



An ISO 9001:2008 Certified Company

### Our Introduction

We "Chawla Fire Protection Engineers Pvt. Ltd." are the biggest manufacturer and importer of fire fighting equipments and accessories from last 20 years. Our main aim is to satisfy all the customer demands with all positive results & we are backed up with stable infrastructure with all state of art equipments and efficient / motivated employees.

### Our Motto

We are determined to stay ahead in the competitive market and serve our customers hassle free services in the business market. We are also committed to give better quality standard fire protection products. Geared with modern technology and backed by an excellent team of experienced professionals, we also aim to provide total customer satisfaction.

### Our Quality Assurance

We "Chawla Fire Protection Engineers Pvt. Ltd." quality has been the paramount objective since our inception and we maintain a strict quality policy for protecting customer's integrity with us. Our quality control team inspects all the incoming raw material and releases our products into the market only when they match up to the specifications mentioned by our customers. Our quality control personnel also run quality checks and regularly examine the performance, durability and features of products as a whole. Implementing the best quality standards, we also maintain all the records of material stage wise inspection, design and changes if any along with dispatch release notes.

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## Multipurpose Dry Powder Type (Stored Pressure)

Suitable For **Class A, B, C & D** Fires Involving Combustible Material Like Wood Paper, Cloth Flammable Gas Liquid Petrol, Paints Solvents & Electricity Started Fires & All Classes of Fire.



IS : 15683 : 2006  
  
 CML : 9335783

Description	BIS spec.	Discharge Time (Sec.)	Jet Length (Meters)	Test Pressure Kgf/Cm <sup>2</sup>
ABC - 1 Kg.	15683	6 - 8	2 - 3	35
ABC - 2 Kg.	15683	6 - 8	2 - 3	35
ABC - 4 Kg.	15683	6 - 8	6 - 7	35
ABC - 6 Kg.	15683	10 - 12	6 - 7	35
ABC - 9 Kg.	15683	12 - 18	6 - 7	35



IS : 15683 : 2006  
  
 CML : 9335783

Description	BIS spec.	Discharge Time (Sec.)	Jet Length (Meters)	Test Pressure Kgf/Cm <sup>2</sup>
ABC - 1 Kg.	15683	6 - 8	2 - 3	35
ABC - 2 Kg.	15683	6 - 8	2 - 3	35
ABC - 4 Kg.	15683	6 - 8	6 - 7	35
ABC - 6 Kg.	15683	10 - 12	6 - 7	35
ABC - 9 Kg.	15683	12 - 18	6 - 7	35



## Water Type Fire Extinguisher (Stored Pressure)

Suitable For **Class A** Fires Involving Cumbustible Material of Organic Nature Such as Wood , Paper , Textile , Jute & Many Other Goods Etc.



IS : 15683 : 2006  
  
 CML : 9335783

Description	BIS spec.	Discharge Time (Sec.)	Jet Length (Meters)	Test Pressure Kgf/Cm <sup>2</sup>
Water Type 6 Ltr.	15683	40 - 50	6 - 8	35
Water Type 9 Ltr.	15683	50 - 60	6 - 8	35



IS : 15683 : 2006  
  
 CML : 9335783

Description	BIS spec.	Discharge Time (Sec.)	Jet Length (Meters)	Test Pressure Kgf/Cm <sup>2</sup>
Water Type 6 Ltr.	15683	40 - 50	6 - 8	35
Water Type 9 Ltr.	15683	50 - 60	6 - 8	35





## Dry Chemical Powder (Stored Pressure) Type Fire Extinguisher

Suitable For **Class B & C** Fires Involving Flammable Material like Liquid Petroleum Products, Flammable Gases. Also Work Effectively and Rapidly on Plastics & Electrical Fires.



IS : 15683 : 2006



CML/L : 9335783

Also Available in ABC Powder - IS:14609

Description	BIS spec.	Discharge Time (Sec.)	Jet Length (Meters)	Test Pressure Kg/Cm <sup>2</sup>
DCP - 4 Kg.	15683	14 - 16	4 - 6	35
DCP - 6 Kg.	15683	16 - 18	4 - 6	35
DCP - 9 Kg.	15683	20 - 28	6 - 9	35



## M/Foam (AFFF) Type Fire Extinguisher (Stored Pressure)

Advanced in Foam Technology

Suitable for **Class A & B** Fires Involving Flammable Liquid, Petroleum Products or where the Blanketing Effect is Essential.



