



# KalpEX™



## 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><br>Plot No. D-36, Sector A-2,<br>Trans Delhi Signature City,<br>Distt. Ghaziabad, U.P-201102<br><br><u>Contact Details:</u><br>+91 70428 92997<br>+91 98701 99904<br><br>e-mail: <a href="mailto:info@kalpataruindia.in">info@kalpataruindia.in</a><br>Website: <a href="http://www.kalpataruindia.in">www.kalpataruindia.in</a> | <u>Delhi Address</u><br>37, Ground Floor,<br>Raghushree Market,<br>Ajmeri Gate,<br>Delhi - 110006<br><br><u>Contact Details:</u><br>011-23235293, 23238540, 23217785<br>+91 99713 53999<br><br>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)<br>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 Registration*

This is to certify that

### **KALPATARU INDUSTRIES**

Plot No. D-36, Sector A-2, Trans Delhi Signature City (Formerly Known As Tronica City) Ghaziabad 201 102 Uttar Pradesh India

has been independently assessed by QRO  
and is compliant with the requirements of:

**ISO 9001:2015**

### **Quality Management System**

For the following scope of activities:

*Manufacturer and Servicing of All Types Fire Extinguishers with  
All Types of Fire Fighting Accessories*

Date of Certification: 20<sup>th</sup> April 2017

1<sup>st</sup> Surveillance Audit Due: 19<sup>th</sup> March 2018

2<sup>nd</sup> Surveillance Audit Due: 19<sup>th</sup> March 2019

Certificate Expiry: 19<sup>th</sup> March 2020

**Certificate Number: 1042017022A**



Head of Certification

Validity of this certificate is subject to annual surveillance audits to be done successfully on or before 365 days from date of the audit.  
(In case if surveillance audit is not allowed to be conducted: this certificate shall be suspended / withdrawn).

The Validity of this certificate can be verified at [www.grocet.com](http://www.grocet.com)

This certificate of registration remains the property of QRO Certification LLP, and shall be returned immediately upon request.



India Office: QRO Certification LLP  
311, Aggarwal Modern Bazar, C-33, Lawrence Road, Delhi - 110036, India  
[info@grocet.com](mailto:info@grocet.com), website: [www.grocet.com](http://www.grocet.com)



## 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)

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

*Daniel..*  
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)



## 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](mailto:gzo@bis.org.in)

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

ATTACHMENT TO LICENCE NO. CML/- 8700061214

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

ENDORSEMENT NO. 2 Dated 08.04.2018

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.

(SUNJAY KUMAR).  
SCIENTIST E & HEAD



भारतीय मानक ब्यूरो  
BUREAU OF INDIAN STANDARDS

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

Ghaziabad Branch Office

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<br>Plot No. D-36, Sector A-2, Tronica City,<br>Industrial Area<br>Loni<br>Uttar Pradesh<br>201102 | Portable fire<br>extinguishers-performance and<br>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<br>City : Khekra<br>Dist : Bagpat<br>State : Uttar Pradesh<br>Pin : 201101<br>Tel : 0121-233140 | 30/09/2018           | Operative               | PADMINI and KALPEX<br>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<br>City : Khekra<br>Dist : Bagpat<br>State : Uttar Pradesh<br>Pin : 201101<br>Tel : 0121-233140 | 30/09/2018           | Operative               | Typ<br>2-12.50mm to 38.00mm NB<br>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<br>City : Khekra<br>Dist : Bagpat<br>State : Uttar Pradesh<br>Pin : 201101<br>Tel : 0121-233140 | 30/09/2018           | Operative               | PADMINI and KALPEX<br>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<br>City : Khekra<br>Dist : Bagpat<br>State : Uttar Pradesh<br>Pin : 201101<br>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       | PADAMINI INDUSTRIES LTD., Village- Dunduhera (Delhi-Saharanpur Road, Khekra<br>Dist : Bagpat<br>State : Uttar Pradesh<br>Pin : 201101<br>Tel : 0121 2233518   | 30/09/2018           | Operative               | PADMINI and KALPEX<br>Fire House delivery couplings Size |

**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>                                       |
|----------------|---------------|---|----------------------|-------------------------|---|
| IS 5290 : 1993 |               | Specification for landing valves  |                      |                         |   |
| 10             | 8932796       | PADMINI INDUSTRIES LTD,<br>Village-Dunduhera,(Delhi-Saharanpur Road) P.O. Khekra<br>Dist : Bagpat<br>State : Uttar Pradesh<br>Pin : 201101<br>Tel : 0121 2233518  | 30/09/2018           | Operative               | <a href="#">PADMINI and KALPEX Type A, Material LTB-2 &amp; SS and Type</a> |
| IS 5894 : 1980 |               | Specification for Rubber Hose for Sand Blasting   |                      |                         |   |
| 11             | 8523880       | PADMINI INDUSTRIES LTD., VILLAGE-DUNDUHERA,<br>DELHI-SAHARANPUR ROAD,<br>City : Khekra<br>Dist : Bagpat<br>State : Uttar Pradesh<br>Pin : 201101<br>Tel : 0121-233140   | 31/12/2013           | Expired                 |   |
| IS 2396 : 1988 |               | Specification for Rubber Hose for Fuel Dispensing   |                      |                         |   |
| 12             | 8509886       | PADMINI INDUSTRIES LTD., VILLAGE-DUNDUHERA,<br>DELHI-SAHARANPUR ROAD, P. O. KHEKRA - 201 101,<br>DISTT. BAGHPAT<br>City : Khekra<br>Dist : Bagpat<br>State : Uttar Pradesh<br>Pin : 201101<br>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,<br>DELHI-SAHARANPUR ROAD, P. O. KHEKRA - 201 101,<br>DISTT. BAGHPAT<br>City : Khekra<br>Dist : Bagpat<br>State : Uttar Pradesh<br>Pin : 201101<br>Tel : 0121-233140 | 30/09/2018           | Operative               | <a href="#">Type 1-25mm to 250mm NB<br/>Type 2-25mm to 250mm NB</a>         |
| IS 8423 : 1994 |               | Specification for controlled percolating hose for fire fighting   |                      |                         |   |
| 14             | 8618891       | PADMINI INDUSTRIES LTD., VILLAGE-DUNDUHERA,<br>DELHI-SAHARANPUR ROAD, P. O. KHEKRA - 201 101,<br>DISTT. BAGHPAT<br>City : Khekra<br>Dist : Bagpat<br>State : Uttar Pradesh<br>Pin : 201101<br>Tel : 0121-233140 | 30/09/2018           | Operative               | <a href="#">PADMINI and KALPEX Type : Synthetic Yarn, Size 38 to 70</a>     |

