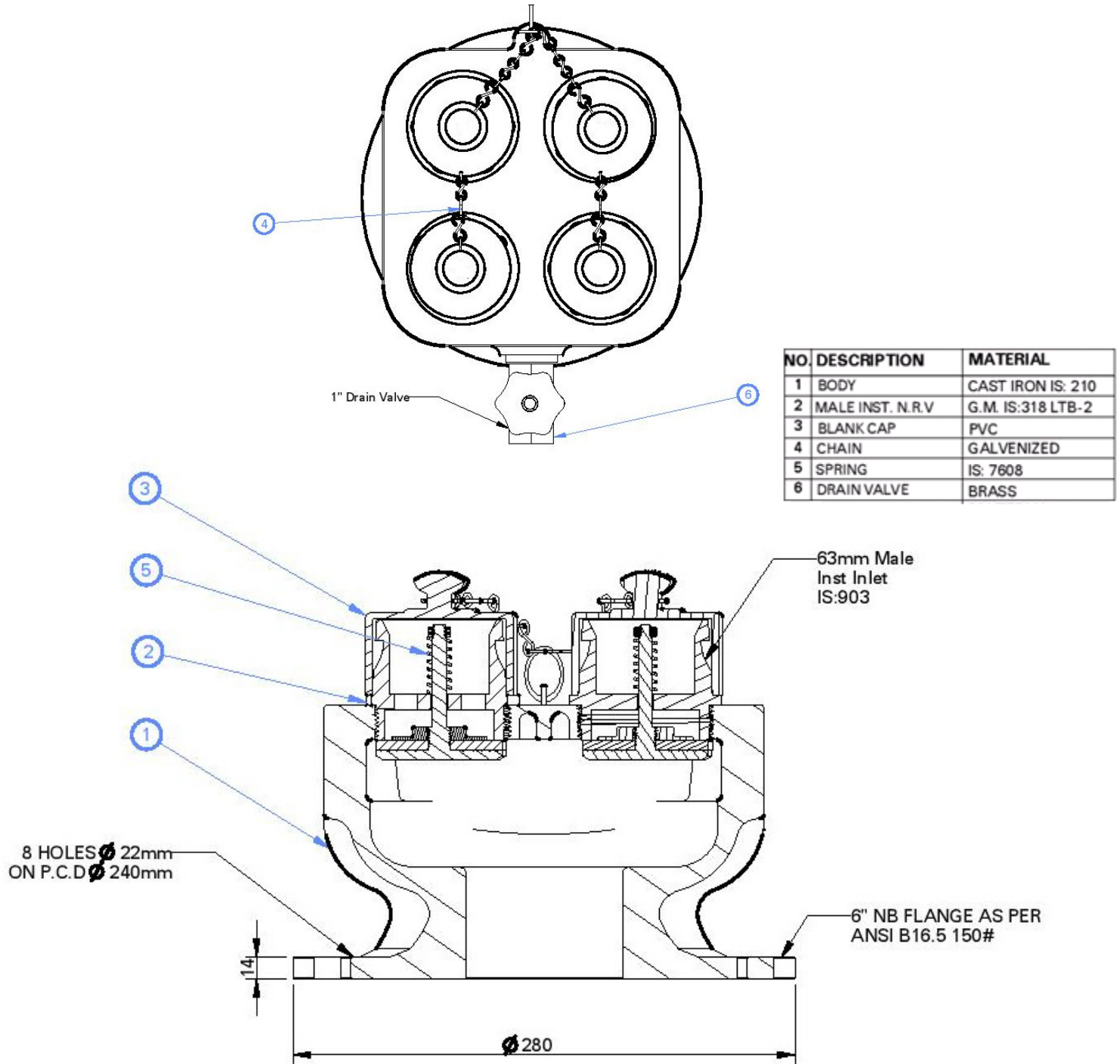
S.No.	Description	Material	Specification
1	Seivel Joint	Lead Tin Bronze	IS:318 LTB Gr-II
2	Wall Bracket	M.S.	IS:513
3	Inlet with 20 mm stop valve threads as per IS:2643 (PT-1)-1875	-	IS:778
4	Pipe with fitting	M.S.	IS:1239
5	Sides	M.S.	IS:513
6	Hub 200 mm	M.S.	IS:513
7	Hose 19 mm dia	Rubber	IS:444
8	Nozzle 63mm x 36.5 mm long	Lead Tin Bronze	IS:318 LTB Gr-II