IS : 15683 : 2006



CML/L : 9335783

Description	BIS spec.	Discharge Time (Sec.)	Jet Length (Meters)	Test Pressure Kg/Cm <sup>2</sup>
AFFF - 6 Ltr.	15683	40 - 50	6 - 8	35
AFFF - 9 Ltr.	15683	50 - 60	6 - 8	35





## Dry Chemical Powder (Gas Cartridge) Type Fire Extinguisher

Suitable For **Class B & C** Fires Involving Flammable material like Liquid Petroleum Products, Flammable Gases. Also work effectively and Rapidly on Plastics & Electrical Fires.



IS : 15683 : 2006  
  
 CM/L : 9335783

Also Available in  
 ABC Powder - IS:14609 & Potassium Powder- IS: 4308

Description	BIS spec.	Discharge Time (Sec.)	Jet Length (Meters)	Test Pressure Kg/Cm <sup>2</sup>	Gas Cart. used
DCP - 4 Kg.	15683	14 - 16	6 - 8	35	120 gms
DCP - 6 Kg.	15683	16 - 18	6 - 8	35	120/200 gms
DCP - 9 Kg.	15683	20 - 24	6 - 8	35	120/200 gms



## M/Foam (AFFF) Type Fire Extinguisher (Gas Cartridge)

Advanced in Foam Technology



Suitable for **Class A & B** Fires Involving Flammable Liquid, Petroleum Products or where the Blanketing Effect is Essential.



IS : 15683 : 2006  
  
 CM/L : 9335783

Description	BIS spec.	Discharge Time (Sec.)	Jet Length (Meters)	Test Pressure Kg/Cm <sup>2</sup>	Gas Cart. used
AFFF - 6 Ltr.	15683	15 - 20	6 - 8	35	60 gms
AFFF - 9 Ltr.	15683	20 - 25	6 - 8	35	60 gms

## W/CO<sub>2</sub> Type Fire Extinguisher (Gas Cartridge)

Suitable For **Class A** Fires Involving Cumbustible Material of Organic Nature Such as Wood , Paper , Textile , Jute & Many Other Goods Etc.



IS : 15683 : 2006  
  
 CM/L : 9335783

Description	BIS spec.	Discharge Time (Sec.)	Jet Length (Meters)	Test Pressure Kg/Cm <sup>2</sup>	Gas Cart. used
W/CO <sub>2</sub> - 6 Ltr.	15683	15 - 20	6 - 8	35	60 gms
W/CO <sub>2</sub> - 9 Ltr.	15683	20 - 25	6 - 8	35	60 gms



## Carbon-Di-Oxide Portable Fire Extinguisher

Suitable For **Class B** Fires Involving Material Like Fabric, Oil, Gases, Electric & Delicate Machineries.

IS : 15683



CM/L : 9335783

Description	BIS spec.	Discharge Time (Sec.)	Jet Length (Meters)	Test Pressure Kgf/Cm <sup>2</sup>
CO <sub>2</sub> - 2 Kg.	15683	8 - 16	2	236
CO <sub>2</sub> - 3 Kg.	15683	10 - 18	2	236
CO <sub>2</sub> - 4.5 Kg.	15683	10 - 18	2.5	236



## Clean Agent (HCF 227) Type Fire Extinguisher (VDS/CE Approved)

Suitable For **Class A, B, C & D** Fires Involving Combustible Material Like Wood Paper, Cloth Flammable Gas Liquid Petrol, Paints Solvents & Electricity Started Fires & All Classes of Fire.



ALSO AVAILABLE IN AUTOMATIC MODULARS

Description	Discharge Time (Sec.)	Jet Length (Meters)	Test Pressure Kgf/Cm <sup>2</sup>
C/Agent - 1 Kg.	8 - 10	3 - 4	35
C/Agent - 2 Kg.	8 - 10	3 - 4	35
C/Agent - 4 Kg.	20 - 25	4 - 5	35
C/Agent - 6 Kg.	30 - 35	4 - 5	35
C/Agent - 9 Kg.	35 - 40	4 - 5	35

## Water CO<sub>2</sub> Type Fire Extinguisher

CO<sub>2</sub> Gas Pressure & Gas Cartridge

Suitable For **Class A** Fires Involving Cumbustible Material Of Organic Nature Such As Wood , Paper , Textile , Jute & Many Other Goods Etc.