**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-Dunduhera, (Delhi-Saharanpur Road)<br>City : Khekara<br>Dist : Bagpat<br>State : Uttar Pradesh<br>Pin : 201101<br>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 -<br>City : Khekra<br>Dist : Bagpat<br>State : Uttar Pradesh<br>Pin : 201101<br>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<br>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 <sup>0</sup> C to +55 <sup>0</sup> C                |
| Operating valve                                    | Squeeze grip type                                       |
| Application  | Class A, B, C & E                                       |
| Fire Rating  | 1A, 8B  |

| <b>DRY POWDER STORED PRESSURE (ABC) FIRE EXTINGUISHER</b> |   |
|---|---|
| Manufacturer  | Kalpataru Industries                                    |
| Make  | KalpEX  |
| Certification & Approvals                                 | IS: 15683<br>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   |

| <b>DRY POWDER STORED PRESSURE (ABC) FIRE EXTINGUISHER</b> |  |
|---|--|
| Manufacturer  | Kalpataru Industries                                       |
| Make  | KalpEX   |
| Certification & Approvals                                 | IS: 15683<br>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<br>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  |

| <b>DRY POWDER STORED PRESSURE (ABC) FIRE EXTINGUISHER</b> |  |
|---|--|
| Manufacturer  | Kalpataru Industries                                       |
| Make  | KalpEX   |
| Certification & Approvals                                 | IS: 15683<br>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<br>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  |

| <b>CARBON DIOXIDE (CO<sub>2</sub>) TYPE FIRE EXTINGUISHER</b> |   |
|---|---|
| Manufacturer  | Kalpataru Industries                        |
| Make  | KalpEX                                      |
| Certification & Approvals                                     | IS: 15683<br>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 Kgf/cm <sup>2</sup>                      |
| Testing Pressure  | 250 Kgf/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  |

| <b>CARBON DIOXIDE (CO<sub>2</sub>) TYPE FIRE EXTINGUISHER</b> |   |
|---|---|
| Manufacturer  | Kalpataru Industries                        |
| Make  | KalpEX                                      |
| Certification & Approvals                                     | IS: 15683<br>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   |

| <b>CARBON DIOXIDE (CO<sub>2</sub>) TYPE FIRE EXTINGUISHER</b> |   |
|---|---|
| Manufacturer  | Kalpataru Industries                        |
| Make  | KalpEX                                      |
| Certification & Approvals                                     | IS: 15683<br>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<br>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                                 |

| <b>CARBON DIOXIDE (CO<sub>2</sub>) TROLLEY TYPE FIRE EXTINGUISHER</b> |   |
|---|---|
| Manufacturer  | Kalpataru Industries                        |
| Make  | KalpEX                                      |
| Certification & Approvals   | IS: 2878<br>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                                 |

| <b>CARBON DIOXIDE (CO<sub>2</sub>) TROLLEY TYPE FIRE EXTINGUISHER</b> |   |
|---|---|
| Manufacturer  | Kalpataru Industries                        |
| Make  | KalpEX                                      |
| Certification & Approvals   | IS: 2878<br>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                                 |

| <b>MECHANICAL FOAM TYPE (STORED PRESSURE) FIRE EXTINGUISHER</b> |   |
|---|---|
| Manufacturer  | Kalpataru Industries  |
| Make  | KalpEX  |
| Certification & Approvals                                       | IS: 15683<br>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  |

| <b>MECHANICAL FOAM TYPE (STORED PRESSURE) FIRE EXTINGUISHER</b> |   |
|---|---|
| Manufacturer  | Kalpataru Industries  |
| Make  | KalpEX  |
| Certification & Approvals                                       | IS: 15683<br>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  |

| <b>WATER TYPE (STORED PRESSURE) FIRE EXTINGUISHER</b> |   |
|---|---|
| Manufacturer  | Kalpataru Industries                            |
| Make  | KalpEX  |
| Certification & Approvals                             | IS: 15683<br>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  |

| <b>WATER TYPE (STORED PRESSURE) FIRE EXTINGUISHER</b> |   |
|---|---|
| Manufacturer  | Kalpataru Industries                            |
| Make  | KalpEX  |
| Certification & Approvals                             | IS: 15683<br>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<br>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<br>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   |

| <b>CLEAN AGENT TYPE FIRE EXTINGUISHER</b>      |   |
|--|---|
| Manufacturer                                   | Kalpataru Industries                            |
| Make   | KalpEX  |
| Certification & Approvals                      | IS: 15683<br>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   |

| <b>AUTOMATIC MODULAR (ABC TYPE) FIRE EXTINGUISHER</b> |                                   |
|---|-----------------------------------|
| 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                          |

| <b>AUTOMATIC MODULAR (ABC TYPE) FIRE EXTINGUISHER</b> |                                   |
|---|-----------------------------------|
| 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                          |

| <b>AUTOMATIC MODULAR (CLEAN AGENT TYPE) FIRE EXTINGUISHER</b> |                       |
|---|-----------------------|
| 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)   | 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              |

| <b>AUTOMATIC MODULAR (CLEAN AGENT TYPE) FIRE EXTINGUISHER</b> |                        |
|---|------------------------|
| 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               |

| <b>AUTOMATIC MODULAR (CLEAN AGENT TYPE) FIRE EXTINGUISHER</b> |                        |
|---|------------------------|
| 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)   | 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               |

| <b>KITCHEN FIRE PORTABLE TYPE FIRE EXTINGUISHER (STORED PRESSURE TYPE)</b> |  |
|--|--|
| 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 Kgf/cm <sup>2</sup>                 |
| Testing Pressure   | 35 Kgf/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 |

| <b>LANDING VALVE SINGLE OUTLET</b>        |   |
|---|---|
| Mktd. by                                  | Kalpataru Industries  |
| Make                                      | KalpEX  |
| Code & Standard                           | IS:5290 Type-'A'  |
| Size                                      | 63 mm   |
| Body                                      | Copper Alloy as per IS:318, LTB-II/<br>Stainless Steel (Grade 304) /<br>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) /<br>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) /<br>Aluminium Alloy    |
| Instantaneous Female Outlet               | Copper Alloy as per IS:318, LTB-II/ Stainless Steel (Grade 304) /<br>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                                    | Phospher 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>  |

| <b>LANDING VALVE DOUBLE OUTLET</b> |  |
|------------------------------------|--|
| Mktd. by                           | Kalpataru Industries   |
| Make                               | KalpEX   |
| Code & Standard                    | IS:5290 Type-'B'   |
| Size                               | 63 mm  |
| Body                               | Copper Alloy (LTB Grade 2) /<br>Stainless Steel (Grade 304) /<br>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) /<br>Aluminium Alloy    |
| Packing                            | Asbestos   |
| Hand Wheel                         | Cast Iron  |
| Bonnet                             | Copper Alloy (LTB Grade 2) / Stainless Steel (Grade 304) /<br>Aluminium Alloy    |
| Instantaneous Female Outlet        | Copper Alloy (LTB Grade 2) / Stainless Steel (Grade 304) /<br>Aluminium Alloy    |
| Blank Cap                          | ABS Plastic  |
| Washer                             | Rubber   |
| Spring                             | Phospher Wire /<br>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 Kgf/cm <sup>2</sup>   |
| Hydraulic Pressure Test            | 21 Kgf/cm <sup>2</sup>   |
| Flow Test                          | 1800 LPM   |

| <b>FIRE FIGHTING RRL DELIVERY HOSE</b> |                            |                 |                 |                 |
|--|----------------------------|-----------------|-----------------|-----------------|
| 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% |                 |                 |                 |

| <b>BRANCH PIPE NOZZLE</b> |   |
|---------------------------|---|
| 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<br>Stainless Steel (Grade 304)<br>Aluminium Alloy |
| Washer Used               | Rubber as per IS:937  |
| Hydraulic Pressure Test   | 21 Kgf/cm <sup>2</sup>  |

