

Complete Range of Fire Protection



**WHEN FIRE DISOBEYS**

**LIFEGUARD<sup>®</sup>**  
FIRE PROTECTION EQUIPMENTS & SYSTEMS

## Profile

The VISION is simply maintaining itself to be "THE COUNTRY'S PREMIER FIRE FIGHTING EQUIPMENT MANUFACTURER COMPANY."

Being the premier company means being best in terms of Consumer Value, Customer Service, Employee talent and Consistent & predictable growth.

The MISSION is to expand and continually improve utilizing quality practices and employee involvement to manufacture Fire Fighting products.

It maintains a superior level of integrity in interactions with business partners and associates. It appreciates its achieved success and conducts its business as Model Corporate citizen group.

It is one of the leading manufacturers of ISI marked Fire Fighting Equipments in the Indian market under the brand name of **LIFEGUARD**<sup>®</sup>. It has always focused on new product development and product performance improvement, researches and produces a series of fire fighting & Safety products with excellent properties and reliable quality. It has 10 tank pretreatment process in its manufacturing procedures for the complete range of Products before Powder Coating to enhance product performance. Its latest achievement includes development of one of its kind indigenously manufactured product **LIFEGUARD**<sup>®</sup> DLP Valve used in Fire Suppression Systems **LIFEGUARD**<sup>®</sup> ACTOK STICKER & CORD which is developed by the process of encapsulation using Nano technology that releases fire suppression gas when ignited and release fire retardant gas in case of fire, **LIFEGUARD**<sup>®</sup> WSM (Weight Surveillance Module) which allows continuous monitoring of gas of the cylinders installed and alarm it with **LIFEGUARD**<sup>®</sup> Audio Visual Alarm in case of more than 10% loss of weight of gas cylinder as per the NFPA standard.

It got its first BIS license in 1998, and since then it has been constantly putting its efforts to improve, maintain and uphold its fire fighting equipment range. Mentioning about experience, it the third generation getting introduced to the Fire Safety Industry. Though its manufacturing plant was started 2.0 decades back but is has been serving the Fire Department and Fire & Safety Industry, for over 3.0 decades. Since then, it has been able to team up well qualified and experienced personnel, which mark the existence and growth of any organisation. It has a network of well settled and flourished dealers all over the country which helps to market the products to the remote areas and has always helped to maintain goodwill in the market.

The Commitment, support and services have always allowed the company to retain its prestigious clients, dealers and suppliers from the very beginning.

The company believes in:-

"What we say is Commitment"

"What we say is Quality"

"What we produce is **LIFEGUARD**<sup>®</sup>"

### Approvals:

- |                  |                  |                 |              |
|------------------|------------------|-----------------|--------------|
| 1. BIS Approvals | 4. DGQA Approval | 7. LIC & BANKS  | 10. CIDCO    |
| 2. CE Approval   | 5. CPWD Approval | 8. NBCC Limited | 11. DDA      |
| 3. EIL Approval  | 6. IRS Approval  | 9. ERTL         | 12. Railways |

## Company offers

- Powder Portable/Wheeled Fire Extinguisher
- Carbon Dioxide Portable/Wheeled Fire Extinguisher
- Water/Foam Portable/Wheeled Fire Extinguisher
- Clean Agent Fire Extinguisher
- Landing Valves
- Fire Hose Delivery Coupling
- Branch Pipe & Nozzle
- First-aid Hose Reel
- Fire Hose
- Modular Type Fire Extinguisher
- Wet Chemical Type Fire Extinguisher
- Mobile Foam Unit
- Water/Foam Monitor
- Hose Cabinets Doors & Boxes
- Fire Buckets
- Fire Proof Coatings for PASSIVE FIRE PROTECTION
- Fire Suppression Stickers / Chords
- System Integrations :
  - FM 200 / Novec / Co<sub>2</sub> Suppression System
  - Kitchen Hood Fire Extinguishing System
  - Tube based Suppression System  
(Linear Pneumatic Type Detection & Suppression System)
  - Fire Detection & Alarm System



**Powder Portable Fire Extinguisher  
(Stored Pressure/Gas Cartridge Type)**

IS-15683  
  
CML-8633079



**LG-224**  
(2A, 89B, C)

**LG-226**  
(3A, 144B, C)

**LG-229**  
(4A, 233B, C)



**LG-121**  
(1A, 21B, C)

**LG-122**  
(1A, 34B, C)



**LG-124**  
(2A, 89B, C)



**LG-126**  
(3A, 144B, C)



**LG-129**  
(4A, 233B, C)

**Technical Specification**

MODEL	LG-121	LG-122	LG-124/224	LG-126/226	LG-129/229
Capacity (Kg)	1	2	4	6	9
Anti-Corrosive Inhibitor	Epoxy Polyester Powder Coating	Epoxy Polyester Powder Coating	Epoxy Polyester Powder Coating	Epoxy Polyester Powder Coating	Epoxy Polyester Powder Coating
Confirming IS Code	15683	15683	15683	15683	15683
Type of Extinguisher	Constant Pressure	Constant Pressure	Constant Pressure/Gas Cartridge	Constant Pressure/Gas Cartridge	Constant Pressure/Gas Cartridge
Type of Extinguishing Media	Dry Powder IS 14609/IS 4308	Dry Powder IS 14609/IS 4308	Dry Powder IS 14609/IS 4308	Dry Powder IS 14609/IS 4308	Dry Powder IS 14609/IS 4308
Expellant	Pressurized with N <sub>2</sub> gas	Pressurized with N <sub>2</sub> gas	Pressurized with N <sub>2</sub> gas/ 90gm/120gm Gas Cartridge	Pressurized with N <sub>2</sub> gas/ 120gm Gas Cartridge	Pressurized with N <sub>2</sub> gas/ 200gm Gas Cartridge
Minimum Effective Discharge (%)	85	85	85	85	85
Minimum Jet Length (mtrs.)	More than 2 mtr.	More than 2 mtr.	More than 2 mtr.	More than 2 mtr.	More than 2 mtr.
Discharge Time (Sec.)	More than 8 sec.	More than 13 Sec.	More than 13 Sec.	More than 13 Sec.	More than 13 Sec.
Hydraulic Test Pressure (kgf/cm <sup>2</sup> )	35	35	35	35	35
Operating Position	Upright	Upright	Upright	Upright	Upright
Charged Pressure (kgf/cm <sup>2</sup> )	15	15	15	15	15
Operating Temperature Range(°C)	(-)30 to (+)60	(-)30 to (+)60	(-)30 to (+)60	(-)30 to (+)60	(-)30 to (+)60
Operating Valve	Squeeze Grip Type with Nozzle	Squeeze Grip Type with Nozzle	Squeeze Grip Type with Discharge hose and Nozzle	Squeeze Grip Type with Discharge hose and Nozzle	Squeeze Grip Type with Discharge hose and Nozzle
Fire Rating	≤ 1A, 21B, C	≤ 1A, 34B, C	≤ 2A, 89B, C	≤ 3A, 144B, C	≤ 4A, 233B, C