IS : 13385



CM/L : 9436789

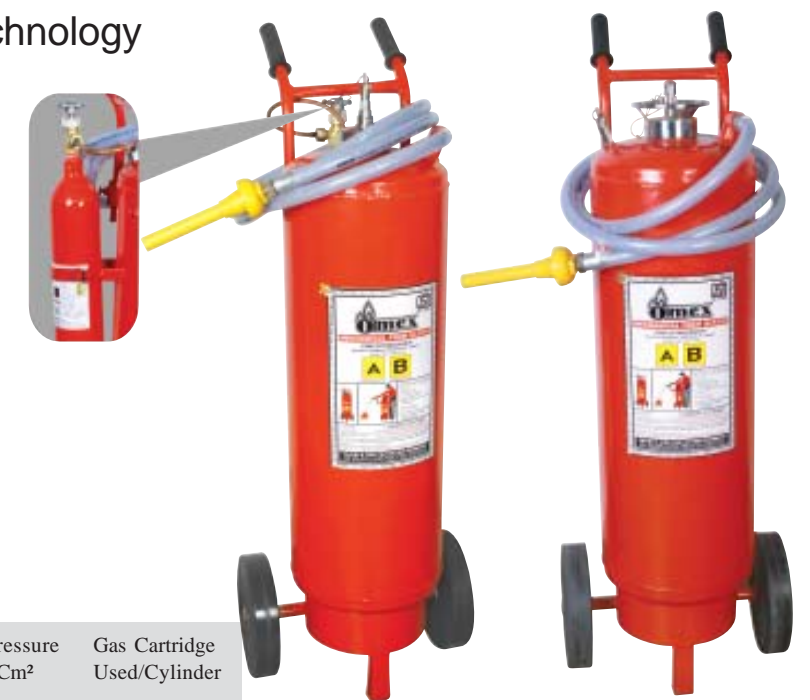
Capacity (Ltrs.)	Discharge Time (Sec.)	Jet Throw (Meters)	Water Discharge	Test Pressure Kgf/Cm <sup>2</sup>	Gas Cartridge Used/Cylinder
W/CO <sub>2</sub> 50 Ltr.	60-180	10	95%	35	300gms./2 Kg.



## M/Foam (AFFF) Type Fire Extinguisher

Advanced in Foam Technology

Suitable For **Class A & B** Fires Involving Flammable Liquid, Petroleum Products or where the Blanketing Effect is Essential.



IS : 13386



CM/L : 9436991

Capacity (Ltrs.)	Discharge Time (Sec.)	Jet Throw (Meters)	Water Discharge	Test Pressure Kgf/Cm <sup>2</sup>	Gas Cartridge Used/Cylinder
M/Foam 50 Ltr.	40-180	10	90%	35	300gms./2 Kg.



## Carbon-Di-Oxide Mobile Fire Extinguisher

Suitable For **Class B & C** Fires Involving Material Like Fabric, Oil, Gases, Electric & Delicate Machineries.

IS : 2878



CML : 9335884

Description	BIS spec.	Discharge Time (Sec.)	Jet Length (Meters)	Test Pressure Kgf/Cm <sup>2</sup>
CO <sub>2</sub> - 6.5 Kg.	2878	25 - 30	2.5 - 3	236
CO <sub>2</sub> - 9 Kg.	2878	30 - 35	2.5 - 3	236
CO <sub>2</sub> - 22.5 Kg.	2878	50 - 60	2.5 - 3	236



## DCP (Trolley) Type Fire Extinguisher

Suitable For **Class B & C** Fires Involving Flammable material like Liquid Petroleum Products, Flammable Gases. Also work effectively and Rapidly on Plastics & Electrical Fires.



IS : 10658



CML : 9436890

Capacity (Kg.)	Discharge Time (Sec.)	Jet Throw (Meters)	Discharge Qty. (Min <sup>3</sup> )	Test Pressure Kgf/Cm <sup>2</sup>	Gas Cartridge Used/Cylinder
DCP 25	25-30	6	80%	35	499 gms./1Kg.
DCP 50	40-50	8	85%	35	2 Kg.
DCP 75	50-60	10	85%	35	2 Kg.