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

| <b>SWINGING TYPE WALL MOUNTING HOSE REEL</b> |   |
|--|---|
| 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  |

| <b>GENERAL PURPOSE RUBBER WATER HOSE</b> |                           |                 |                 |                 |
|--|---------------------------|-----------------|-----------------|-----------------|
| 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                  |                 |                 |                 |

| <b>THERMOPLASTIC HOSE FOR WATER</b> |  |                       |  |
|-------------------------------------|--|-----------------------|--|
| Mktd. by                            |  | Kalpataru Industries  |  |
| Make                                |  | KalpEX                |  |
| Code & Standard                     |  | IS:12585-1988 TYPE-II |  |
| <b>S.NO.</b>                        | <b>PARAMETERS</b>  | <b>CLAUSE NO.</b>     | <b>REQUIREMENT</b>   |
| 1                                   | <b>Construction:</b>   | 4.1                   |  |
|                                     | Lining   | 4.1.1                 | Smooth in bore   |
|                                     | Reinforcement  | 4.1.2                 | Natural & Synthetic Textile Reinforcement<br>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<br>a) Proof Pressure<br>b) Bursting Pressure | 4.3.3                 | 1.6 MPa<br>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.<br><br>2. Maximum increase of stiffness must be less than 15 times. |

| <b>CONTROLLED PERCOLATING HOSE</b> |                      |           |           |           |
|------------------------------------|----------------------|-----------|-----------|-----------|
| 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 Kgf/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  |

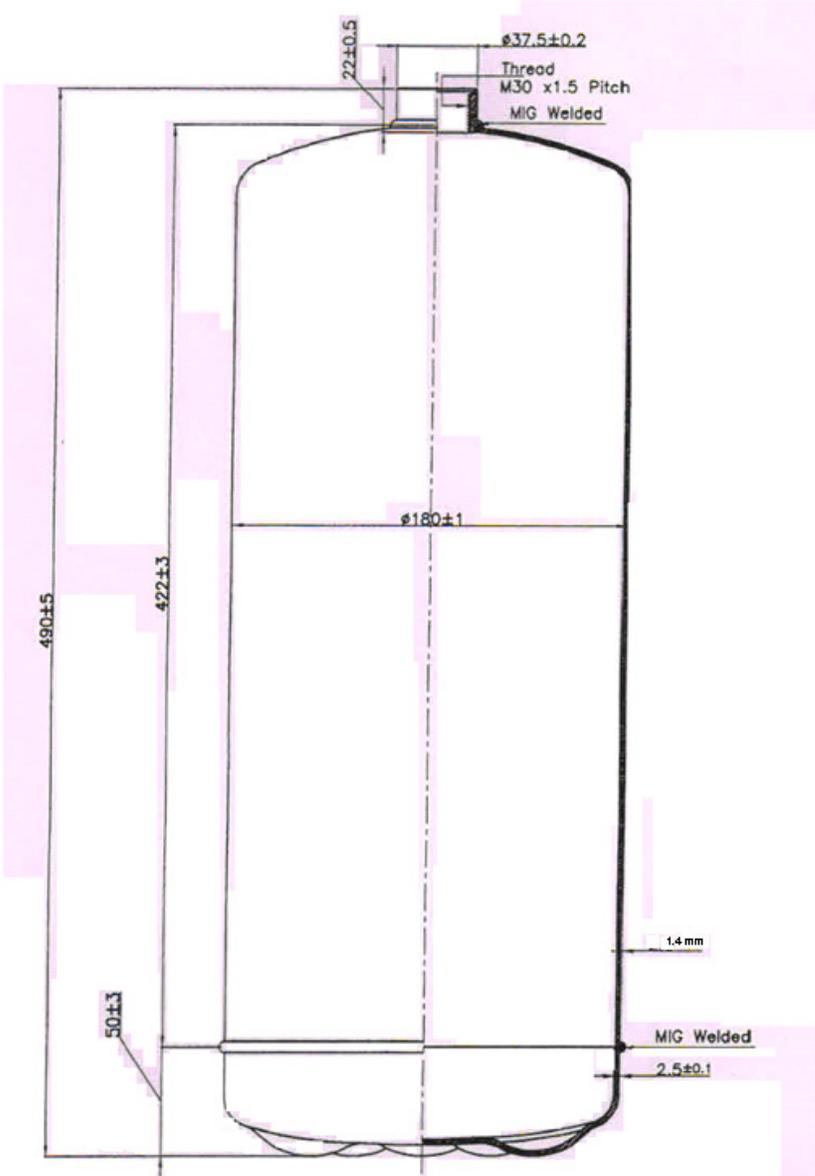
| TECHNICAL DATA SHEET FOR THREE WAY FIRE BRIGADE INLET (3 WAY) |   |
|---|---|
| Mktd. by  | Kalpataru Industries                              |
| Make  | KalpEX  |
| Inlet   | 3 Nos Male Instantaneous Adaptor (63 mm) with NRV |
| Outlet  | 150 mm NB Flanged (IS: 1538 / ANSI B 16.5 150#)   |
| Material 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  |

| <b>TECHNICAL DATA SHEET FOR FOUR WAY FIRE BRIGADE INLET (4 WAY)</b> |  |
|---|--|
| 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   |

