



Transforming Challenges with Expertise

# Total Protection

from concept to commissioning ● ● ●



## About us

FIRETECH is a leading Indian company in the field of Fire suppression technologies, with Best in Class Specification for its UL Listed Bladder Tanks.

FIRETECH's Innovation is driven by a thirst for newer experiences and an exposure to the various existing industrial challenges in developing Fire Protection Solutions. FIRETECH's Product Innovation capabilities as well as system Design and Engineering services have always exceeded Customer Expectations and have changed the Fire Protection Status Quo.

FIRETECH has been the Customer's first choice in the Indian Fire Protection Industry when it comes to customized systems like Bladder Tanks, Foam proportioning Skids, Tailor-made Foam Equipment & Systems, DCP Skids or critical hazard protection like Oil Jetty, Nuclear Submarine, LNG Storage Installations, Helicopter Landing Pads and Aircraft Hangars etc.

Our manufacturing unit is located near Mumbai-Goa National Highway, well connected to the Nhava-Sheva Sea Port. Our head office is located in Mumbai and this ensures easy and speedy access to Export facilities.

We stand tall on the shoulders of Innovation, Quality, World Class Approvals, which should make us your first choice as Global Business Partner.

### Vision

To maintain a leading position in Fire Fighting Industry by manufacturing Innovative, Reliable and Progressive Fire Suppression Solutions.



### Mission

To develop World-Class Fire Suppression Solutions and to constantly exceed Customer Expectations.



## Values

### Quality

At Firetech, we ensure that our equipment and systems are designed to exceed the basic quality requirements in terms of specifications, codes, manufacturing practices and testing which exceed Customer's Expectations.

### Responsibility

It is our commitment to take personal responsibility of Quality, on-time Delivery and exceed Customer Expectation.

### Innovation

We are dedicated to Innovate at every stage i.e. Product, Manufacturing Processes & Fire Protection Solution through continuous Study, Research & Value addition.

### Customer Service

Our Core Team constantly strives to guarantee optimal performance for every Delivered Solution, ensuring Customer Trust and Satisfaction.



## Manufacturing Facilities

- 1 CNC Machine Centres to control accuracy and quality
- 2 Assembly Shop with modern tools and equipment
- 3 Fabrication Shop for CS, SS and Cupro Nickel
- 4 Machine Shop with Conventional and Special Purpose Machines

## Manufacturing Plant at MIDC, Lote



## Testing Facilities

- **Water** - Hydrostatic Test, Flow Rate Test, Pressure Drop Measurement, Spray Density Measurement, Monitor Throw Range
- **Foam** - Proportioning, Expansion, Drainage, Fire Test
- **DCP** - Total Discharge Rate, Throw Range & as per Client's specification
- Tailor made testing skids as per Standards & Client's specification

High Expansion System for Dykes    1500 Kg DCP Unit Performance Testing



Storage Tank  
Foam System Testing



Bladder Tank is the most Simple, Reliable and Accurate Foam Proportioning Unit with Unique features

#### Features

- UL Listed with AFFF & AR-AFFF Foam Concentrates
- Vertical Mounting - 200 to 15000 Litres
- Horizontal Mounting - 200 to 15000 Litres
- Foam Proportioners - 50NB to 200NB
- Widest Flow Range - 75 LPM to 30,000 LPM
- Available with ASME U Stamp / CE Marking

#### Specification

- UL Listed to UL-162
- Designed as per ASME Sec.VIII Div.1
- Foam Vessel - Carbon Steel / Stainless Steel Construction
- Bladder - Nylon Reinforced Nitrile (BUNA-N)
- Water Piping - Carbon Steel
- Foam Piping - Stainless Steel
- Valves - Stainless Steel
- Rated Pressure - 12 Bar (175 psi)
- Hydrostatic Test Pressure - 18 Bar (263 psi)
- Finish - High Performance Corrosion Resistant Coating



More than  
**600++**  
Units in Service



# UL Listed Bladder Tanks and Foam Concentrates



**Client** - Sygenta India Limited

**Project** - Foam Sprinkler Pre-action Deluge System

**Equipment** - Bladder Tanks  
3000 Ltrs x 2 Nos, 2000 Ltrs x 5 Nos.,  
1600 Ltrs x 1 No., 1400 Ltrs x 1 No.,  
1100 Ltrs x 1 No., 800 Ltrs x 2 Nos.,  
600 Ltrs x 4 Nos., 200 Ltrs x 2 Nos.,  
100 Ltrs x 2 Nos.



**Client** - Indian Oil Corporation Limited

**Project** - Foam System for CRT and FRT Hydrocarbon Storage Tanks at IOCL Kandla FST, Gujrat

**Equipment** - Bladder Tank  
4000 Ltrs. x 1 No. & 10,000 Ltrs. x 1 No.  
& Foam Pourers



**Client** - Asian Paints Limited

**Project** - Medium Expansion Foam System for Solvent Bund Area Protection at 16 Locations

**Equipment** - Bladder Tanks  
1500 Liters x 16 Nos. & MEX Bund Pourer 150 Nos.



#### Foam Maker & Foam Chambers

- Flow Range** - 75 to 2800 LPM
- Material** - Carbon Steel / Stainless Steel
- Inlet Pressure** - 2.8 Bar to 7 Bar
- Field Replaceable Orifice Plates
- Finish** - Corrosion Resistant Coating

#### Foam Monitors

- Fixed Flow** - 500 to 2000 GPM
- Variable Flow** - 500 to 2000 GPM
- Materials** - Stainless Steel
- Rated Pressure** - 12 Bar (175 psi)
- Finish** - Corrosion Resistant Coating