Also Available in ABC Powder



## CO<sub>2</sub> Gas Cartridge

IS : 4947



CML : 9326681

Description	BIS spec.	Testing Pressure
40 Gms.	4947	236 Kgf/Cm <sup>2</sup>
60 Gms.	4947	236 Kgf/Cm <sup>2</sup>
120 Gms.	4947	236 Kgf/Cm <sup>2</sup>
200 Gms.	4947	236 Kgf/Cm <sup>2</sup>
300 Gms.	4947	236 Kgf/Cm <sup>2</sup>



## UL Listed Automatic Sprinkler



### PENDENT TYPE SPRINKLER

Temperature Rating : 155°F/68°C  
 Glass Bulb Colour : Red  
 Thread Size : NPT1/2" or R1/2"  
 Max. Service Pressure : 175psi  
 Glass Bulb Diameter(mm) : 05



### UPRIGHT TYPE SPRINKLER

Temperature Rating : 155°F/68°C  
 Glass Bulb Colour : Red  
 Thread Size : NPT1/2" or R1/2"  
 Max. Service Pressure : 175psi  
 Glass Bulb Diameter(mm) : 05

## Modular Automatic BC/ABC Dry Chemical Powder

Suitable for all classes of Fire



Capacity 5 Kgs

10 Kgs

15 Kgs



### SIDEWALL TYPE SPRINKLER

Temperature Rating : 155°F/68°C  
 Glass Bulb Colour : Red  
 Thread Size : NPT1/2" or R1/2"  
 Max. Service Pressure : 175psi  
 Glass Bulb Diameter(mm) : 05



### CONCEALED TYPE SPRINKLER

Temperature Rating : 155°F/68°C  
 Glass Bulb Colour : Red  
 Thread Size : NPT1/2" or R1/2"  
 Max. Service Pressure : 175psi  
 Glass Bulb Diameter(mm) : 05



## First Aid Fire Swinging Hose Reel with Nozzle

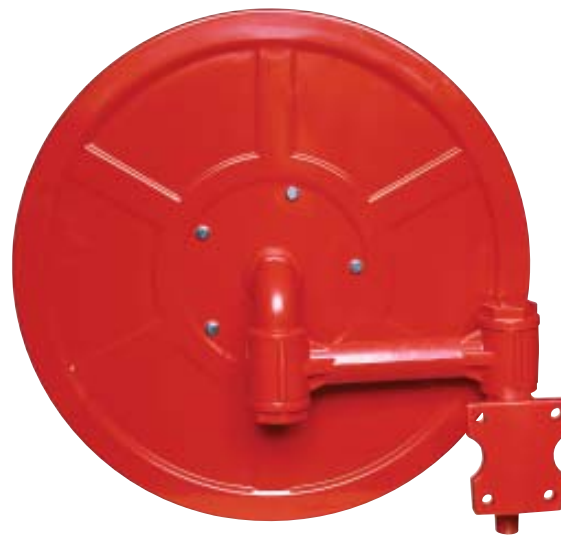
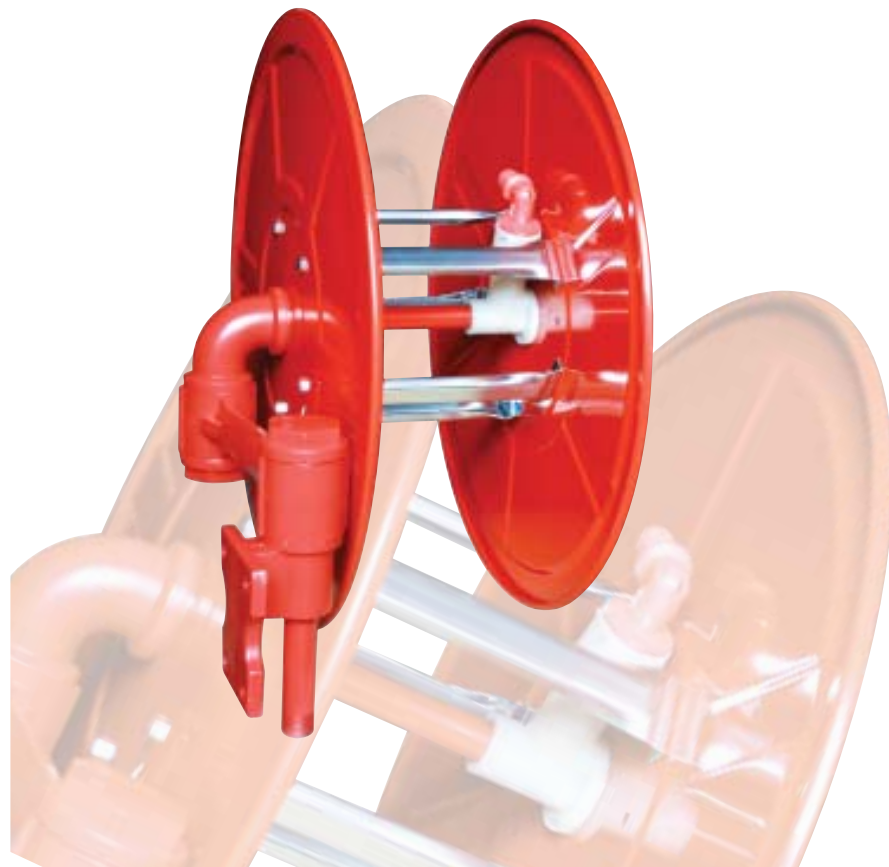
IS : 884