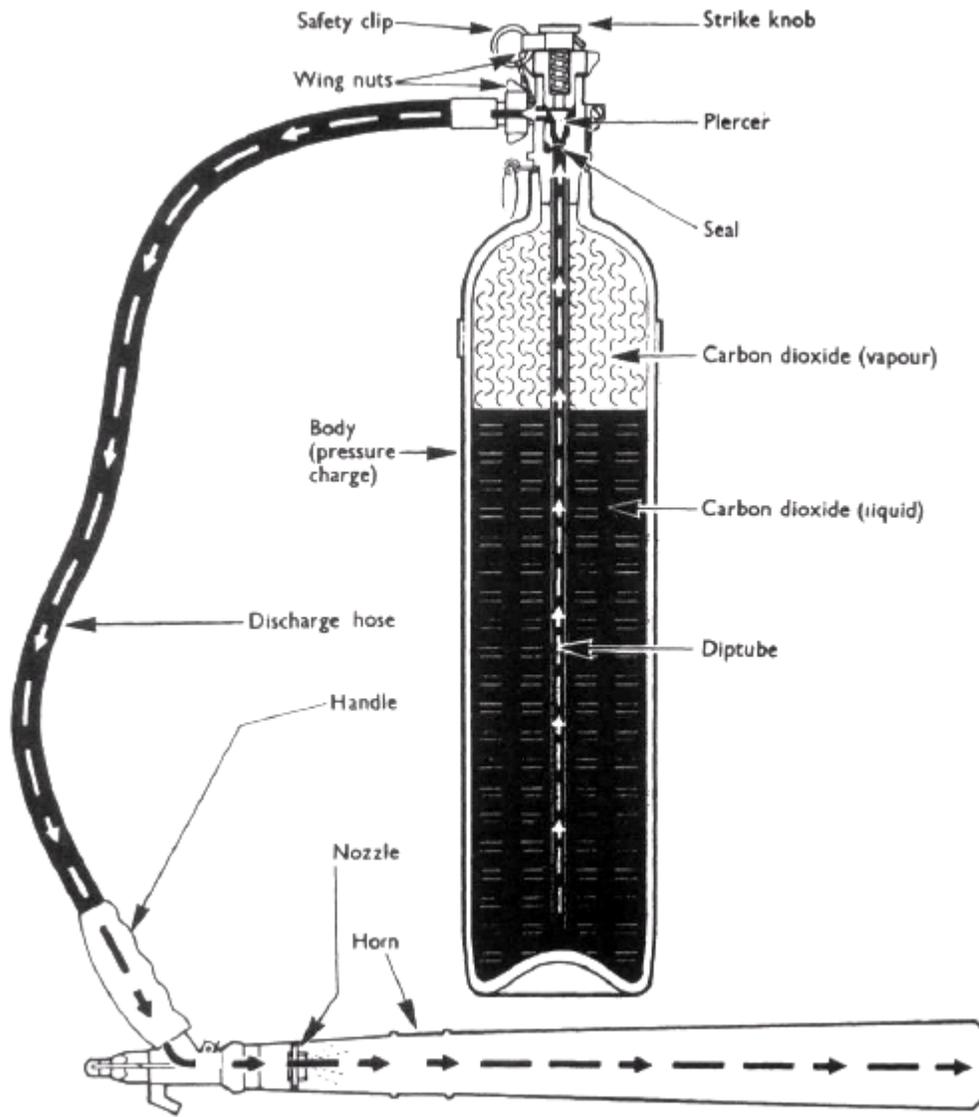
| <b>TECHNICAL DATA SHEET FOR HOSE CABINET</b> |  |
|--|--|
| Manufacture                                  | Kalpataru Industries   |
| Make   | KalpEX   |
| Size   | 30''x 24'' x 10''  |
| Type   | Wall Mounted   |
| Front  | Double Door Front with 3 mm Thick Acrylic Sheet  |
| Material of Construction                     | 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 .<br>Inside : Two coats of White Paint over two coats of Red oxide Primer . |
| Marking                                      | “ FIRE HOSE”   |

