

**HARIOM ENGINEERING WORKS**

**M-Tech Fire Fighting  
Equipment**



**M-TECH<sup>®</sup>**

*your safety is our aim*

## About Us

We introduce ourselves as one of the accredited manufacturer of a comprehensive range of tried and trusted fire safety equipments for over a period of time.

We are manufacturing a wide variety of products which are constructed as per Indian Standards Specification.

We are ISO 9001:2008 certified company, we always remain firm in our strategy of creating first rate products at reasonable prices, M-tech Fire Engineering Works is formed with over 15 years of experience in the Fire Fighting Industry.

We strives for catering of varying requirements of all clients for over the years, as a result of our services we have earned the trust and respect of your clients and made our reputation in the market.

We have a good number of skilled workers and well experience staff who has wide range of experience in the field fighting of handling the technical and commercial aspects of the business.

We follow strict quality control measures, checking the product at all stages, We never compromise on quality or reliability.

You may be assured that we will supply you high quality and low cost products. In case you need more information on corporation and our products, please do not hesitate to contact our sales executive.



**M-TECH**<sup>®</sup>

The logo for M-TECH is located in the bottom left corner. It consists of the text 'M-TECH' in a bold, black, sans-serif font, with a registered trademark symbol (®) to the upper right. The text is set against a white background within a rectangular frame that has a red border and a blue inner section.



IS : 5290



CM/L 2635962

## Single Landing Valve Type



### Gun Metal

Body, Bonnet Assembly : LTB2-IS:318  
Valve Spindle : Brass Ros-IS : 319/320  
Cast Iron Wheel : IS 210  
Rubber Washer : IS 937 TYPE- (A)  
Spring : Phosphoreus Wire : IS:7608  
Gland Packing : Asbestos Thread : IS 4687  
Approval : ISI Marked From Bureau Of Indian Standards, (63mm)

Hydraulic  
Pressure Test  
Performance : 21 Kg.f/cm<sup>2</sup>  
Tightness : 14 Kg.f/cm<sup>2</sup>  
Flow Test :  
Satisfactory At  
7kgf/cm<sup>2</sup>

### Stainless Steel

Body, Bonnet Assembly : Stainless Steel -IS : 3444  
Valve Spindle : Stainless Steel-IS : 6603  
Cast Iron Wheel : IS 210  
Rubber Washer : IS 937 TYPE- (A)  
Spring : Stainless Steel : IS : 6528  
Gland Packing : Asbestos Thread : IS 4687  
Approval : ISI Marked From Bureau Of Indian Standards, (63mm)

Hydraulic  
Pressure Test  
Performance : 21 Kg.f/cm<sup>2</sup>  
Tightness : 14 Kg.f/cm<sup>2</sup>  
Flow Test :  
Satisfactory At  
7kgf/cm<sup>2</sup>

IS : 5290



CM/L 2635962



## Double Outlet Type Landing Valve Type-B



### Gun Metal

Body, Bonnet Assembly : LTB2-IS:318  
 Valve Spindle : Brass Ros-IS : 319/320  
 Cast Iron Wheel : IS 210  
 Rubber Washer : IS 937 TYPE- (A)  
 Spring : Phosphoreus Wire : IS:7608  
 Gland Packing : Asbestos Thread : IS 4687  
 Approval : ISI Marked From Bureau Of Indian Standards, (63mm)

Hydraulic  
 Pressure Test  
 Performance : 21 Kg.f/cm<sup>2</sup>  
 Tightness : 14 Kg.f/cm<sup>2</sup>  
 Flow Test :  
 Satisfactory At  
 7kgf/cm<sup>2</sup>

### Stainless Steel

Body, Bonnet Assembly : Stainless Steel -IS : 3444  
 Valve Spindle : Stainless Steel-IS : 6603  
 Cast Iron Wheel : IS 210  
 Rubber Washer : IS 937 TYPE- (A)  
 Spring : Stainless Steel : IS : 6528  
 Gland Packing : Asbestos Thread : IS 4687  
 Approval : ISI Marked From Bureau of Indian Standards, (63mm)

Hydraulic  
 Pressure Test  
 Performance : 21 Kg.f/cm<sup>2</sup>  
 Tightness : 14 Kg.f/cm<sup>2</sup>  
 Flow Test :  
 Satisfactory At  
 7kgf/cm<sup>2</sup>



IS : 903



CM/L 2694978

### Delivery Hose Coupling

#### Gun Metal

Male-Female Coupling  
Material Gun Metal LTB-2/IS:318  
Size 63mm Rubber Washer IS-937 (Type-A)  
Spring Phosphoreus Wire IS-7608  
Performance : Hydraulic Performance Test 21Kgf/CM2  
Approval : ISI Marked from Bureau of Indian Standard, (63mm)