CML : 9582703

### GENERAL SPECIFICATION

(i) Type "A"	Swinging (180° wall mounting)
(ii) Nozzle	IS:8090-1976
(iii) Hose Reel tubing	Hydraulic Thermoplast Hose IS:12585-1988
(iv) Manufactured	as per IS:884/85
(v) Approval	ISI Marked from Bureau of Indian Standards

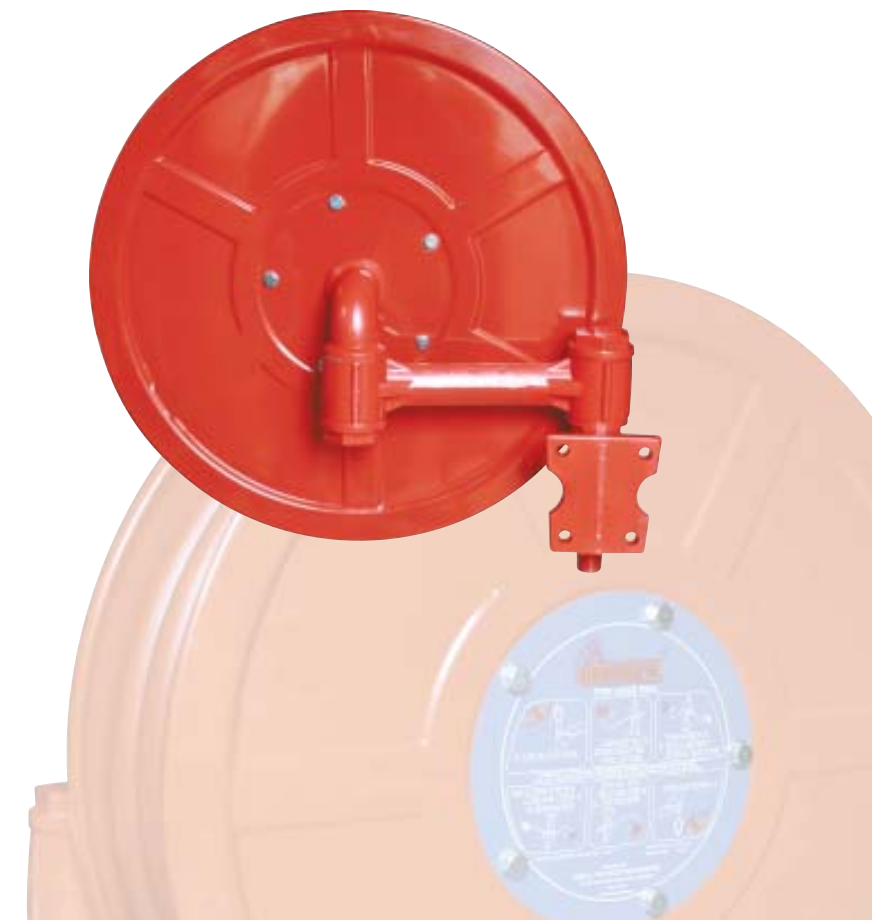


## Compact Type (Malaysian) Hose Reel Drum



### Key Features :

- Corrosion Free
- Leakage Free
- Rust Free
- Stores Less Space
- Type-II Pipe with Bursting Pressure of 14 kg/cm<sup>2</sup>
- Ready to Move (Pack)
- Powder Coated
- Light Weight
- 10 Years Warranty Against any Leakage Defect
- Comes Under CE, EN & KITEMARK® Approval