# **DRAWINGS**

**ABC STORED PRESSURE TYPE FIRE EXTINGUISHER**

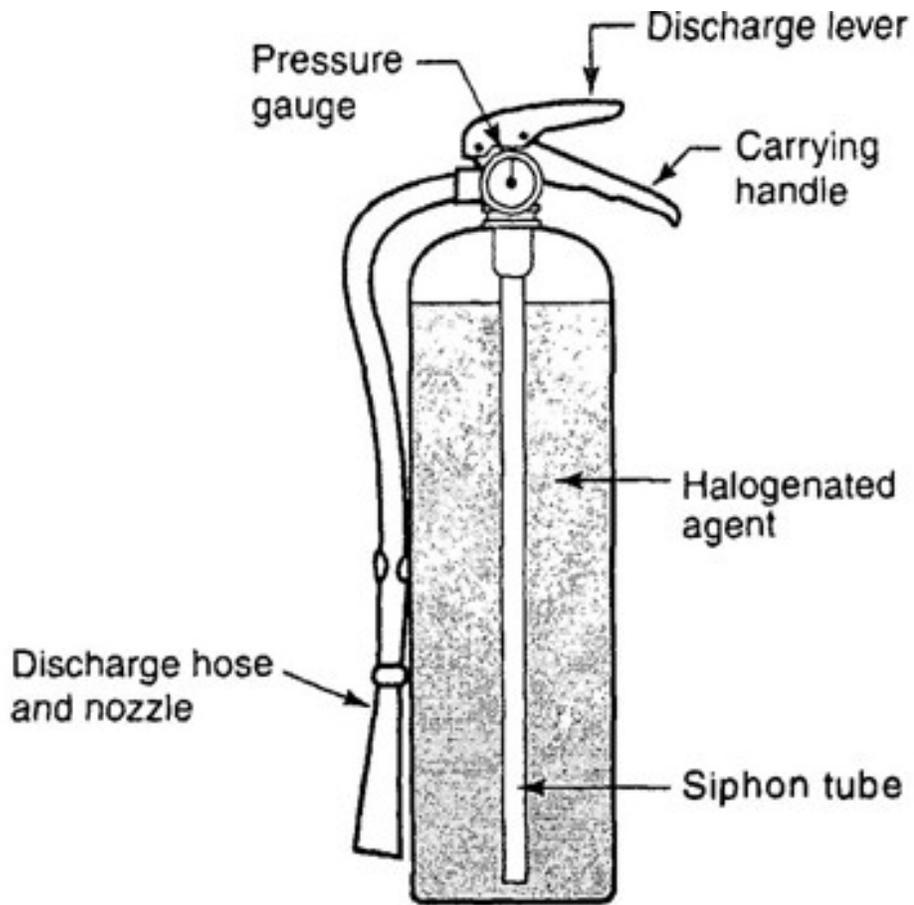


**CO2 TYPE FIRE EXTINGUISHER**

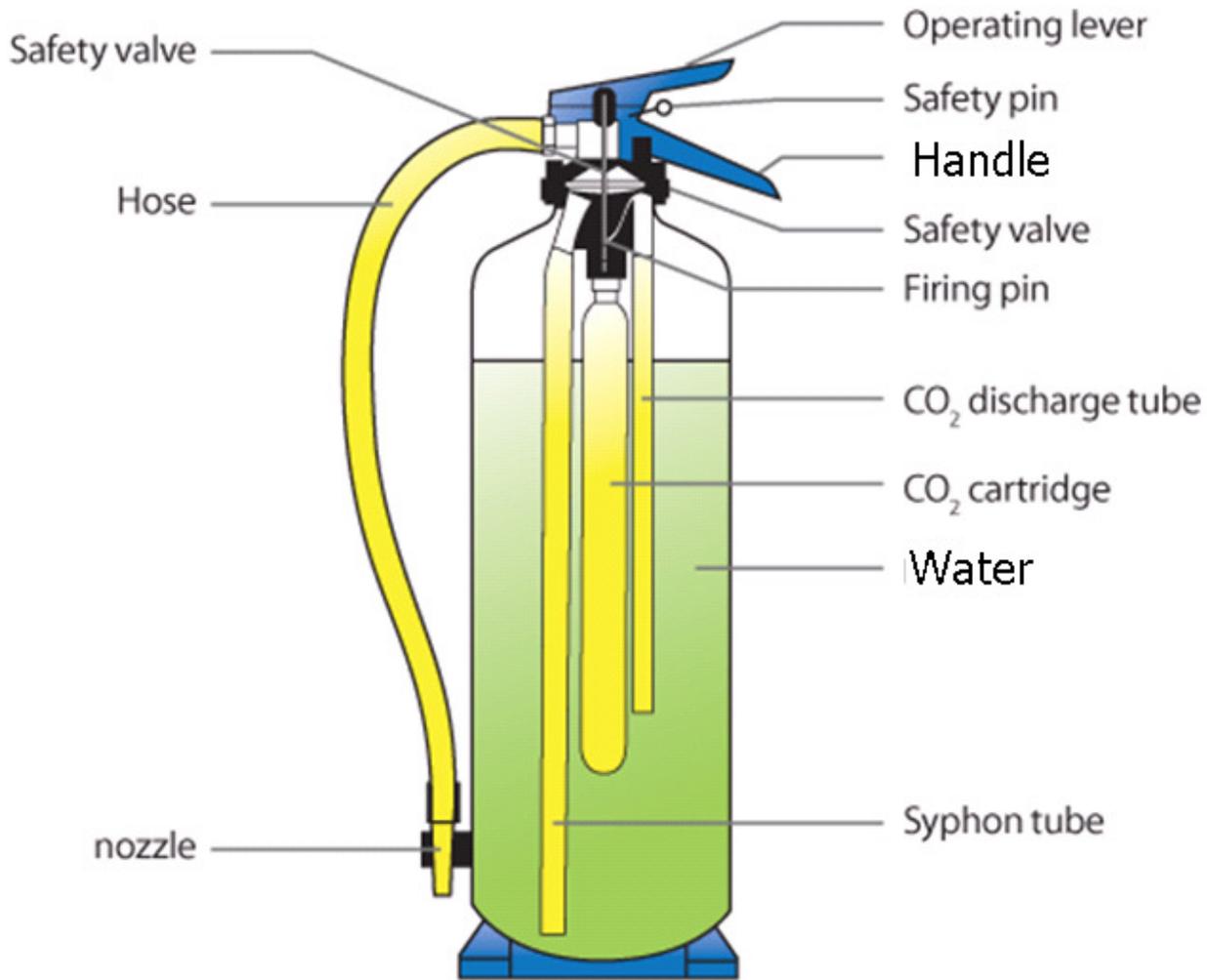


**Carbon dioxide extinguisher**

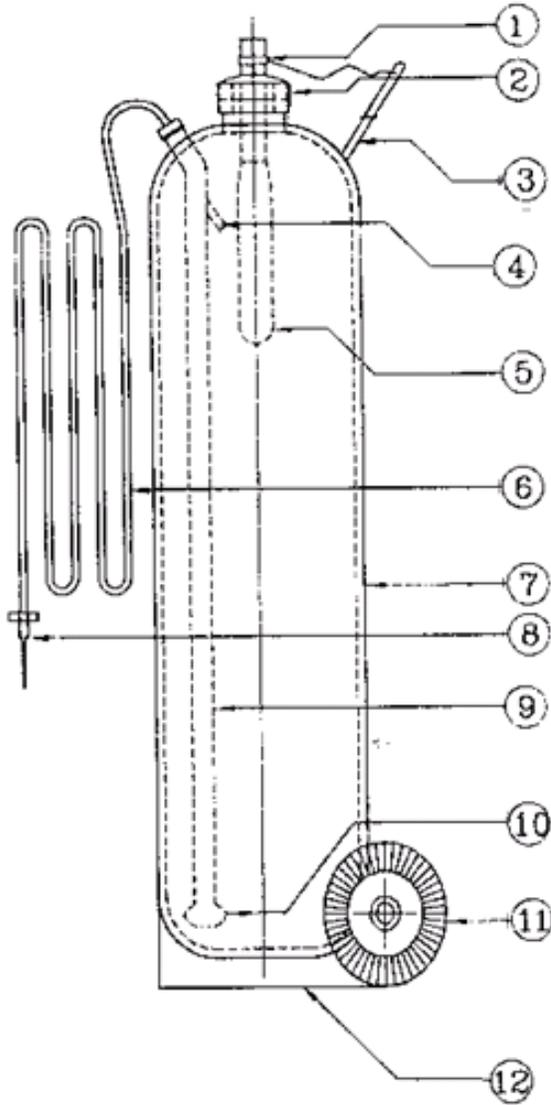
**CLEAN AGENT TYPE FIRE EXTINGUISHER**



**WATER CO2 TYPE FIRE EXTINGUISHER**

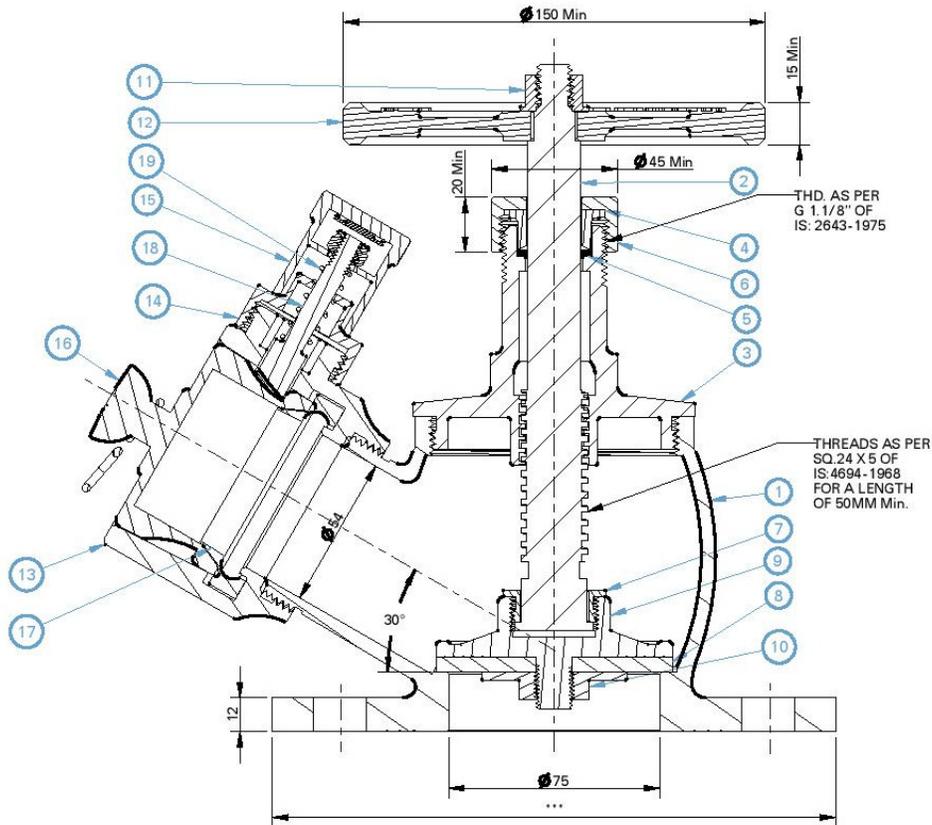


**MECHANICAL FOAM TROLLEY TYPE FIRE EXTINGUISHER**



| 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

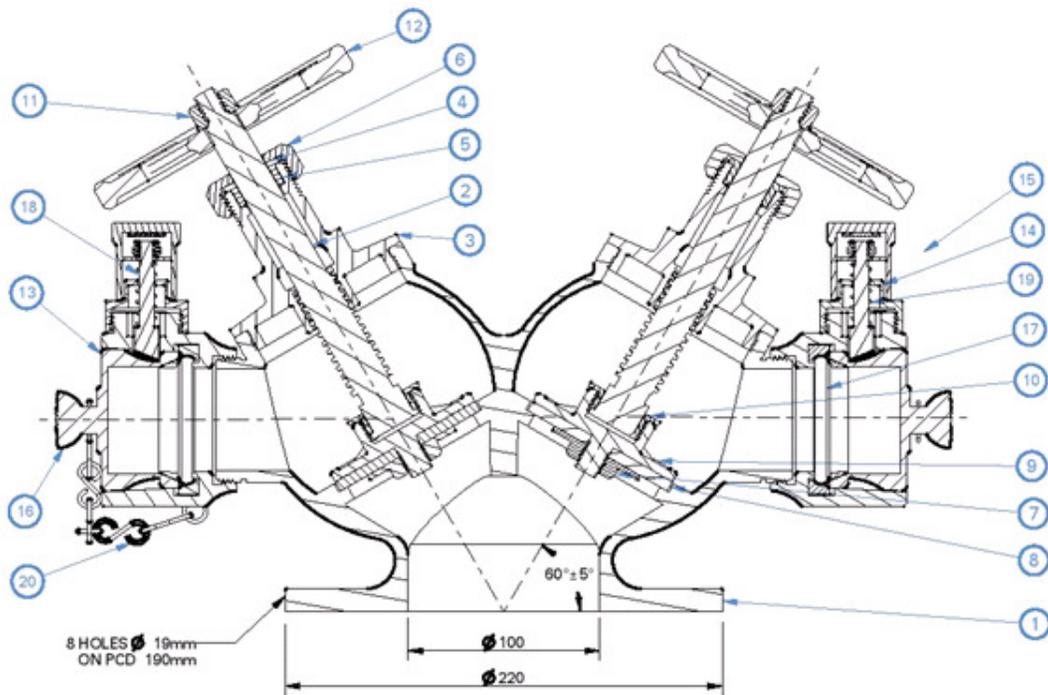


FLANGE DIMENSIONS

| 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  |

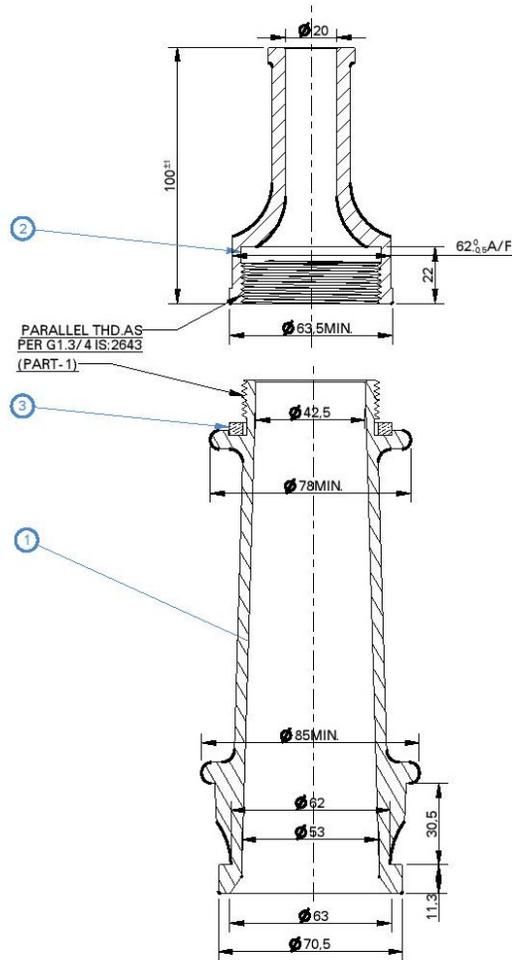
| NO | DESCRIPTION         | MATERIAL        | NO | DESCRIPTION   | MATERIAL         |