- Also Available in Stainless Steel Body
- Also available in MAP 90% & UL Listed Powder

**Application :-**

**Class A Fire :** Wood, Textiles, Paper, Plastic, Cloths, Cotton, Jute etc.

**Class B Fire :** Petroleum, Oil, Diesel, Paint, Varnish, Solvent, Aviation Fuel, Flammable and Volatile Liquids etc..

**Class C Fire :** Flammable Gasses, Live Electrical Equipments, Industrial Gases, Electrical Installation etc..

LG-121



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LG-122



Scan QR Code to Watch Demo

LG-124



Scan QR Code to Watch Demo

LG-126



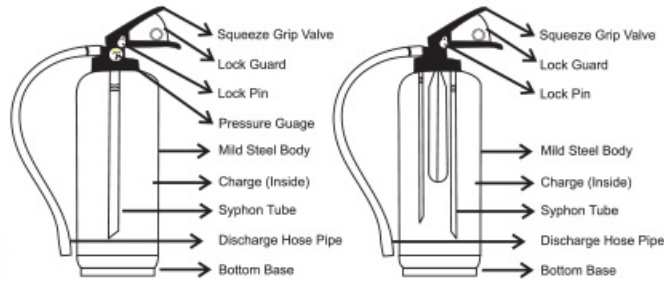
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LG-129



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## WATER/FOAM Portable Fire Extinguisher (Stored Pressure/Gas Cartridge Type)



IS-15683



CM/L-8633079

### Technical Specification

MODEL	WATER		FOAM	
	LG-106/206	LG-109/209	LG-116/216	LG-119/219
Capacity (Ltr.)	6	9	6	9
Anti-Corrosive Inhibitor	Epoxy Polyester Powder Coating	Epoxy Polyester Powder Coating	Epoxy Polyester Powder Coating	Epoxy Polyester Powder Coating
Confirming IS Code	15683	15683	15683	15683
Type of Extinguisher	Constant Pressure/Gas Cartridge	Constant Pressure/Gas Cartridge	Constant Pressure/Gas Cartridge	Constant Pressure/Gas Cartridge
Type of Extinguishing Media	Soft Water	Soft Water	Water & AFFF IS 4989	Water & AFFF IS 4989
Expellant	Pressurized with N <sub>2</sub> gas/ 60gm Gas Cartridge	Pressurized with N <sub>2</sub> gas/ 90gm/120gm Gas Cartridge	Pressurized with N <sub>2</sub> gas/ 60gm Gas Cartridge	Pressurized with N <sub>2</sub> gas/ 90gm/120gm Gas Cartridge
Minimum Effective Discharge (%)	95	95	95	95
Minimum Jet Length (mtrs.)	More than 2 mtr.	More than 2 mtr.	More than 2 mtr.	More than 2 mtr.
Discharge Time (Sec.)	More than 13 sec.	More than 13 Sec.	More than 13 Sec.	More than 13 Sec.
Hydraulic Test Pressure (kgf/cm <sup>2</sup> )	35	35	35	35
Operating Position	Upright	Upright	Upright	Upright
Charged Pressure (kgf/cm <sup>2</sup> )	15	15	15	15
Operating Temperature Range (°C)	(+5 to (+)60	(+5 to (+)60	(+5 to (+)60	(+5 to (+)60
Operating Valve	Squeeze Grip Type with Discharge hose and Nozzle	Squeeze Grip Type with Discharge hose and Nozzle	Squeeze Grip Type with Discharge hose and Nozzle	Squeeze Grip Type with Discharge hose and Nozzle
Fire Rating	≤ 2A	≤ 3A	≤ 2A, 21B	≤ 4A, 144B



LG-106/ LG-116  
(2A/ 2A, 21B)

LG-209/ LG-219  
(3A/ 4A, 144B)



LG-216/ LG-206  
(2A, 21B/ 2A)

LG-119/ LG-109  
(4A, 144B/ 3A)

Also Available in  
Stainless Steel Body

### Application :-

**Class A Fire** : Wood, Textiles, Paper, Plastic, Cloths, Cotton, Jute etc.  
**Class B Fire** : Petroleum, Oil, Diesel, Paint, Varnish, Solvent, Aviation Fuel, Flammable and Volatile Liquids etc..  
**Caution** : Do not use on Electrical Fire.



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## Watermist Portable Fire Extinguisher

IS-15683



CM/L-8633079



### Technical Specification

MODEL	PORTABLE		
	LG-164	LG-166	LG-169
Capacity (Ltr.)	4	6	9
Anti-Corrosive Inhibitor	Epoxy Polyester Powder Coating	Epoxy Polyester Powder Coating	Epoxy Polyester Powder Coating
Confirming IS Code	15683	15683	15683
Type of Extinguisher	Constant Pressure	Constant Pressure	Constant Pressure
Type of Extinguishing Media	Soft Water with Additives	Soft Water with Additives	Soft Water with Additives
Expellant	Pressurized with N <sub>2</sub> gas	Pressurized with N <sub>2</sub> gas	Pressurized with N <sub>2</sub> gas
Min. Effective Discharge (%)	95	95	95
Min. Jet Length (mtrs.)	More than 2 mtr.	More than 2 mtr.	More than 2 mtr.
Discharge Time (Sec.)	More than 13 Sec.	More than 13 Sec.	More than 13 Sec.
Hydraulic Test Pressure (kgf/cm <sup>2</sup> )	35	35	35
Operating Position	Upright	Upright	Upright
Charged Pressure (kgf/cm <sup>2</sup> )	15	15	15
Operating Temperature Range (°C)	(+5°C to (+)60°C	(+5°C to (+)60°C	(+5°C to (+)60°C
Operating Valve	Squeeze Grip Type with Discharge hose & Special Nozzle	Squeeze Grip Type with Discharge hose & Special Nozzle	Squeeze Grip Type with Discharge hose & Special Nozzle
Fire Rating	≤ 2 A, 55B, 15 F, C	≤ 3 A, 113 B, 25 F, C	≤ 3 A, 183 B, 75 F, C

### APPLICATION:

1. CAN BE USED ON MULTIPLE CLASSES OF FIRE.
2. CAN BE USED ON FIRES INVOLVING LIVE ENERGIZED EQUIPMENT.
3. TESTED AT 35000 VOLTS.