## Hoses For Fire Hydrant System (Fire Fighting Hose)



IS : 636 Type - A



C/M/L : 9711381

### OMEX (R.R.L. HOSE)

Diameter	Bursting Pressure	Proof Pressure	Approx. Coil Dia (30M. Length)
M.M.	Kgf/Cm <sup>2</sup>	Kgf/Cm <sup>2</sup>	CM
38	35.7	21.4	44 - 45
50	35.7	21.4	44 - 45
63	35.7	21.4	44 - 45
70	35.7	21.4	44 - 45

### Rein Forced Rubber Lined Fire Hose

#### OMEX (EXTRA COAT R.R.L. HOSE)

Diameter	Bursting Pressure	Proof Pressure	Approx. Coil Dia (30M. Length)
M.M.	Kgf/Cm <sup>2</sup>	Kgf/Cm <sup>2</sup>	CM
38	35.7	21.4	44 - 45
50	35.7	21.4	44 - 45
63	35.7	21.4	44 - 45
70	35.7	21.4	44 - 45



IS : 636 Type - A



C/M/L : 9711381

### Externally Coated Rein Forced Rubber Lined Fire Hose



IS : 8423



C/M/L : 9783511

### C.P. Hose

### OMEX (C.P.HOSE)

Diameter	Bursting Pressure	Proof Pressure	Approx. Coil Dia (30M. Length)
M.M.	Kgf/Cm <sup>2</sup>	Kgf/Cm <sup>2</sup>	CM
38	35.7	21.4	44 - 45
50	35.7	21.4	44 - 45
63	35.7	21.4	44 - 45
70	35.7	21.4	44 - 45

## Electric Hose Binding Machine





## Equipments For Fire Hydrant System

### SINGLE HEADED LENDING VALVE

Material	Gun Metal Grade LTB - 2, Stainless Steel & Aluminium
Size	63mm, 52mm, 38mm dia
63	Female single outlet type-"A" ISI
52	Female single outlet type "A"
38	Female single outlet type "A"
Performance	Hydraulic Test : 21 Kg/cm <sup>2</sup>
Water Test	Water tightness 14 Kg/cm <sup>2</sup>
Approval	ISI Marked from Bureau of Indian Standards (63mm)



IS : 5290



CM/L : 9582295



IS : 5290



CM/L : 9582295

### DOUBLE HEADED LENDING VALVE

Material	Gun Metal Grade LTB-2, Stainless Steel & Aluminium
Size	63mm
63	Female single outlet type-"B" ISI
Performance	Hydraulic Test : 21 Kg/cm <sup>2</sup>
Water Test	Water tightness 14 Kg/cm <sup>2</sup>
Approval	ISI Marked from Bureau of Indian Standards (63mm)

IS : 903



CM/L : 9576910

### FIRE HOSE DELIVERY COUPLING

Material	Gun Metal Grade LTB-2, Stainless Steel & Aluminium
Size	63mm, 52mm, 38mm dia
Performance	Hydraulic Test : 21 Kg/cm <sup>2</sup>
Water Test	Water tightness : 14 Kg/cm <sup>2</sup>
Approval	ISI Marked from Bureau of Indian Standards (63mm)

### SHORT BRANCH PIPE WITH NOZZLE

Material	Gun Metal Grade LTB-2, Stainless Steel
Size	63mm, 52mm, 38mm dia
	12mm to 20mm dia for ISI marked
Performance	Hydraulic Test : 21 Kg/cm <sup>2</sup>
Water Test	Water tightness : 14 Kg/cm <sup>2</sup>
Approval	ISI Marked from Bureau of Indian Standards (63 mm)