|----|---------------------|-----------------|----|---------------|------------------|
| 1  | BODY                | GM IS:318 LTB 2 | 11 | HEX.NUT       | M.S.             |
| 2  | SPINDLE             | BRASS IS:319    | 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



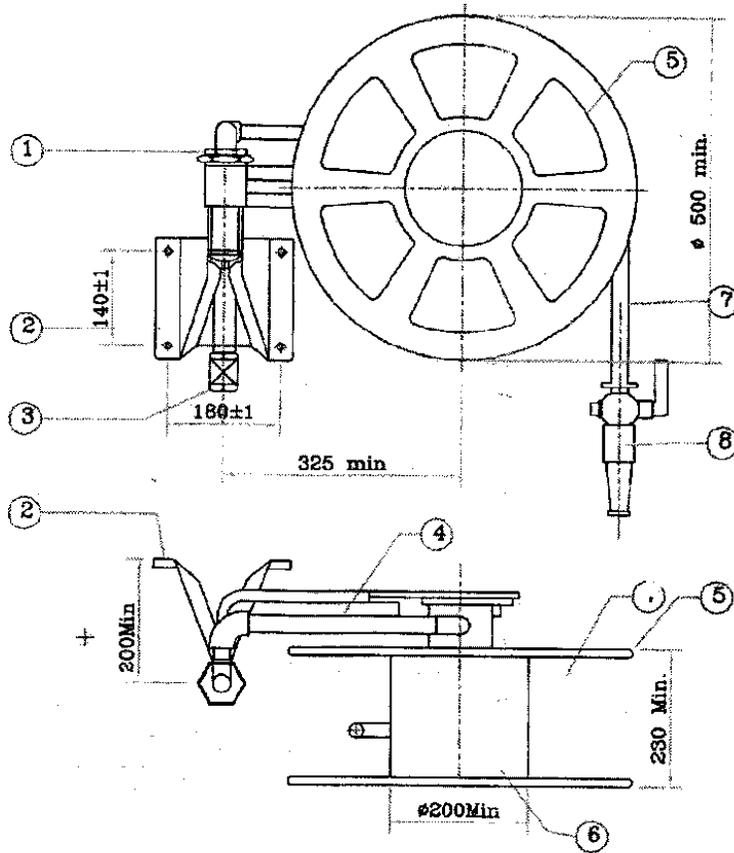
| NO | DESCRIPTION         | MATERIAL         | NO | DESCRIPTION   | MATERIAL         |
|----|---------------------|------------------|----|---------------|------------------|
| 1  | BODY                | GM IS:318, LTB 2 | 11 | HEX. NUT      | M.S              |
| 2  | SPINDLE             | BRASS IS:319     | 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