#### Medium & High Expansion Foam Generators

- Naturally Aspirated / Inside Air Application
- Stainless Steel Construction
- Flow Range** - 125 LPM to 600 LPM
- Inlet Pressure** - 3 Bar to 7 Bar
- Expansion Ratios** - 35 to 700 Times

#### Foam Sprinklers

- Stainless Steel / Bronze Construction
- K-Factor 42 Metric
- Inlet Pressure** - 2 Bar to 7 Bar
- Compatible with all Foams



#### Inline Foam Proportioner

- Stainless Steel / Bronze Construction
- Sizes** - 50NB to 200NB
- Flow Range** - 75 LPM to 30,000 LPM
- Rated Pressure** - 16 Bar
- Proportioning Ratio** - 1%, 3%, 6%



## Foam Concentrates

- FIRETECH AFFF 1%
- FIRETECH AFFF 3%
- FIRETECH AFFF 3% FREEZE PROTECT
- FIRETECH AR-AFFF 3x3%
- FIRETECH AR-AFFF 3x6%
- FIRETECH FP 3%
- FIRETECH FP 6%
- FIRETECH FFFP 3%
- FIRETECH FFFP 6%
- FIRETECH AR-FFFP 3%

## Foam Skids

- Foam Pump Skids
- Foam Porportioner Skids
- Inline Inductor Skids
- Multiple Bladder Tank Skids
- Turbine Driven Foam Pumps
- Hydro-Pneumatic Foam Skids



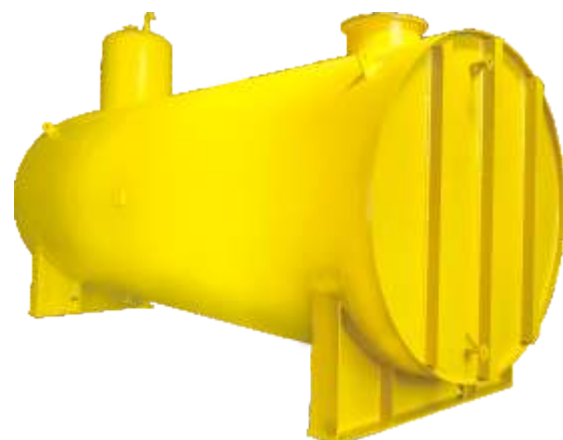
## Rimseal Foam Systems

- Designed as per NFPA -11
- Stainless Steel Construction
- Rated Pressure - 12 Bar (175 psi)
- Operation Time - 40-50 seconds
- Detection - Thermoplastic, Fibre Optic (UL Listed), LHD Cable (UL Listed)



## Foam Storage Tank

- Capacity - 200 Litres to 50,000 Litres
- Designed as per ASME Sec.VIII Div.1
- Design Pressure - as required
- Hydrostatic Test Pressure - 1.5 times working pressure
- Stainless Steel / Carbon Steel FRP Lined
- Mounting - Horizontal / Vertical





## DCP Units

- 1 DCP Skid with Hose Reels and Monitors: 150 Kg to 2000 Kg
- 2 DCP Skid with Remote Actuation
- 3 DCP Skid Performance Testing
- 4 Trailer mounted DCP Skid Units: 250 Kg to 1000 Kg

### DCP and Foam Skid for LNG Terminals



### Twin Agent Skids

### Custom Built Premixed Foam and DCP Twin Agent unit



## Design and Engineering Services

- Oil Jetty Protection
- Foam Proportioning unit / system
- Water Curtain / Spray System
- Fixed Foam System for Storage Tank Protection
- Foam Sprinkler System
- Medium Expansion Foam System
- High Expansion Foam System
- DCP Systems

## Projects Executed

System Owner	Project Brief	Consultant	Inspected by
Syngenta India	Bladder Type Foam Proportioning Systems for Pre-Action Deluge System - 17 Nos.	Mott Mac Donald	Syngenta
Indian Oil Corporation Limited	Foam Pump Skid, Foam Storage Tanks & Multiple Inline Balance Pressure Foam Proportioners min to max range	Engineers India Limited	SGS
New Mangalore Port Trust Limited	Electro Hydraulic Remote Control Monitor Package for Oil Jetty	Mather and Platt	Indian Register of Shipping
Bharat Petroleum Corporation Limited	High Expansion Foam System for Bund area of Storage Tank (Bladder Tanks + High Expansion Foam Generators)	Thyssen krup	Thyssen Krup
Indian Oil Corporation Limited	Foam Proportioning System Bladder Type with Foam Sprinklers for Hydrocarbon Pump Sheds	Tehno Fire	Certification Engineers International Limited
Defence Machine Design Establishment	Hydro Pneumatic Foam Suppression Skid	DMDE	CQAE
Cochin Shipyard Limited	Dry Chemical Powder Skid Unit + Foam Proportioning Skid Unit	Firetech	Indian Register of Shipping
Indian Styrene Rubber Limited	Foam Skid Package (Foam Tanks + Foam Proportioner Skid + MOV + Control Panels)	Toyo Engineering India Limited	Lloyds Register
Bharat Petroleum Corporation Limited	Design and Engineering of Foam and Spray Systems for 18 Nos. of Oil Terminals	Firetech	Bharat Petroleum Corporation Limited

## Clientele



### FIRETECH EQUIPMENT & SYSTEMS PRIVATE LIMITED

Phone: +91-22- 25665570 / 25665539 | Email: info@firetechindia.com | Website: www.firetechindia.com

#### Registered Office:

24, Sardar Pratap Singh Industrial Estate No.3,  
L.B.S. Marg, 1<sup>st</sup> Floor, Bhandup (W),  
Mumbai - 400078, India.

#### Factory:

C-5/1&2, MIDC, Lote Parshuram,  
Tal. Khed, Chiplun - 415 722,  
Dist. Ratnagiri, India.