LG-164 / LG-166 / LG-169



IS-15683  
CML-8633079

## Clean Agent Fire Extinguisher

### Technical Specification

MODEL	LG-142	LG-144	LG-146
Capacity (Kg)	2	4	6
Anti-Corrosive Inhibitor	Epoxy Polyester Powder Coating	Epoxy Polyester Powder Coating	Epoxy Polyester Powder Coating
Confirming IS Code	15683	15683	15683
Type of Extinguisher	Constant Pressure	Constant Pressure	Constant Pressure
Type of Extinguishing Media	HFC 236 fa	HFC 236 fa	HFC 236 fa
Expellant	Pressurized with N <sub>2</sub> gas	Pressurized with N <sub>2</sub> gas	Pressurized with N <sub>2</sub> gas
Minimum Effective Discharge (%)	95	95	95
Minimum Jet Length (mtrs.)	More than 2 mtr.	More than 2 mtr.	More than 2 mtr.
Discharge Time (Sec.)	More than 13 Sec.	More than 13 Sec.	More than 13 Sec.
Hydraulic Test Pressure (kgf/cm <sup>2</sup> )	35	35	35
Operating Position	Upright	Upright	Upright
Charged Pressure (kgf/cm <sup>2</sup> )	18	18	18
Operating Temperature Range(°C)	(-)30 to (+)60	(-)30 to (+)60	(-)30 to (+)60
Operating Valve	Squeeze Grip Type with Nozzle	Squeeze Grip Type with Discharge hose and Nozzle	Squeeze Grip Type with Discharge hose and Nozzle
Fire Rating	≤ 1A, 21B, C	≤ 1A, 34B, C	≤ 2A, 55B, C



#### Also Available in Stainless Steel Body

The extinguisher agent in **LIFE GUARD** Clean Agent Fire Extinguisher is HFC 236 fa, HEXAFLUOROPROPANE which is electrically non conductive, non- corrosive, environmental friendly and free from residue & hence is a best replacement of HALON 1211 (BCF).

Fire Extinguisher agent stored in **LIFE GUARD** Clean Agent Fire Extinguisher is in liquid form & when comes in contact with air turns into gas form. It is effective on class A, B & C fires.

### AN EXTINGUISHER THAT DOES NOT LEAVE ANY TRAIL AFTER PERFORMING ITS DUTY

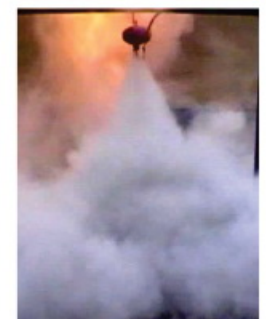
## Self Triggered Stand Alone Type Fire Extinguisher



(Automatic Modular Type Fire Extinguisher)



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### Technical Specification

CAPACITY in kg.	2kg Capacity	5kg Capacity	10kg Capacity	15kg Capacity
MODEL	LG-1602/LG-1702	LG-1605/LG-1705	LG-1610/LG-1710	LG-1615/LG-1715
Media	ABC Powder/Clean Agent	ABC Powder/Clean Agent	ABC Powder/Clean Agent	ABC Powder/Clean Agent
Area Coverage	2-3m <sup>2</sup> Approx.	3-4m <sup>2</sup> Approx.	5-7m <sup>2</sup> Approx.	8-10m <sup>2</sup> Approx.
Test Pressure	30 kgf/cm <sup>2</sup>	30 kgf/cm <sup>2</sup>	30 kgf/cm <sup>2</sup>	30 kgf/cm <sup>2</sup>
Anti Corrosive Treatment	Powder Coated	Powder Coated	Powder Coated	Powder Coated
Shell Diameter	175mm ±5%	240mm ±5%	300mm ±5%	405mm ±5%
Overall Height	185mm±25%	265mm±25%	350mm±25%	255mm±25%
Charged Weight	3.5 kg approx.	7.5 kg approx.	13.5 kg approx.	20.5 kg approx.
Bulb Temperature	56-107 degrees	56-107 degrees	56-107 degrees	56-107 degrees
Charged Pressure	15 kgf/cm <sup>2</sup>	15 kgf/cm <sup>2</sup>	15 kgf/cm <sup>2</sup>	15 kgf/cm <sup>2</sup>
Operational time in seconds	5-7	8-10	10-15	18-24
Mounting	Ceiling Mounting Type	Ceiling Mounting Type	Ceiling Mounting Type	Ceiling Mounting Type

## Kitchen Portable Fire Extinguisher



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IS-15683  
  
CM/L-8633079

### Technical Specification

MODEL	PORTABLE		
	LG-154	LG-156	LG-159
Capacity (Ltr.)	4	6	9
Body	Stainless Steel Body	Stainless Steel Body	Stainless Steel Body
Confirming IS Code	15683	15683	15683
Type of Extinguisher	Constant Pressure	Constant Pressure	Constant Pressure
Type of Extinguishing Media	Wet Chemical	Wet Chemical	Wet Chemical
Expellant	Pressurized with N <sub>2</sub> gas	Pressurized with N <sub>2</sub> gas	Pressurized with N <sub>2</sub> gas
Min. Effective Discharge (%)	95	95	95
Min. Jet Length (mtrs.)	More than 2 mtr.	More than 2 mtr.	More than 2 mtr.
Discharge Time (Sec.)	More than 13 Sec.	More than 13 Sec.	More than 13 Sec.
Hydraulic Test Pressure (kgf/cm <sup>2</sup> )	35	35	35
Operating Position	Upright	Upright	Upright
Charged Pressure (kgf/cm <sup>2</sup> )	15	15	15
Operating Temperature Range (°C)	(+)5°C to (+)60°C	(+)5°C to (+)60°C	(+)5°C to (+)60°C
Operating Valve	Squeeze Grip Type with Discharge hose & Special Nozzle	Squeeze Grip Type with Discharge hose & Special Nozzle	Squeeze Grip Type with Discharge hose & Special Nozzle
Fire Rating	≤ 15 F	≤ 25 F	≤ 75 F



LG-154 / LG-156 / LG-159

## 'D' Class Powder Portable Fire Extinguisher

### Technical Specification

MODEL	LG-126D	LG-129D
Capacity	6 Kg.	9 Kg.
Working Temperature	+5°C to +55°C	+5°C to +55°C
Cylinder Testing Pressure	35 bar	35 bar
Service Pressure	12 bar	12 bar
Filling Tolerance	0,(-)5% by volume	0,(-)5% by volume
Min. Effective Discharge Time	13 Seconds (Minimum)	13 Seconds (Minimum)
Charge	Special D Class Powder	Special D Class Powder
Propellant	Nitrogen	Nitrogen

Specially Designed Applicator Nozzle to extinguish metal fire from safe distance.

D type fire extinguishers contain blended sodium chloride based dry powder, heat from fire causes it to cake and form a crust excluding air and dissipating heat from burning metal.