## DELIVERY HOSE COUPLING

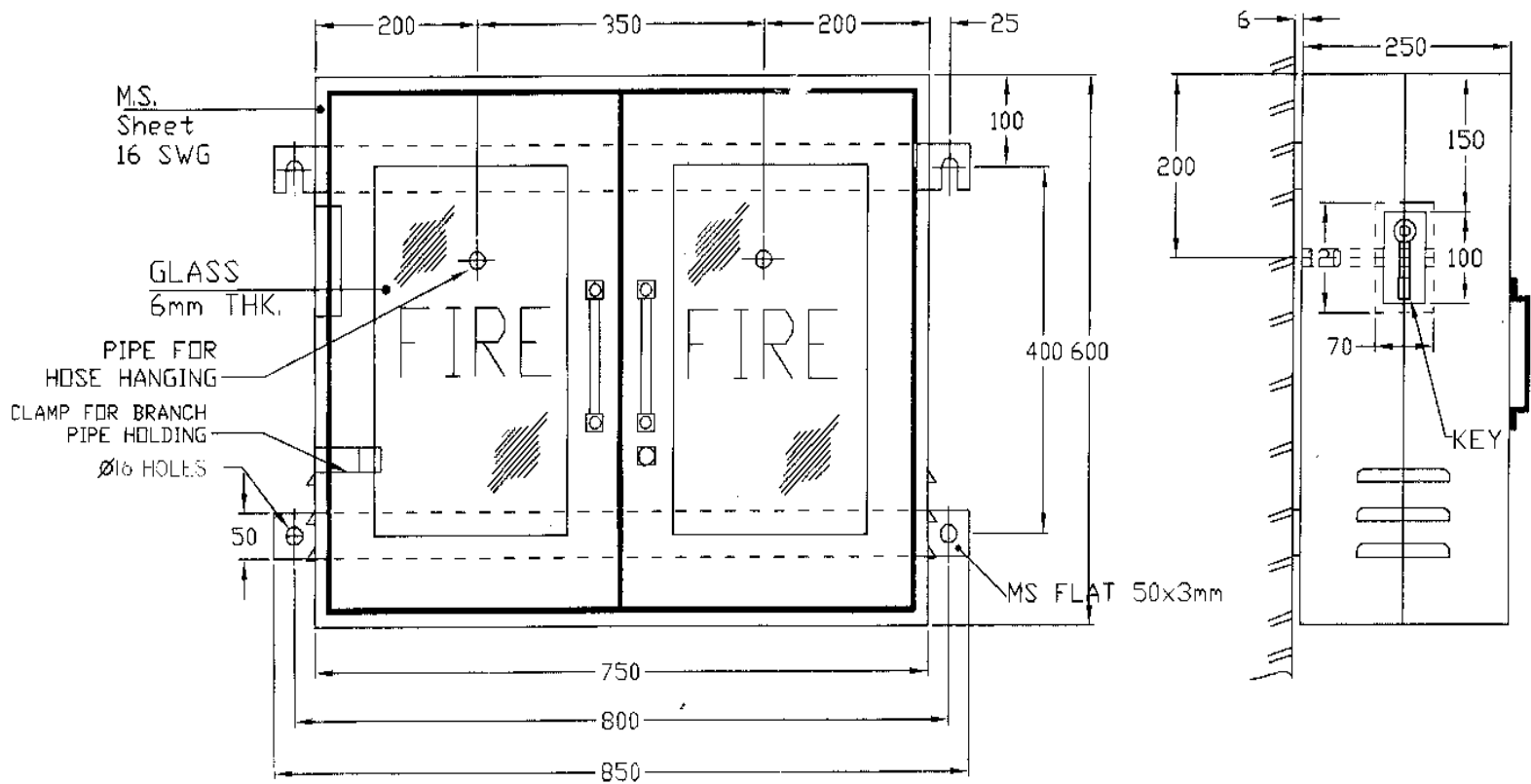


NO.	DESCRIPTION	MATERIAL
1	FEMALE COUPLING	G.M. IS.318 LTB-2
2	MALE COUPLING	G.M. IS.318 LTB-2
3	SPRING	IS.7608
4	CAM TOOTH	G.M. IS.318 LTB-2
5	WASHER	RUBBER IS.937

## 4 WAY INLET



## HOSE CABINET



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We are ready to support our clients from the enquiry stage right through to the delivery of the products. Furthermore, our services continue beyond the sales of the products.
















































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#37, Ground Floor, Raghusree Market, Ajmeri Gate, Delhi -110006 Contact: +91-11-23235293, 23238540, 23217785 E-mail: <a href="mailto:delhi@kalpataruindia.in">delhi@kalpataruindia.in</a>

‘KALPEX’ PRODUCT CHART - Select your Fire Extinguisher...							
TYPES OF FIRE EXTINGUISHERS	DRY POWDER ABC (STORED PRESSURE/ CARTRIDGE TYPE)	CARBON DI-OXIDE TYPE	WATER TYPE (STORED PRESSURE /GAS CARTRIDGE)	MECHANICAL FOAM TYPE (STORED PRESSURE /GAS CARTRIDGE)	DRY POWDER TTYPE	MODULAR/ABC/ BC POWDER TYPE	CLEAN AGNET TYPE
TYPE	PORTABLE	PORTABLE&TROLLEY MOUNTED	PORTABLE AND TROLLEY MOUNTED	PORTABLE AND TROLLEY MOUNTED	TROLLEY MOUNTED	PORTABLE	PORTABLE
PRODUCT IMAGE							
AVAILABLE CAPACITY	1KG, 2KG, 4KG, 6KG, 9KG IS:15683	2KG, 3KG, 4.5KG, 6.5KG, 9KG, 22.5KG IS:15683 & IS:16018	6 LTR, 9LTR, 50 LTR IS:15683&IS:16018	6 LTR, 9 LTR, 50 LTR IS:15683&IS:16018	25KG, 50KG, 75KG IS:16018	5 KG, 10KG, 15KG	2 KG, 4 KG, 6KG IS:15683
METHOD OF OPERATION	 Pull the pin	 Aim the extinguisher or nozzle at the base of the fire	 Squeeze the handle and release the extinguishing agent	 Sweep the extinguisher from side to side across the base of the fire until it appears to be out			
A CLASS FIRE SOLID - (Organic Material i.e., Wood, Paper, Rubber, Plastics, Clothes etc.)							
B CLASS FIRE LIQUID - (Flammable Liquid, Petrol, Paints, Spirits, Chemicals etc.)							
C CLASS FIRE GAS - (Cooking, Welding Gas, Electrical Fire etc.)							
D CLASS FIRE METAL - (Flammable Metals i.e., Sodium, Magnesium, Potassium)							
E CLASS FIRE ELECTRICAL (Electronics and Electricals Appliances)							
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