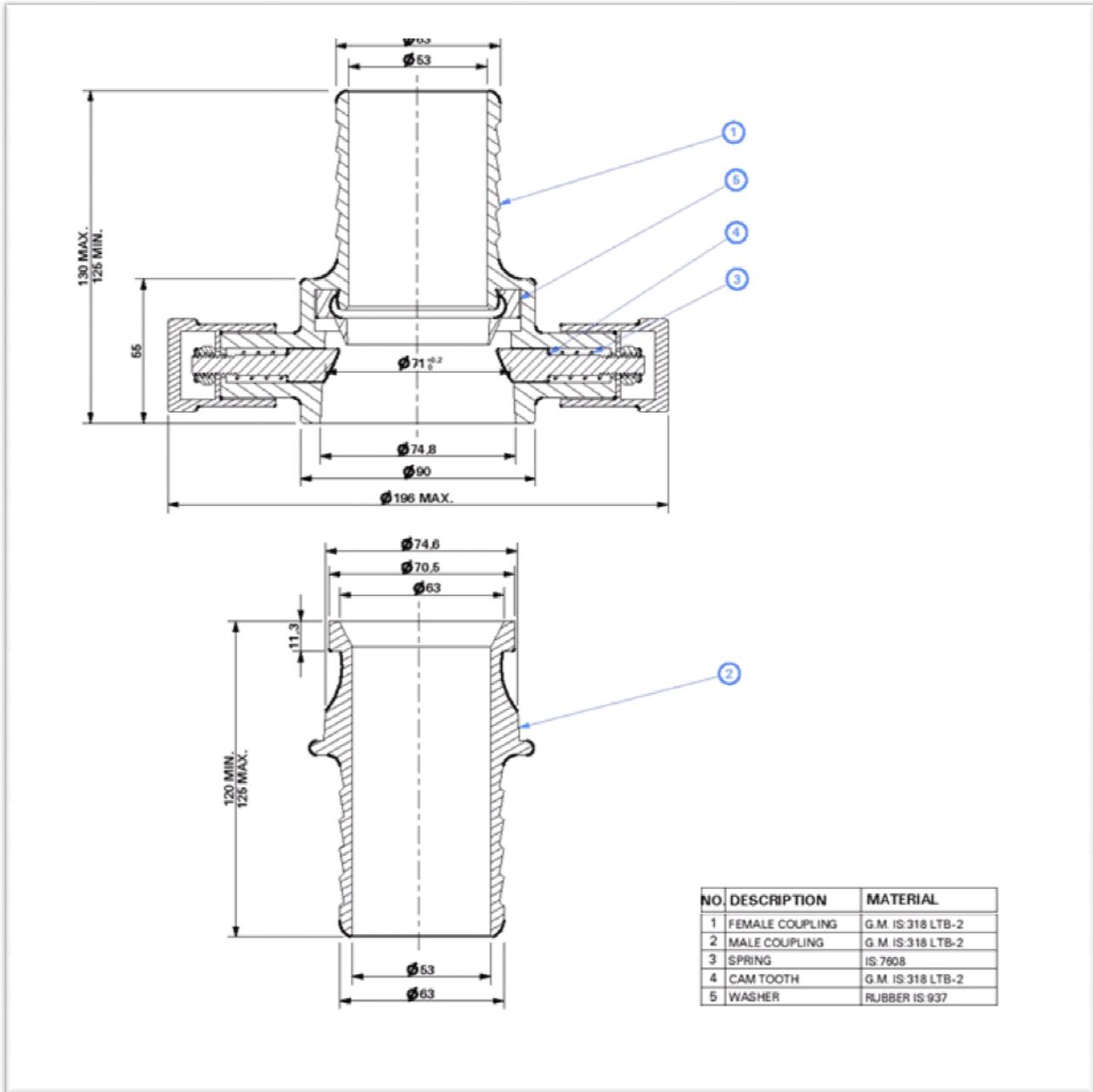
| NO. | DESCRIPTION | MATERIAL              |
|-----|-------------|-----------------------|
| 1   | BRANCH PIPE | G.M. IS: 318. LTB-2   |
| 2   | NOZZLE      | G.M. IS: 318. LTB-2   |
| 3   | WASHER      | RUBBER IS: 937 Type-B |

## HOSE REEL DRUM

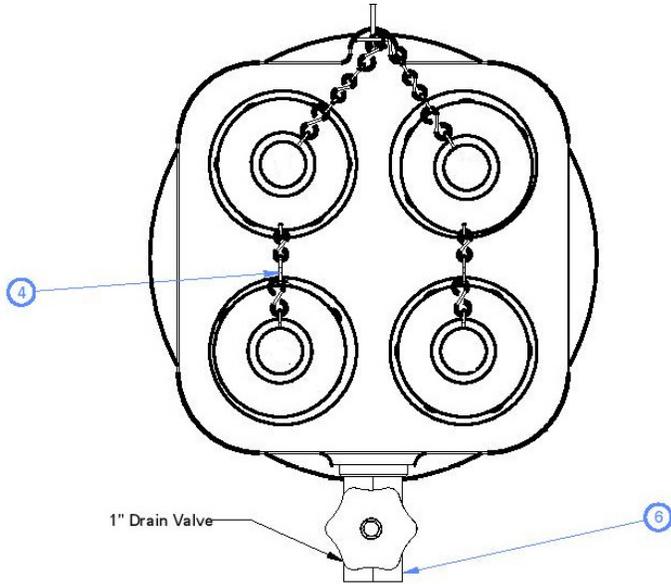


| S.No. | Description  | Material        | Specification    |
|-------|--|-----------------|------------------|
| 1     | Seivel Joint   | Lead Tin Bronze | IS:318 LTB Gr-II |
| 2     | Wall Bracket   | M.S.            | IS:513           |
| 3     | Inlet with 20 mm stop valve threads as per IS:2643 (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 |