LG-126D

LG-129D



Controlled Discharge  
for Wheeled Fire Extinguisher



**Carbon Di-oxide Portable & Wheeled Fire Extinguisher**



**Technical Specification**

MODEL	PORTABLE			TROLLEY MOUNTED			
	LG-132	LG-133	LG-134	LG-336	LG-339	LG-3322	LG-3345
Conforming IS Specn.	15683	15683	15683	16018	16018	16018	16018
Capacity (Kg)	2	3	4.5	6.5	9	22.5	45
Filling Ratio	0.667	0.667	0.667	0.667	0.667	0.667	0.667
Type of Extinguisher	CO <sub>2</sub> Type	CO <sub>2</sub> Type	CO <sub>2</sub> Type	CO <sub>2</sub> Type	CO <sub>2</sub> Type	CO <sub>2</sub> Type	CO <sub>2</sub> Type
Type of Extinguishing Media	CO <sub>2</sub> Gas	CO <sub>2</sub> Gas	CO <sub>2</sub> Gas	CO <sub>2</sub> Gas	CO <sub>2</sub> Gas	CO <sub>2</sub> Gas	CO <sub>2</sub> Gas
Expellant	Self	Self	Self	Self	Self	Self	Self
Min. Effective Discharge (%)	95	95	95	95	95	95	95
Min. Discharge Time (Sec.)	More than 8	More than 8	More than 8	More than 20	More than 20	More than 20	More than 20
Min. Throw (mtr.)	1	1	2	-	-	-	-
Operating Position	Upright	Upright	Upright	Upright	Upright	Upright	Upright
Operating Valve (IS 3224)	Wheel / Squeeze Grip Type	Wheel / Squeeze Grip Type	Wheel / Squeeze Grip Type	Wheel Type	Wheel Type	Wheel Type	Wheel Type
Operating Temperature Range (°C)	(-)30 to (+)60	(-)30 to (+)60	(-)30 to (+)60	(-)5 to (+)55	(-)5 to (+)55	(-)5 to (+)55	(-)5 to (+)55
Fire Rating	≤ 21B, C	≤ 34B, C	≤ 55B, C	≤ 55B	≤ 70B	≤ 89B	≤ 89B

Also Available in Light Weight Aluminium Body for Portable Extinguishers



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**Application :-**

**Class B Fire :** Petroleum, Oil, Diesel, Paint, Varnish, Solvent, Aviation Fuel, Flammable and volatile liquids etc.

**Class C Fire :** Flammable Gases, Live electrical Equipments, Industrial Gases, Electrical Installation and Server Room etc.



CM/L-8247983

MODEL	LG-2506	LG-2512	LG-2520	LG-2530
Capacity (in gms)	60	120	200	300
IS Specification No.	4947	4947	4947	4947
Complete Wt Empty (in gms) Approx.	530	810	980	1240
Complete Wt. Charged (in gms)	590	930	1180	1540
Working Pressure at 27±2°C (Kgf/cm <sup>2</sup> )	140	140	140	140
Hydraulic Test Pressure (kgf/cm <sup>2</sup> )	250	250	250	250
Dia of Pipe (in mm)	45	51	51	51
Overall Height (in mm)	151	181	245	350

**CO<sub>2</sub> Gas Cartridge for Fire Extinguishers**



LG-2530 LG-2520 LG-2512 LG-2506A LG-2506

## Wheeled Water/Foam Fire Extinguisher

IS-16018



CM/L-8765605



Water Controlled Discharge



Foam Controlled Discharge



LG-1045



LG-1145



LG-2145



LG-3145

### Technical Specification

MODEL	WATER			FOAM		
	LG-1020 LG-2020 LG-3020	LG-1045 LG-2045 LG-3045	LG-1060 LG-2060 LG-3060	LG-1120 LG-2120 LG-3120	LG-1145 LG-2145 LG-3145	LG-1160 LG-2160 LG-3160
Conforming IS Specn.	16018	16018	16018	16018	16018	16018
Capacity (Ltr.)	20	45	60	20	45	60
Type of Fire	A Class	A Class	A Class	A & B Class	A & B Class	A & B Class
Type of Extinguisher	Water Type	Water Type	Water Type	Mechanical foam type	Mechanical foam type	Mechanical foam type
Type of Extinguishing Media	Soft Water	Soft Water	Soft Water	Water & Afff (1.2Ltrs. of 6% Concentrate)	Water & Afff (2.7Ltrs. of 6% Concentrate)	Water & Afff (3.6Ltrs. of 6% Concentrate)
Expellant	N <sub>2</sub> Gas Pressure / Internal CO <sub>2</sub> Gas Cartridge 300gm (IS 4947) / External CO <sub>2</sub> Gas Cartridge 2 Kg	N <sub>2</sub> Gas Pressure / Internal CO <sub>2</sub> Gas Cartridge 300gm (IS 4947) / External CO <sub>2</sub> Gas Cartridge 2 Kg	N <sub>2</sub> Gas Pressure / Internal CO <sub>2</sub> Gas Cartridge 300gm (IS 4947) / External CO <sub>2</sub> Gas Cartridge 2 Kg	N <sub>2</sub> Gas Pressure / Internal CO <sub>2</sub> Gas Cartridge 300gm (IS 4947) / External CO <sub>2</sub> Gas Cartridge 2 Kg	N <sub>2</sub> Gas Pressure / Internal CO <sub>2</sub> Gas Cartridge 300gm (IS 4947) / External CO <sub>2</sub> Gas Cartridge 2 Kg	N <sub>2</sub> Gas Pressure / Internal CO <sub>2</sub> Gas Cartridge 300gm (IS 4947) / External CO <sub>2</sub> Gas Cartridge 2 Kg
Min. Effective Discharge (%)	90	90	90	90	90	90
Min. Jet Length (mtrs.)	6	6	6	6	6	6
Discharge Time (Sec.)	More than 30	More than 30	More than 30	More than 30	More than 30	More than 30
Hydraulic Test Pressure (kgf/cm <sup>2</sup> )	30	30	30	30	30	30
Operating Position	Upright	Upright	Upright	Upright	Upright	UPRIGHT
Operating Temperature Range (°C)	+5 to +55	+5 to +55	+5 to +55	+5 to +55	+5 to +55	+5 TO +55
Fire Rating	≤ 20A	≤ 20A	≤ 20A	≤ 20A, 233B	≤ 20A, 233B	≤ 20A, 233B

Also available in UL Listed AFFF Chemical

Water/Foam Wheeled Extinguishers also Available in 135 Litres

#### Application :-

**Class A Fire** : Wood, Textiles, Paper, Plastic, Cloths, Cotton, Jute etc.

**Class B Fire** : Petroleum, Oil, Diesel, Paint, Varnish, Solvent, Aviation Fuel, Flammable and volatile liquids etc.

**Caution** : Do not use on Electrical Fire / Installation.

Use AR-AFFF in case of Polar Solvents.