IS : 903



CM/L : 9576910



## Equipments For Fire Hydrant System



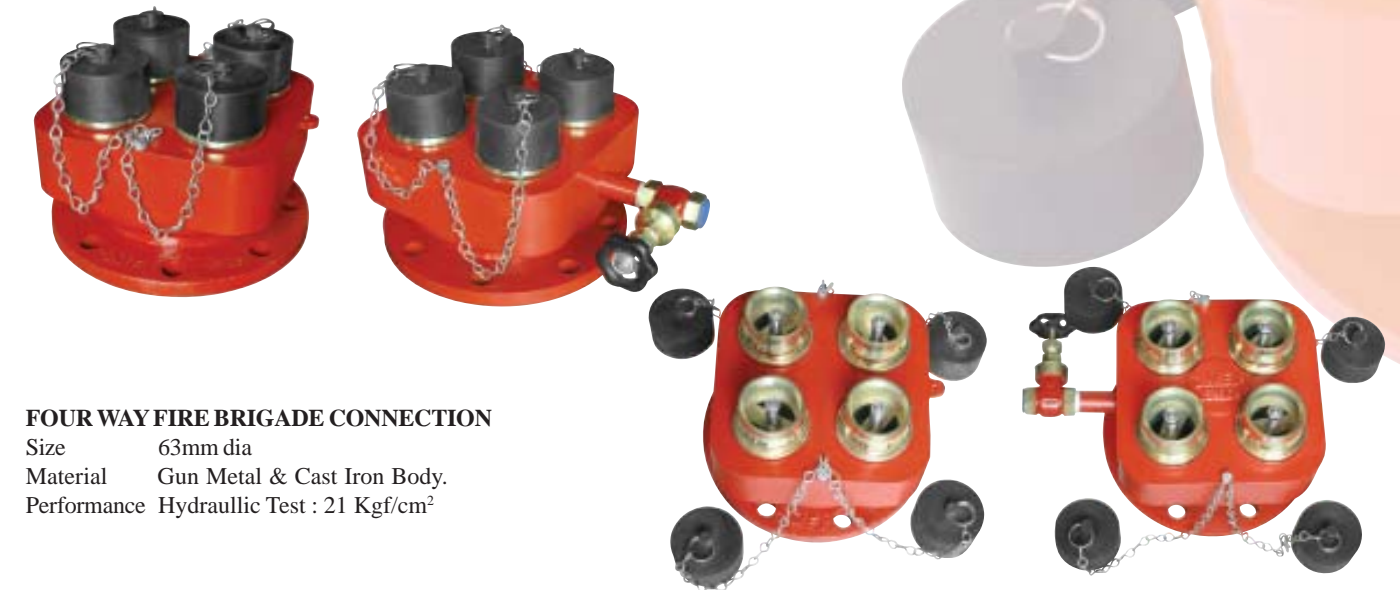
### TWO WAY FIRE BRIGADE CONNECTION

Size	63mm dia
Material	Gun Metal & Cast Iron Body
Performance	Hydraulic Test : 21 Kg/cm <sup>2</sup>



### THREE WAY FIRE BRIGADE CONNECTION

Size	63mm dia
Material	Gun Metal & Cast Iron body
Performance	Hydraulic Test : 21 Kg/cm <sup>2</sup>



### FOUR WAY FIRE BRIGADE CONNECTION

Size	63mm dia
Material	Gun Metal & Cast Iron Body.
Performance	Hydraulic Test : 21 Kg/cm <sup>2</sup>



## Equipments For Fire Fighting System & Accessories



**HOSE REEL PIPE**  
 Size : 20mm Dia  
 Length : 30 Mtr. & 36 Mtr.  
 Type : I & II



**DRAW OUT CONNECTION**  
 Size 100mm  
 Performance Hydraulic Test : 21 kgf/cm<sup>2</sup>  
 Material Gun Metal & Cast Iron



**HOSE BOX**  
 Available in MS & ABS Body.  
 All sizes available according to the requirement.  
 Single Door 15 Mtr.  
 Single Door 30 Mtr.



**HOSE BOX**  
 Available in MS & ABS Body.  
 All sizes available according to the requirement.  
 Double Door



**WATER/ FOAM MONITOR**  
 Size 63mm dia  
 Body Welded from M S Seamless Pipe Bends  
 Range 50 to 60 mtrs.  
 Flow 1750 to 4000 LPM

## Hydrant Adaptor



Material Gun metal Grade LTB-2 & Stainless Steel  
 Size 63 mm, 52 mm, 38 mm dia  
 63 Female single outlet type-"A" ISI  
 52 Female single outlet type "A"  
 38 Female single outlet type "A"  
 Performance Hydraulic Test: 21 Kg/cm<sup>2</sup>  
 Test Water Test: water tightness 14 Kgf /cm<sup>2</sup>  
 Approval ISI Marked from Bureau of Indian Standards (63mm)

## Equipments For Fire Detection System



**DECTETOR**  
 UL listed, FM approved detectors available.  
 Apollo/System Sensor/EST Sensor are available.  
 Compatible with any make fire Alarm Panel.  
 Smoke, Heat, Multi-Sensor Detector are available.

## Water Flow Indicator (Saddle Type)



Model No.	Size	Nominal Working Pressure (Mpa)	Delay Time (S)	Sensitivity (L/min)	Special Feature
Omex (401)	4"	1.2	2-90	15<Q<37.5	CE Approved
Omex (601)	6"	1.2	2-90	15<Q<37.5	CE Approved

All Water flow indicator come under one year replacement warranty & all imported from Korea.