### Branch Pipe & Nozzle

#### Gun Metal

Gun Metal Branch Pipe with Nozzle  
Material Gun Metal IS : 318 LTB-2  
Size : 63mm Nozzle Size-20mm  
Performance :  
Hydraulic Performance Test 21Kg. f/cm2  
Approval ISI Mark  
from Bureau of Indian Standard, (63mm)



### Delivery Hose Coupling

#### Stainless Steel

Male-Female Coupling  
Stainless Steel IS:3444  
Rubber Washer IS-937 (Type-A)  
Spring Stainless Steel IS-6528  
Performance :  
Hydraulic Performance Test 21Kgf/CM2  
Approval : ISI Mark  
from Bureau of Indian Standard, (63mm)



### Branch Pipe & Nozzle

#### Stainless Steel

Stainless Steel (Branch Pipe)  
Stainless Steel IS:3444  
Rubber Washer IS-937 (Type-A)  
Spring Stainless Steel IS-6528  
Performance :  
Hydraulic Performance Test 21Kgf/CM2  
Approval : ISI Mark  
from Bureau of Indian Standard, (63mm)



IS : 636 Type-A



CM/L9711381



## Hoses for Fire Hydrant System Fire Fighting Hose

IS : 8423



CM/L9783511



### M-Tech (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

### M-Tech (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



IS : 884



CM/L 2651051

IS : 12585



CM/L 9853607

## Thermo Plastic Hose Pipe



### Hose Reel Drum

- Hub IS : 513
  - Two Sides Swivel Joint LTB-IS:318
  - Pipes IS:1239 (Part-I,II)
  - Wall Bracket IS:513
  - Sides MS Sheets : IS:513
  - Performance : Resistance to Leakage Test
  - Hydraulic Pressure : 21 kg. f/cm<sup>2</sup>
- Approval : ISI Marked from Bureau of Indian Standards



### Hose Reel Drum

- Available in 19mm/20mm/25mm/31.5mm  
38mm ID sizes
- Non-corrosive, light weight, Recyclable  
Thermoplastic material
- Flame resistant, Abrasion & kink resistant
- Better pressure sustainability & appealing looks



## Compact Type ( Malaysian ) Hose Reel Drum



### Key Feature-

- Corrosion Free
- Leakage Free
- Rust Free
- Stores Less Space
- Type - II Pipe with Bursting Pressure of 14kg/cm<sup>2</sup>
- Ready to move (Pack)
- Powder Coated
- Light Weight
- Comes under CE Approval





## Collecting Heads

As per IS : 904



THREE WAY



FOUR WAY



TWO WAY



## Water Monitors



As per IS : 8442 Type (1)

Monitor Size	Nozzle Size	Range in Mtrs.	Flow FPM
63 mm	32 mm	50 Mtr.	1750 Lpm
75 mm	34 mm	54 Mtr.	2580 Lpm
100 mm	36 mm	60 Mtr.	3750 Lpm

### Water Monitors

Standpost Mounted

LTB2 Swivel Joint

Locking system for change in directions.