Controlled Discharge

## Wheeled Powder Fire Extinguisher



LG-1225

LG-2225

LG-3225

LG-3250

LG-3275

### Technical Specification

MODEL	LG-1225	LG-2225	LG-3225	LG-1250	LG-3250	LG-3275
Conforming IS Specn.	16018	16018	16018	16018	16018	16018
Capacity (Kg.)	25	25	25	50	50	75
Type of Fire	BC / ABC	BC/ABC	BC/ABC	BC / ABC	BC / ABC	BC / ABC
Type of Extinguisher	Dry Powder Type	Dry Powder Type	Dry Powder Type	Dry Powder Type	Dry Powder Type	Dry Powder Type
Type of Extinguishing Media	Dry Chemical Powder	Dry Chemical Powder	Dry Chemical Powder	Dry Chemical Powder	Dry Chemical Powder	Dry Chemical Powder
Expellant	N <sub>2</sub> Gas Pressure	Internal CO <sub>2</sub> Gas Cartridge (300gm (IS 4947)	External CO <sub>2</sub> Gas Cartridge 2Kg	N <sub>2</sub> Gas Pressure	External CO <sub>2</sub> Gas Cartridge 2 Kg	External CO <sub>2</sub> Gas Cartridge 2 Kg
Min. Effective Discharge (%)	85	85	85	85	85	85
Min. Jet Length (mtrs.)	6	6	6	6	6	6
Discharge Time (Sec.)	More than 30	More than 30	More than 30	More than 30	More than 30	More than 30
Hydraulic Test Pressure (kgf/cm <sup>2</sup> )	30	30	30	30	30	30
Operating Position	Upright	Upright	Upright	Upright	Upright	Upright
Operating Temperature Range (°C)	(-)5 to (+)55	(- )5 to (+)55	(-)5 to (+)55	(-)5 to (+)55	(-)5 to (+)55	(-)5 to (+)55
Fire Rating	≤ 20A, 233B	≤ 20A, 233B	≤ 20A, 233B	≤ 20A, 233B	≤ 20A, 233B	≤ 20A, 233B

Also available in UL Listed Powder  
 Required capacities may be customized

#### Application :-

**Class A Fire :** Wood, Textiles, Paper, Plastic, Cloths, Cotton, Jute etc.

**Class B Fire :** Petroleum, Oil, Diesel, Paint, Varnish, Solvent, Aviation Fuel, Flammable and volatile liquids etc.

**Class C Fire :** Flammable Gases, Live Electrical Equipments, Industrial Gases, Electrical Installation, Power Grid etc..

## Wheeled Water Mist System & CAFS (Compressed Air Foam System)

IS-16018  
  
 CM/L-8765605



LG-3645



### Technical Specification

MODEL	LG-3645
<b>Extinguishing Agent Tank</b>	
Conforming IS Specn.	16018
Filling Capacity	45 Litres
Material	Stainless Steel / Mild Steel
<b>Working Pressure</b>	
Pressure	8.0-9.0 Bar
<b>Propellant Gas Bottle</b>	
Medium	Compressed Air
Pressure Cylinder	Cylinder
Filling Pressure	300 bar
Volume	6.8 Litres
<b>Technical Parameters</b>	
Operating Time	More than 30 Seconds
Operating Temperature	+5°C to +55°C
Carrying Device	Ergonomically Shaped
<b>Extinguishing Gun</b>	
Changeover Time	Approx. 3 Sec (Jet to spray mode)
Lancing Distance	≥ 15m jet mode
<b>Ratings (Extinguishing Performance)</b>	
A Class Fire	≤ 6A
B Class Fire	≤ 233 B

## Backpack Water Mist System & CAFS (Compressed Air Foam System)

EN3



### Technical Specification

MODEL	LG-3609
<b>Extinguishing Agent Tank</b>	
Filling Capacity	9 Litres
Material	Stainless Steel
<b>Working Pressure</b>	
Pressure	7.5 Bar
<b>Propellant Gas Bottle</b>	
Medium	Compressed Air
Pressure Cylinder	Cylinder
Filling Pressure	300 bar
Volume	2 Litres
<b>Technical Parameters</b>	
Operating Time	Approx. 35 Sec
Flow Rate	24 litres/min
Operating Temperature	+5°C; Tmax + 60°C
Carrying Device	Ergonomically Shaped
<b>Extinguishing Gun</b>	
Changeover Time	Approx. 3 Sec (Jet to spray mode)
Lancing Distance	Approx. 13-16m jet mode   Approx. 6-7m spray mode
<b>Ratings (Extinguishing Performance)</b>	
A Fire Class	55 A (as per EN3)
B Fire Class	233 B (as per EN3)
<b>Dimensions</b>	
Weight Empty (with the gas bottle & Valve)	28 kg



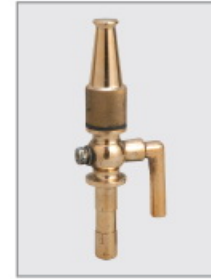
LG-3609

## First-Aid Hose Reel

IS-884  
  
CM/L-3202027



LG-421



Shut-off Nozzle  
LG-421A



Thermoplastic Hose Pipe  
LG-421B

### Technical Specifications

**Type :** Swinging 180° Wall Mounting  
**Size :** Inlet 20mm (¾" BSP Thread Size)  
**Conforming Specification :** IS 884

### Material of Construction :

- Hub Sides & Wall Bracket - M.S. Sheet as per IS:513
- Swivel Joint - LTB-2 as per IS:318
- Pipe with Fitting - Steel of as per :1239 Part I
- Branch Pipe with Nozzle - IS:8090
- Hose Reel Tubing - Thermoplastic Hose (IS:12585)  
Rubber Hose (IS:444)

### Performance Test

- Hydrostatic Test : Tested at 21 Kg/cm<sup>2</sup>
- Range & Water Flow rate test at 7 Kg/cm<sup>2</sup>
  - (A) Discharge : 24LPM
  - (B) Range (Jet Length) : 6mtr(min)

## Compact Type Hose Reel



LG-421D

### Specifications

**Size :** Inlet 20mm (¾" BSP Thread Size)

### Performance Test

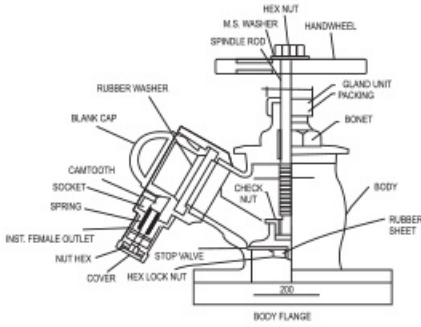
- Hydrostatic Test : Tested at 21 Kg/cm<sup>2</sup>
- Range & Water Flow rate test at 7 Kg/cm<sup>2</sup>
  - (A) Discharge : 24LPM
  - (B) Range (Jet Length) : 6mtr(min)

### Features

- Corrosion Free
- Powder Coated
- Light Weight
- IS:12585 Hose Reel Pipe with Bursting Pressure 14kg/cm<sup>2</sup>
- Hydraulically clamped CE Marked Nozzle