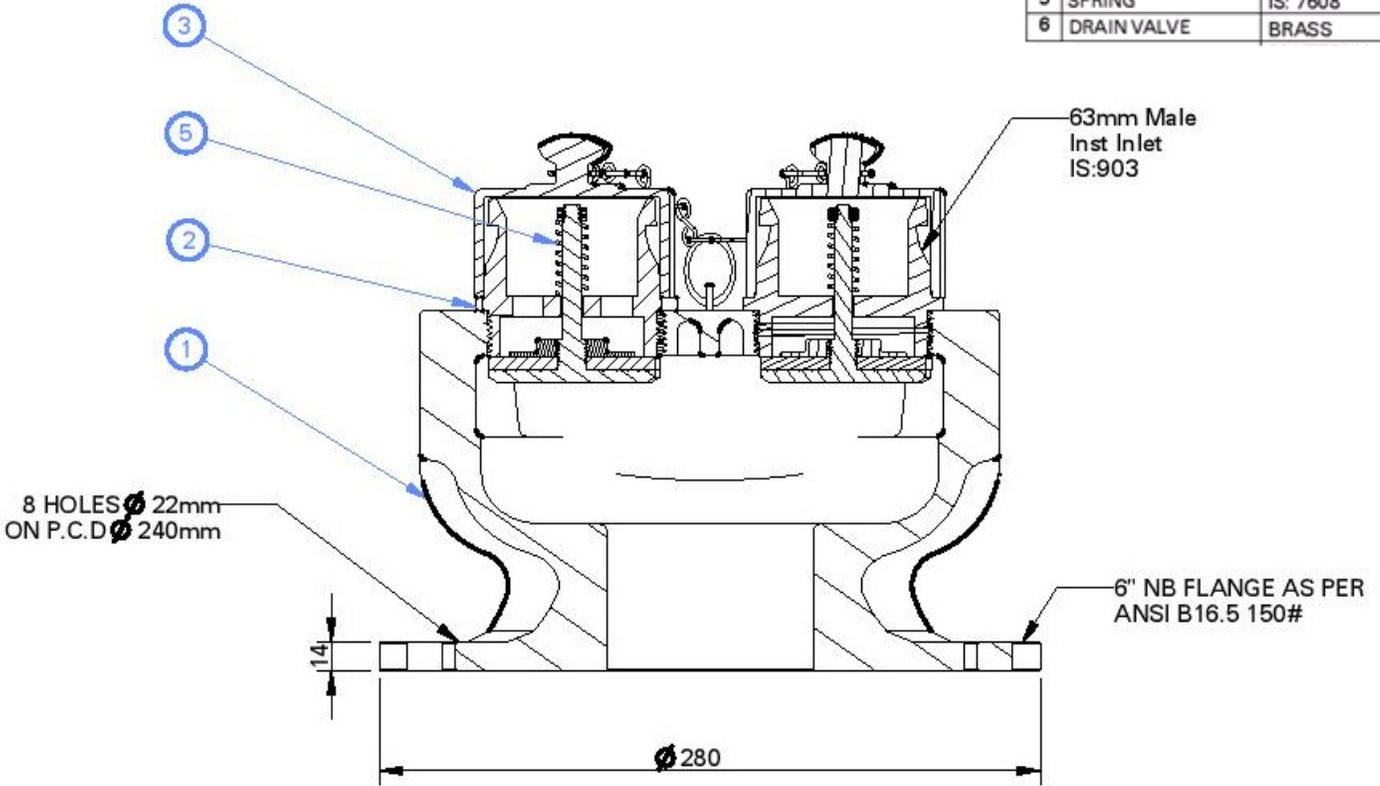
## DELIVERY HOSE COUPLING



**4 WAY INLET**



| NO. | DESCRIPTION      | MATERIAL          |
|-----|------------------|-------------------|
| 1   | BODY             | CAST IRON IS: 210 |
| 2   | MALE INST. N.R.V | G.M. IS:318 LTB-2 |
| 3   | BLANK CAP        | PVC               |
| 4   | CHAIN            | GALVENIZED        |
| 5   | SPRING           | IS: 7608          |
| 6   | DRAIN VALVE      | BRASS             |





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| <b>KALPATARU INDUSTRIES</b>   |
| Plot No. D-36, Sector A-2, Tronica City Industrial Area, Ghaziabad,<br>Uttar Pradesh – 201101<br>Contact: +91 7042892997, 9870199904<br>E-mail: <a href="mailto:info@kalpataruindia.in">info@kalpataruindia.in</a> , <a href="mailto:sales@kalpataruindia.in">sales@kalpataruindia.in</a> |
| #37, Ground Floor, Raghusree Market, Ajmeri Gate,<br>Delhi -110006<br>Contact: +91-11-23235293, 23238540, 23217785<br>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 TRYPE   | 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<br>IS:15683              | 2KG, 3KG,4.5KG, 6.5KG, 9KG,22.5KG<br>IS:15683 & IS:16018                   | 6 LTR, 9LTR, 50 LTR<br>IS:15683&IS:16018                        | 6 LTR, 9 LTR, 50 LTR<br>IS:15683&IS:16018                       | 25KG, 50KG,75KG<br>IS:16018  | 5 KG, 10KG, 15KG            | 2 KG, 4 KG, 6KG<br>IS:15683 |
| IS CODE   | IS:15683   | IS:15683 & IS:16018  | IS:15683&IS:16018   | IS:15683&IS:16018   | IS:16018   |                             | IS:15683                    |
| METHOD OF OPERATION   | <b>P</b> Pull the pin                            | <b>A</b> Aim the extinguisher or nozzle at the base of the fire            | <b>S</b> Squeeze the handle and release the extinguishing agent | <b>S</b> Squeeze the handle and release the extinguishing agent | <b>S</b> Sweep the extinguisher from side to side across the base of the fire until it appears to be out |                             |                             |
| <b>A CLASS FIRE</b><br>SOLID - (Organic Material i.e., Wood, Paper, Rubber, Plastics, Clothes etc.) | ✓  | ✗  | ✓   | ✓   | ✓  | ✓                           | ✓                           |
| <b>B CLASS FIRE</b><br>LIQUID - (Flammable Liquid, Petrol, Paints, Spirits, Chemicals etc.)         | ✓  | ✓  | ✗   | ✓   | ✓  | ✓                           | ✓                           |
| <b>C CLASS FIRE</b><br>GAS - (Cooking, Welding Gas, Electrical Fire etc.)                           | ✓  | ✓  | ✗   | ✗   | ✓  | ✓                           | ✓                           |
| <b>D CLASS FIRE</b><br>METAL - (Flammable Metals i.e., Sodium, Magnesium, Potassium)                | ✗  | ✗  | ✗   | ✗   | ✗  | ✗                           | ✗                           |
| <b>E CLASS FIRE</b><br>ELECTRICAL (Electronics and Electricals Appliances)                          | ✓  | ✓  | ✗   | ✗   | ✓  | ✗                           | ✓                           |
| REGD. OFFICE & MANUFACTURING UNIT   |  | KALPATARU INDUSTRIES   |   | EMERGENCY CALL LIST   |  |                             |                             |
| ISO:9001:2015   |  | PLOT NO. D- 36, SECTOR – A2  |   | POLICE: 100   |  |                             |                             |
|   |  | TRANS DELHI SIGNATURE CITY, GHAZIABAD, UP - 201102                         |   | FIRE: 101   |  |                             |                             |
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