LTB2 Jet Nozzle

Bearings with S.S. ball in survival joint

Performance Test : 23 kgs f/cm<sup>2</sup>



## Collecting Heads



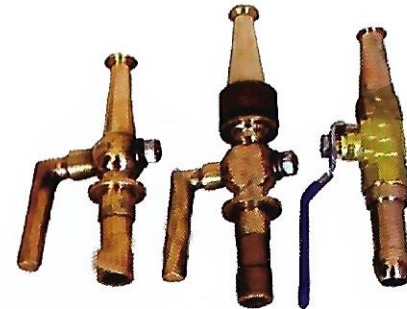
GM Collecting Breeching



G.M. Dividing Breeching



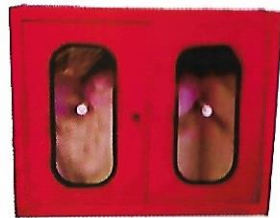
Revolving Nozzle



Shutt-off-Nozzle



Fog Nozzle



M.S. Hose Box



Triple Purpose Nozzle



G.M. Suction Coupling



C.I. Draw out Connection



Hand Controlled Nozzle



G.M. Air Release Valve



Aluminum Air Release Valve



G.M. Draw out Connection



Suction Strainer



Suction Coupling



Suction Coupling



Jet Spray Nozzle



## 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	:	175 psi
Glass Bulb Diameter (mm)	:	05



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## MULTIPURPOSE ABC DRY POWDER STORED PRESSURE TYPE

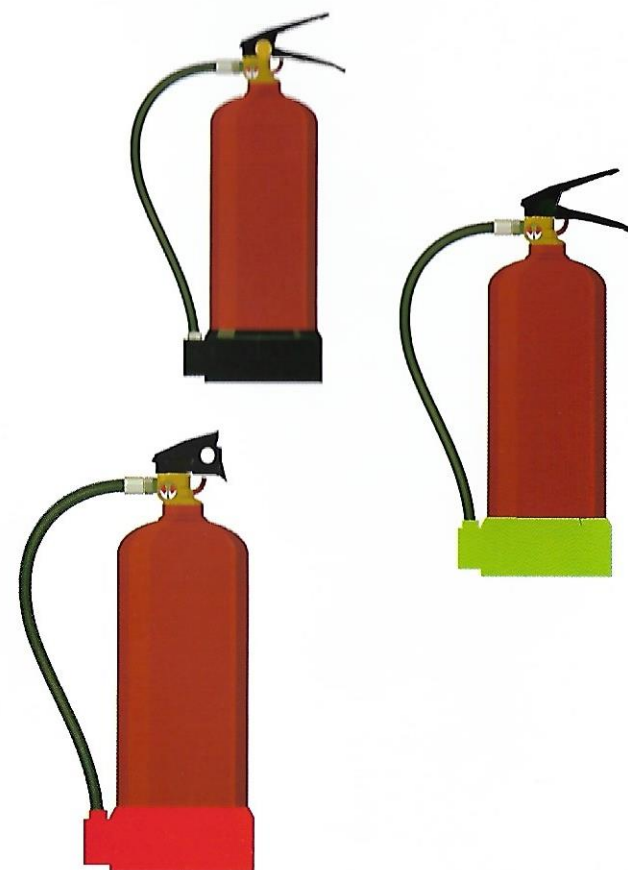
PORTABLE

### Technical Specification/Characteristics

Capacity	1kg.	2kg.	4kg.	6kg.	9kg.
Indian Standard			15683		
Type			Stored Pressure		
Extinguishing media	Dry Powder (abc Powder Conforming To Is 14609)				
Expellant			Nitrogen		
Operating Temperature			-10 To+55 C		
Minimum Effective			More Than 90 Percent		
Hydraulic test pressure			27 Kg/cm <sup>2</sup>		
Throw more than			2meters		
Discharge time (secs) Minimum	8	8	8	13	13
Resistance to Impact			Yes		
Resistance to Vibration			Yes		
Tapping Test (500 Strokes)			Conforms		
Resistance to Corrosion (salt Spray Test)			Yes		
Fire Rating	1A,8B	1A,8B	1A,13B	2A,21B	2A,34B

### Application Areas-

Papers, wood, textiles, rubber, plastics, oil petrol, paint, petrochemical products, resins, compressed gasses like acetylene, LPG, CNG, electrical and sophisticated electronic equipments.



## Terms & Conditions

- Tax - VAT or C.S.T. will be charged extra as applicable
- Payments - All payment to be made in favour of M-Tech Fire Engineering Works through Cheque/DD/PO payable at delhi
- Dispute - All transaction or any disputes subject to Delhi Jurisdiction only
- Order - 50% advance of the total value with the order & the balance amount through bank by DD or pay order payable at Delhi against delivery of the documents.
- Supply - We reserve rights to company the order in full or part there of.
- Interest - Interest @ 18% P.A. will be charged extra on every bill, if the bill is not paid with in one month.
- Claim - Claim of damage if any to be settled by the buyer directly with hte transport Co. or Rly. authorities on when so ever it be.
- Guarantee - No responsibility will be accepted for accident arising in mishandling or misuse or any loss whatsoever may due to breakage, leakage and shortage during transit accident.
- Warranty - All products have warranty of six months for any manufacturing defect from the date of supply.



CHECK OUR COMPANY HOLOGRAM FOR ORIGINAL PRODUCT



HYDRANT ACCESSORIES

WASHERS

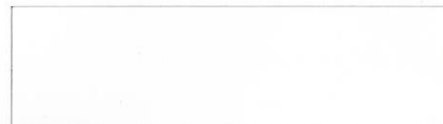
FIRE BUCKET

FIRE MAN AXE

Caps



Dealer -



Manufactured by :  
**HARIOM ENGINEERING WORKS**  
Website : [www.firemtech.in](http://www.firemtech.in)

AN ISO 9001:2008 CERTIFIED COMPANY