## Landing Valve (Type-A)

IS-5290  
  
CML-3201227



Gun Metal  
LG-401

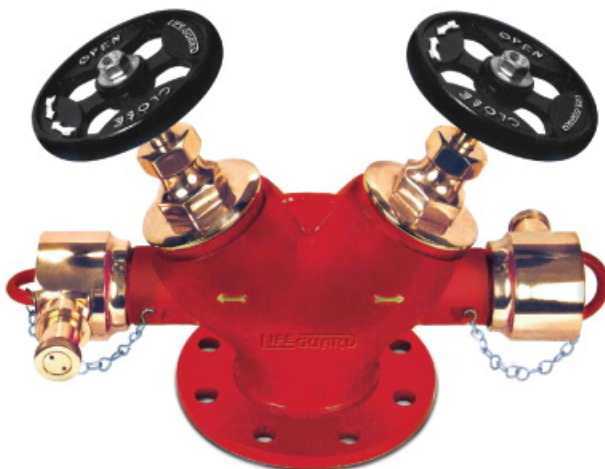


Stainless Steel  
LG-402

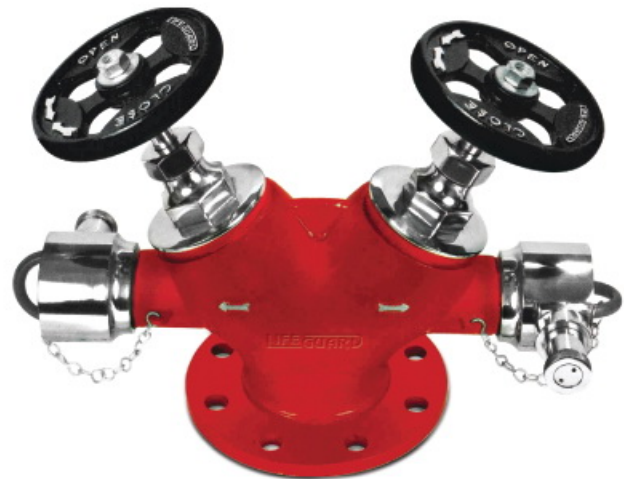
Type of Material	Gun Metal	Stainless Steel
Model No.	LG-401/LG-406	LG-402/LG-407
Flow (LPM)	900/1800	900/1800
Water Tightness Pressure	14 Kg/cm <sup>2</sup>	14 Kg/cm <sup>2</sup>
Hydrostatic Pressure	21 Kg/cm <sup>2</sup>	21 Kg/cm <sup>2</sup>
Inlet Diameter	75mm / 100mm	75mm / 100mm
Outlet	63mm	63mm

## Landing Valve (Type-B)

IS-5290  
  
CML-3201227



Gun Metal  
LG-406



Stainless Steel  
LG-407

## Fire Hose Delivery Coupling

IS-903  
  
CM/L-3201328



Gun Metal  
LG-416



Stainless Steel  
LG-417



Aluminum  
LG-418

Type of Material	Gun Metal	Stainless Steel	Aluminum
Model No.	LG-416	LG-417	LG-418
Size	63mm	63mm	63mm
Hydrostatic Pressure	21 kgf/cm <sup>2</sup>	21 kgf/cm <sup>2</sup>	21 kgf/cm <sup>2</sup>

## Branch Pipe & Nozzle

IS-903  
  
CM/L-3201328



Gun Metal  
LG-411



Stainless Steel  
LG-412



Aluminum  
LG-413

Type of Material	Gun Metal	Stainless Steel	Aluminum
Model No.	LG-411	LG-412	LG-413
Size	63mm	63mm	63mm
Nozzle Size	12mm / 15mm	12mm / 15mm	12mm / 15mm
Hydrostatic Pressure	21kgf/cm <sup>2</sup>	21kgf/cm <sup>2</sup>	21kgf/cm <sup>2</sup>

## Mobile Foam Unit



LG-527

### TECHNICAL DETAILS

- Working pressure : 7kgf/cm<sup>2</sup> to 10kgf/cm<sup>2</sup>
- Max allowable back pressure : 65% of inlet pressure.
- Hydraulic test pressure : 25kgf/cm<sup>2</sup> for 5 minutes.
- Inductor : 3% or 6% fixed type
- Inlet / Outlet : Optional : Variable Type 63mm instantaneous Male GM/SS Coupling
- Dip Tube : SS 304
- Pickup Tube : PVC Braided Flexible Hose

Available in SS, MS & FRP

It is a self contained Mobile Foam Unit for rapid deployment of foam extinguishing agent to fire in chemical spills where water (in most cases) proves ineffective in quenching hydro carbon liquid based fires in petroleum, chemical and other similar industries. This compact ready for action equipment consist of foam tank inductor, branch pipe and fire hoses ready to plugin to a suitable water supply.

## Fire Hose



LG-422A



LG-422B



LG-422H

### Technical Specification

Type of Material	R.R.L. Hose Type 1	R.R.L. Hose Type 2	Synthetic Hose Type 3	C.P. Hose
MODEL No.	LG-422A	LG-422R	LG-422B	LG-422H
Inside (inches)	2.5	2.5	2.5	2.5
Dia (mm)	63	63	63	63
Bursting Pressure (kgf/cm <sup>2</sup> )	21.4	21.4	25	21.4
Proof Pressure (kgf/cm <sup>2</sup> )	35.7	35.7	42	35.7

(Also available UL Listed Fire Hose)

## Automatic Sprinkler Heads (ISI Marked)

Technical Data (Sprinkler Head)	
Approval :	Bureau of Indian Standards (IS 9972:2002)
Minimum Operating Pressure :	7 psi (0.5 bar)
Maximum Working Pressure :	175 psi (12 bar)
Factory tested hydrostatically to	30 bar
Thread size :	1/2" BSP
Nominal Bore or Orifice size :	15mm
Nominal K-Factor or Discharge coefficient :	80±4



