



Protecto FireTM
Safety Industries

Mfg. of Fire Protection Equipment



The Protection With Assurance



ISO 9001:2015 COMPANY

We are

Protecto Fire Safety Industries prides itself as one of the leaders in fire fighting and industrial Safety equipment. We provide the latest Technology and equipment allowing us to give our customers the best services possible. We also do a follow up on all clients to ensure that all equipment supplied is efficiently running and serviced on time. We have grown out of the need of ensuring safety and professional guidance to the public for safer and proper usage of all fire and industrial safety equipments.

A team of professional engineers having years of experience best expertise and knowledge to serve many requirements within Fire Protection and Safety Business.

We offer products, services and solutions for wide range of industries. These are some of the major and critical applications where our solutions are commonly used. We have started operation with the aim to provide best quality products within the specified time limit.

Our Company is an ISO 9001 : 2015 Certified Company and our most of the products are having BIS approved mark. Also having all Statutory registration of Govt. of India.

Protecto Fire Safety Industries is your ONE STOP SOLUTION for :

1. Fire Protection Equipment
2. Hydrant System and Accessories
3. Foam Equipments (Portable type and Fixed type)
4. Water and Foam Monitors (Manual and Remote Operated)
5. Dry Riser Fittings
6. Automatic Handline Nozzles (Constant Flow, Select O Flow and Mid Jet)

Protecto Fire design process :

1. Read the specification / enquiry provided by client
2. Question to ensure we truly understand your precise requirement
3. Making Offers / Quotations with all required technical documents.
4. Review with client to ensure that it meets the requirements perfectly, and the costing.
5. Execute the orders as per requirement

Protecto Fire Safety Industries has been involved in designing, developing and manufacturing best quality fire protection equipment.

Our wide range of products are :

Hydrant Valves

Delivery Hose Pipe and Couplings

Sprinklers & Spray Nozzles

Fire Protection Nozzles

Water & Foam Monitors

Trailer / Trolley mounted Monitors

Hose Cabinets & Hose Reels

Dry Riser fittings & Accessories

Hand Line Nozzles & Hose Binding Machine

Hydrant Stand Posts & Breeches

Medium and High Expansion Foam Generators

Remote Operator Monitor & Monitor Nozzles

Foam Makers & Mobile Foam Trolley Unit

Foam Making Branches & Inline Inductors

IS:903



**HOSE COUPLING
BRANCH PIPE
WITH NOZZLE**

IS:5290



**TYPE-A
HYDRANT VALVE
SINGLE OUTLET**

IS:5290



**TYPE-B
HYDRANT VALVE
DOUBLE OUTLET**

HYDRANT VALVES



SINGLE HEADED (SS)
IS : 5290 TYPE 'A'



SINGLE HEADED (GM)
IS : 5290 TYPE 'A'



DOUBLE HEADED (GM)
IS : 5290 TYPE 'B'

Specifications :

Size : 63mm
Material : Gun Metal / Stainless Steel / Aluminum
Inlet : 75mm NB Flanged as per IS:1538
Outlet : Standard 63mm Female Instantaneous
Approval : BIS Marked

Eliminates Theft Problem Being Low Resale Value.
No Corrosion As Highly Corrosion Resistant.
Excellent Finish Due To Investment Casting
Robust Construction For Safety
Excellent Durability & Low Maintenance
Pull Out Type/ Quick Release Lug For Easy Operation

COUPLINGS



Coupling (GM)
IS:903



Coupling (SS)
IS:903



Coupling (Alu.)
IS:903

Specifications :

Size : 63mm
Material : Gun Metal / Stainless Steel / Aluminum
Approval : BIS Marked
Hydro Test Pressure : 21 kgf/cm²

HOSE PIPES



HOSE PIPE AS PER
IS:636 TYPE-1



HOSE PIPE AS PER
IS:636 TYPE-2



HOSE PIPE AS PER
IS:636 TYPE-3



CP HOSE PIPE AS
PER IS:8423

Specifications :

Size	: 63mm
Length	: 30 mtrs / 15 mtrs / 7.5 mtrs length
RRL IS 636 Type-1	: Premium Quality Reinforced Rubber Line Fire Hose, Circular Woven Jacket made from 100% Synthetic Yarn , Heat and Abrasion Resistance
RRL IS 636 Type-3	: Internally Rubber lining combined with closely woven Polyester Fiber, Wrap made of multiply high tenacity fibers, Good Chemical resistance and protection against ageing, Smooth inner lining surface and very low friction loss
Controlled Percolated IS: 8423	: Controlled Percolating hoses made from synthetic yarn for more strength.

SPRAY NOZZLES



MEDIUM VELOCITY
SPRAY NOZZLE



HIGH VELOCITY
SPRAY NOZZLE



SPRINKLER
QUARTZ BULB DETECTOR

Specifications :

Material	: Brass
Inlet	: 1/2" BSPT
Flow	: As per requirement
K-Factor	: As per requirement
Angle	: As per requirement
Finish	: Natural Finish / Nickel Plated

NOZZLES



SHORT BRANCH PIPE WITH NOZZLE
(GM, SS & ALU.)