## Fire Fighting Chemicals & Refills



IS : 14609

CM/L : 9498512

SUITABLE FOR CLASS **A, B & C** FIRES INVOLVING COMBUSTIBLE MATERIAL LIKE WOOD PAPER, CLOTH FLAMMABLE GAS LIQUID PETROL, PAINTS SOLVENTS, ELECTRICITY STARTED FIRES & ALL CLASSES OF FIRE.



IS : 4308

CM/L : 9498613

SUITABLE FOR CLASS **B & C** FIRES INVOLVING COMBUSTIBLE MATERIAL LIKE WOOD PAPER, CLOTH FLAMMABLE GAS LIQUID PETROL, PAINTS SOLVENTS, ELECTRICITY STARTED FIRES & ALL CLASSES OF FIRE.



IS : 4989 Part - II



CM/L : 9541584

SUITABLE FOR CLASS **A & B** FIRES INVOLVING FLAMMABLE LIQUID, PETROLEUM PRODUCTS OR WHERE THE BLANKETING EFFECT IS ESSENTIAL.



FIRE MANAXE

## Flexible Sprinkler Hose Fittings



### TECHNICAL DATA

Available product length and type	700mm to 1800 (28" to 70")
Available square bar length	700mm to 1500 (28" to 59")
Max. working pressure	14kgf/cm <sup>2</sup> (200psi)
Max. ambient temperature	107°C (225°F)
Minimum installation Bending Radius	75mm (3")
Bending Angles (Flow Direction)	up to 180 Degree
Largest K factor for 1/2 inch outlet	5.6[gpm/(psi) <sup>1/2</sup> ]
Largest K factor for 3/4 inch outlet	14.0[gpm/(psi) <sup>1/2</sup> ]
Intended use	Wet system and dry system





## Foam Branchpipe & Inductor-Low Expansion

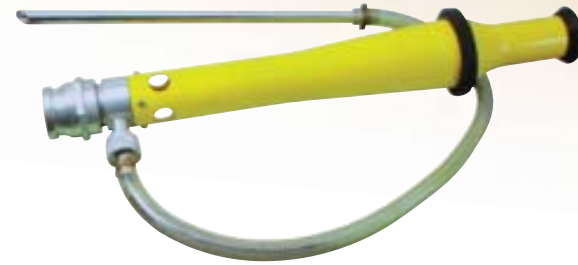
Omex low expansion foam branchpipes are suitable for use in hydrocarbon fire and come with adjustable variable valve from 0% to 6%. There are two type; One is with integral inductor, pick up tube and piercer, and another is without the pick up tube for premix foam. This product is suitable for polar solvent, AFFF and protein foam.



A



B



D



C



E

Code	Description	Induction Rate
A -	Lt Premixed Foam Branchpipe at 7 Bar	
B -	Lt Foam Branchpipe c/w Pick Up Tube and Stainless Steel Piercer	3% or 6%
C -	Lt Foam Branchpipe c/w Pick Up Tube and Stainless Steel Piercer and Adjustable Variable valve	0% or 6%
D -	Lt Foam Branchpipe c/w Pick Up Tube and Stainless Steel Piercer	3% or 6%
E -	Lt Variable Foam Inductor c/w Pick Up Tube & Stainless Steel piercer	

## Mobile Foam Unit



The Omex Mobile Foam Unit is highly deployable fire protection apparatus designed for operation by one person. Connection to a suitable water source, such as fire pump or pressurized fire hydrant valve using a fire hose connected to inlet of inductor while another to the inlet of the low expansion foam branchpipe, the unit is ready for use.

### General Specifications

Trolley	: Steel EPE Powder Coating
Tank	: Fibre Glass or Stainless Steel
Inductor	: 0% - 6% at 225 Lt/Min
Foam Branchpipe	: Aluminum Alloy Male Instantaneous Connection to BS 336
Hose	: Two length of 38mm X 15 meter Fire Hose



Description  
Fibreglass Tan with Standard Equipment  
Stainless Steel Tank with Standard Equipment

Input Pressure Bar (Lt/min)	Total Water Flow )	Approx Runing Time Inductor Setting (per minute)	Approx Foam Throw Branchpipe low expansion
5	182	22      11	15
7	215	18      9	18
10.	225	16      8	20