**Pendent Type**

**LG-503B**



**Sidewall Type**

**LG-503F**



**Upright Type**

**LG-503D**

## Water / Foam Monitor



**LG-522**

Aqua Foam Nozzle



**LG-504** FB-10X



**LG-505** FB-5X



**LG-526 0063**



**LG-526 1075**



**LG-526 1100**

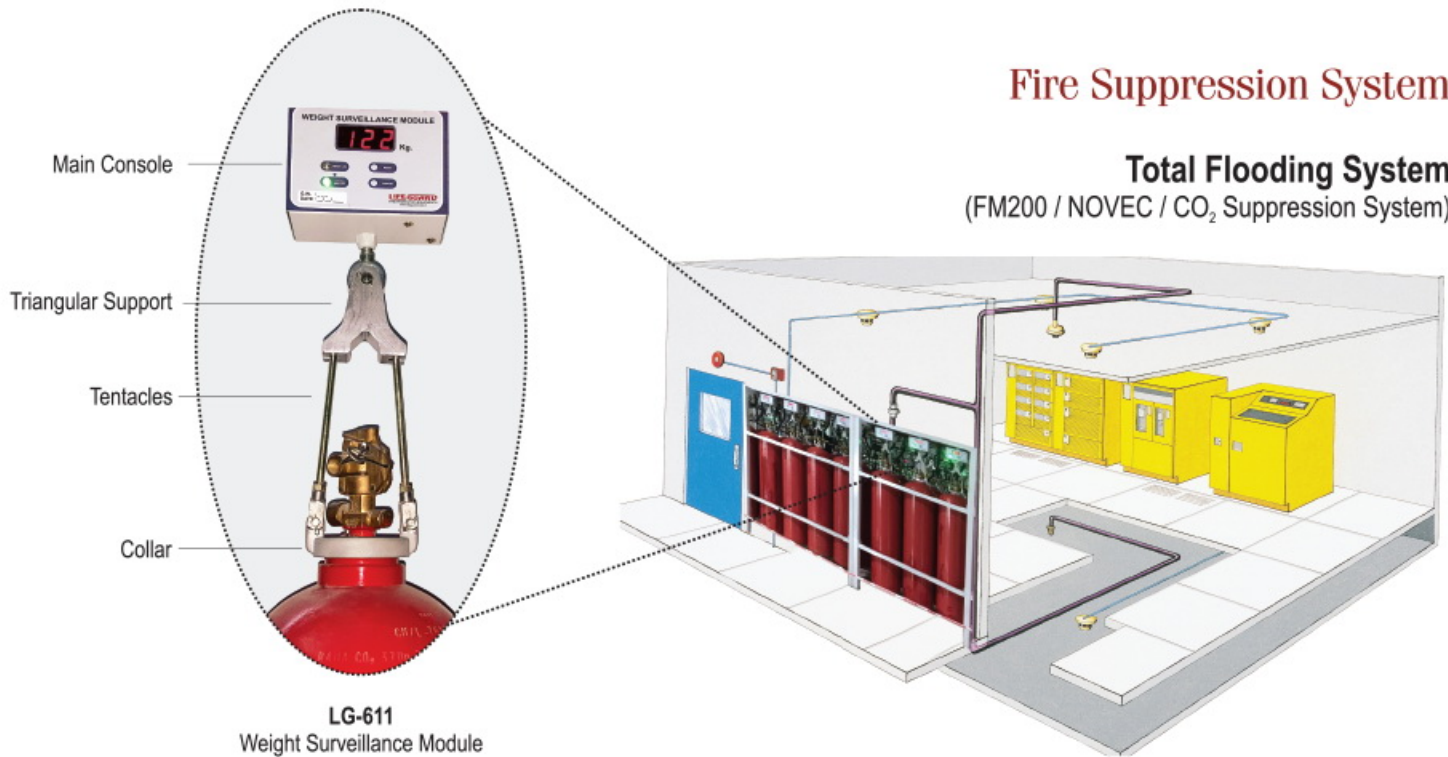
### Technical Specification

MODEL	LG-526 0063	LG-526 1075	LG-526 1100
Material	Carbon Steel	Carbon Steel	Carbon Steel
Maximum Operating Pressure	12 Bar (175 PSI)	12 Bar (175 PSI)	12 Bar (175 PSI)
Flow Rate	1750 LPM @ 7 Bar	2580 LPM @ 7 Bar	3750 LPM @ 7 Bar
Throw Range	55 Meters, Projection Angle : 30°	62 Meters, Projection Angle : 30°	67 Meters, Projection Angle : 30°
Inlet Flange	Flanged to IS:1538 100 NB (4") Raised Flange ANSI B 16.5 150 LBS	Flanged 100 NB (4") Raised Flange ANSI B 16.5 150 LBS	Flanged 100 NB (4") Raised Flange ANSI B 16.5 150 LBS
Monitor Outlet	2.5" Water way / Male BSP Thread Nozzle : Jet / Jet - Spray	3" Water way with Jet Spray / Aqua Foam Nozzle with Pickup Tube	4" Water way with Jet Spray / Aqua Foam Nozzle with Pickup Tube
Barrel Size / Nozzle Bore Dia NB	63/32	75/38	100/45
Monitor Movement	Vertical Movement - Manual Swivel Operation With Lock Horizontal Movement - Manual Swivel Operation With Lock	Vertical Movement - Manual Swivel Operation With Lock Horizontal Movement - Manual Swivel Operation With Lock	Vertical Movement - Geared Swivel Joint With Self Locking Horizontal Movement - Geared Swivel Joint With Self Locking
Hydrostatic Test Pressure	25 Bar	25 Bar	25 Bar
Monitor Rotation	360° continuous	360° continuous	360° continuous
Monitor Elevation	(+)90° above horizontal (-)45° below horizontal	(+)90° above horizontal (-)45° below horizontal	(+)90° above horizontal (-)45° below horizontal
Finish	Red Polyurethane	Red Polyurethane	Red Polyurethane
Ordering Information	Please Specify Monitor Model, Flange Connection, Nozzle Model & Flow rate	Please Specify Monitor Model, Flange Connection, Nozzle Model & Flow rate	Please Specify Monitor Model, Flange Connection, Nozzle Model & Flow rate

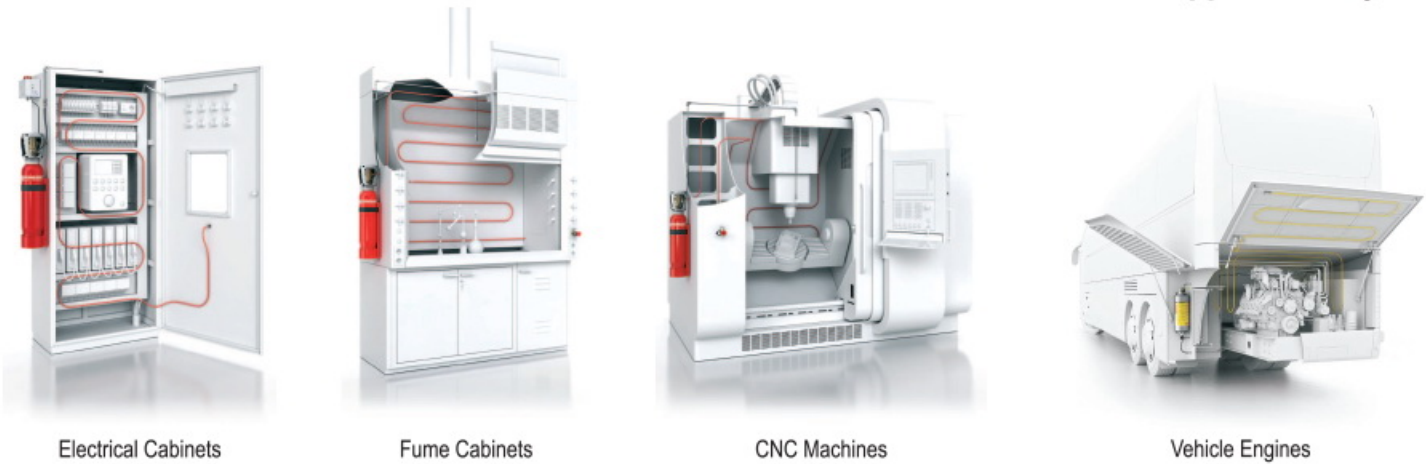


## Fire Suppression System

### Total Flooding System (FM200 / NOVEC / CO<sub>2</sub> Suppression System)



### Tube Based Suppression System



### Kitchen Hood Fire Extinguishing System

S. No.	Qty	Description
1	1	ILP cylinder / valve assembly 9 Liter (not filled)
2	1	Cylinder bracket
3	1	Gasket
4	1	Tube fitting (nickel plated)
5	1	Steel hose
6	1	Tube fitting - straight union
7	4	Tube fitting - Elbow
8	1	Cross panel-fitting
9	6	Stainless steel tubing (1m)
10	4	Pipe bracket (Ø8mm)
11	2	Tube fitting - Tee
12	3	Tube fitting - straight G 1/4"
13	3	Nozzle
14	1	Cross panel-fitting
15	20	Screw clips for tube attachment
16	1	LIFEGUARD Tube red (10m)
17	1	Manuel release device
18	1	Pressure switch
19	1	LIFEGUARD suppression agent
<b>Optional</b>		
20	1	Alarm Box



## Fire Detection System



LG-545 IV  
Fire Control Panel

LG-545 II  
Fire Control Panel



LG-521SD  
Smoke Detector



LG-521MD  
Multi Detector



LG-521HD  
Heat Detector



LG-520A  
MCB



LG-520B  
Hooter



LG-520C  
Response Indicator

### STANDARD FEATURES

- Complies to IS 2189:1999 and Tested by ERTL (N).
- 2 x 16 character backlit LCD display.
- 2 Wire Communication facility via RS 485 Port. (For Repeater Panel) (optional)
- Lamp test features.
- Complete with integral power supply and battery charger for SMF battery.
- NO/NC contacts for both fire and fault.
- Switches to enable on board operation.
- LCD and LED Indication for open, short circuit, Isolate, Fire in each zone.
- Maximum nos. of Detectors in each zone is 25

Control Panel also available in 6 Zone, 8 Zone, 12 Zone, 24 Zone, 36 Zone and can be customized.

## Emergency Light

IN CASE OF EMERGENCY, THE LED ENLIGHTENS THE PATHWAY TO BE FOLLOWED



LG-641



Side View

### Features :

- Energy efficient & high intensity UL listed LEDs
- Prolonged service life
- Trickle charging
- Minimum maintenance
- Optimum utility
- Smooth operation
- Off white powder coated finishing

### Technical Specification

M.O.C.	Mild Steel
DIMENSIONS (in mm)	330 x 200 x 125
GROSS WEIGHT	5.00 Kg approx.
INPUT VOLTAGE	220 Volt
CHARGING TIME	10 hours approx.
OPERATING TIME (on Battery)	3.5 hours approx.
BATTERY	7 Amph

### Application :-

- Disaster management
- Construction Sites
- No power zone area
- Hospitals / Nursing Homes
- Hotels
- Residential Areas
- Camps
- Theaters
- Corporate Offices
- Airports
- Railway Stations
- Shopping Malls

## Egress Edgelit Light

LG-642



**Features :**

- Red LED indication on charging
- Constant Voltage Charging
- Fully Electronic, no moving part
- Reduced maintenance & installation cost
- Easy Read out
- As per IS 9583:1981

**Technical Specification**

MODEL	LG 642
INPUT POWER	12V D.C.
CHARGING CURRENT	60mA
M.O.C.	Aluminium / Acrylic
COLOR	WHITE / GREY
DIMENSION	300mm x 125mm / As per requirement
BATTERY	12 Volts

## Photoluminescent Signages

LG-528-01		LADIES TOILET	LG-528-11	LG-528-06		FIRE EXTINGUISHER	LG-528-16
LG-528-02	FIRE EXIT	GENTS TOILET	LG-528-12	LG-528-07	NO PARKING	INFORMATION	LG-528-17
LG-528-03	EXIT	FIRE EXIT	LG-528-13	LG-528-08	NO SPITTING	NO ENTRY	LG-528-18
LG-528-04	निकास EXIT	EXIT	LG-528-14	LG-528-09	NO SMOKING	PARKING	LG-528-19
LG-528-05	WASH YOUR HANDS	FIRE ALARM	LG-528-15	LG-528-10	PHONE	FIRST AID	LG-528-20

Customization can be done as per requirement



LG-528 Glow Signages

## ISI Marked Fire Buckets

IS : 2546  
CM/L 8570788



LG-525P

**Tested Leakproof ISI Marked Fire Buckets**

MODEL	LG-525P
STANDARD SPECIFICATION	IS 2546: 1974
CAPACITY	10 LTR
USAGE	Heavy Duty
TEST	Leakproof Tested

**Accessories**



**LG-501**  
Hose Box



**LG-534**  
Fire Extinguisher Stand



**LG-535**  
Fire Blanket



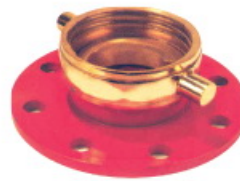
**LG-538**  
Fire Man Axe



**4 Way**  
**LG-423A**



**2 Way**  
**LG-423B**  
Collecting Heads



**LG-502**  
G.M. Draw out Connection



**LG-516**  
Jumbo Water Curtain Nozzle



**LG-522**  
Hand Control Fast Action Nozzle



**LG-530**  
Fire Hook



**LG-531**  
Fire Beater



**LG-533**  
Rope Ladder

**CHEMICAL BAGS**



**IS:4989**  
AFFF Refills  
**LG-551**



**IS:4308**  
Dry Powder (BC)  
**LG-552**



**IS:14609**  
Dry Powder (ABC)  
**LG-553**



**LG-540**  
Flexible Hose Pipe for Sprinklers



**LG-550**  
Rosette Plate



**LG-537**  
High/Medium Velocity Nozzle



**LG-541**  
Water Curtain Nozzle



**A**      **B**  
**LG-506**  
Dividing Breaching



**LG-507**  
Suction Strainer

**LG-508**  
Foot Valve  
Strainer

**LG-509**  
Suction Coupling



**LG-510**  
Revolving Branch



**LG-511**  
Fog Nozzle



**LG-512**  
Triple Purpose Nozzle



**LG-513**  
Double Male



**LG-514**  
Double Female

**Accessories**



**LG-515**  
Gun Metal Adaptor



**LG-517**  
Air Release Valve



**LG-549**  
Fire Rescue Kit



**LG-518**  
Electric Siren



**LG-519**  
Manual Siren (Hand Operated)



**LG-543**  
Gum Boots



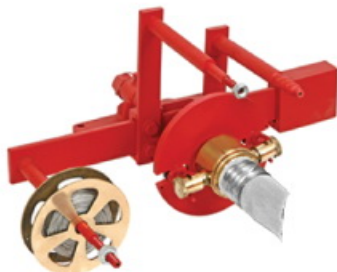
**LG-542**  
Reflective Jacket



**LG-524**  
Fire man Helmet



**LG-525**  
Fire Bucket



**LG-544**  
Hose Binding Machine



**LG-525 AC**  
Fire Bucket Stand with Canopy



**LG-525 A**  
Fire Bucket Stand

# LIFE GUARD®

FIRE PROTECTION EQUIPMENTS & SYSTEMS

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FIRE PROTECTION EQUIPMENTS & SYSTEMS



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Please refer the latest IS Codes for detailed information.

For Genuine **LIFEGUARD** Brand ISI Mark Fire Fighting Equipments Check Twice "3D" Hologram Sticker & Engraved

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