TRIPPLE PURPOSE
NOZZLE



FOG
NOZZLE



HAND CONTROLLED
NOZZLE
(LONDON PATTERN)



JUMBO CURTAIN
NOZZLE



WATER CURTAIN
NOZZLE



MALE DIFFUSER
NOZZLE



REVOLVING
NOZZLE



PINCHERING NOZZLE

Specifications :

Size : Generally 63mm Male Instantaneous
Material : Gun Metal / Stainless Steel / Aluminum
Working Pressure : 7 kgf/cm²



SHUT OFF NOZZLE

WATER / FOAM MONITORS



**WATER MONITOR
WITH JET NOZZLE**



**WATER / FOAM MONITOR
WITH FOAM BARREL**



**WATER / FOAM MONITOR
WITH AQUA FOAM NOZZLE**

Specifications :

Body : Carbon Steel Water Ways
Swivel Joint : Gun Metal / Stainless Steel
Inlet : Flanged to IS:1538 / ANSI B 16.5 150 LBS
Outlet : Male BSP Threaded / Nozzle made of Alu. Alloy / Gunmetal
Test Pressure : 23 kgf/cm²

Model	Operating Pressure Range kg/cm ²	Inlet Flange NB	Barrel Size / Nozzle Bore Dia NB	Performance	
				Flow lpm	Range Mtrs.
PFS 63	6-12	75 / 100	63 / 32	1750	55
PFS 75	6-12	100	75 / 38	2580	60
PFS 100	7-12	100	100 / 45	3750	64

* when used with matching jet nozzles at 7 kg/cm² pressure at nozzle, at an approximate angle 30 degrees, in still wind conditions



PORTABLE GROUND MONITOR



TROLLEY MOUNTED MONITOR

Specifications :

Chassis : M.S.
Deck : Non - Slip Aluminum Chequered Plate
Wheels : (Pneumatic / Solid) as per requirement
Stabilizing Jacks : M.S.
Nozzle : as per requirement
Inlet : 63mm Male Instantaneous with inbuilt NRV

HOSE CABINET



**M.S. FIRE HOSE CABINET
SINGLE / DOUBLE**



**FRP FIRE HOSE CABINET
SINGLE / DOUBLE**



Specifications :

- Application** : Hose Boxes fabricated from M.S./ S.S./ FRP for storage of Fire Hoses and nozzles.
Single and Double Hose Boxes available.
- Material of construction** : M.S. Sheet 16 to 18 SWG / SS 304 sheet 18 SWG/ FRP
- Brief Description** : Single Hose Box: for accommodating 1 No. 15 Mtr Hose and one nozzle.
Approximate size: 450mm x 600mm x 250mm (for IS; 636, Type B hoses, the recommended size is 600mm x 600mm x 250 mm)
Double Hose Box: for accommodating 2 Nos. 15 Mtr Hoses and one nozzle.
Approximate size: 750mm x 600mm x 250mm (for IS; 636, Type B hoses, the recommended size is 900mm x 600mm x 250 mm)

HOSE REELS



**SWINGING TYPE HOSE REEL
WALL / PIPE MOUNTING
AS PER IS : 884**



**HORIZONTAL TYPE HOSE REEL
WALL / PIPE MOUNTING**

Specifications :

- Inlet** : 1" Threaded Inlet Connection / 1" Hose Connection
- Outlet** : 3/4" / 1" outlet connection for Hose to accommodate
30 mtrs. / 36 mtrs. / 40 mtrs. / 50 Mtr. Hoses
- Hose** : Thermoplastic Hose as per IS:12585 Type-2
- Test Pressure** : 10 kgf/cm²



DRY RISER FITTINGS



**SINGLE INLET
FLANGE TO NRV**



**2 WAY
FIRE BRIGADE INLET**



**3 WAY
FIRE BRIGADE INLET**



**4 WAY
FIRE BRIGADE INLET**

Specifications :

Body	: Cast Iron
NRV	: Gun Metal / Stainless Steel
Inlet	: Flanged 3" / 4" / 6" NB
Working Pressure	: 10 kgf/cm ²

ACCESSORIES



SUCTION WRENCH



**DOUBLE MALE
ADAPTOR**



**DOUBLE FEMALE
ADAPTOR**



**BALL VALVE WITH
HOSE COLLAR**



AIR RELEASE VALVE



NON RETURN VALVE

Specifications :

Material	: Gun Metal / Brass
NRV	: Gun Metal / Stainless Steel / Aluminum
Inlet	: As per requirement
Working Pressure	: 7 kgf/cm ²

HANDLINE NOZZLES



**CONSTANT FLOW NOZZLE
(UNILITE)**



**SELECT O FLOW NOZZLE
(150 TO 600 LPM)**



**MID JET NOZZLE
(SOLID JET WITH SPRAY)**



**SELECT O FLOW NOZZLE
(350 TO 950 LPM)**

SPECIALITY NOZZLES :-

- Light Weight / Easy Handling
- Long Range Jet and Fog Pattern
- Option of Fixed / Spinning Teeth
- Select Flow Facility
- Very Low Maintenance
- Sturdy Nozzle
- Low and Medium Expansion Foam Attachment Available
- Made of Alu. Alloy Hard Anodised

MISC ITEMS



FIRE EXTINGUISHER CABINET

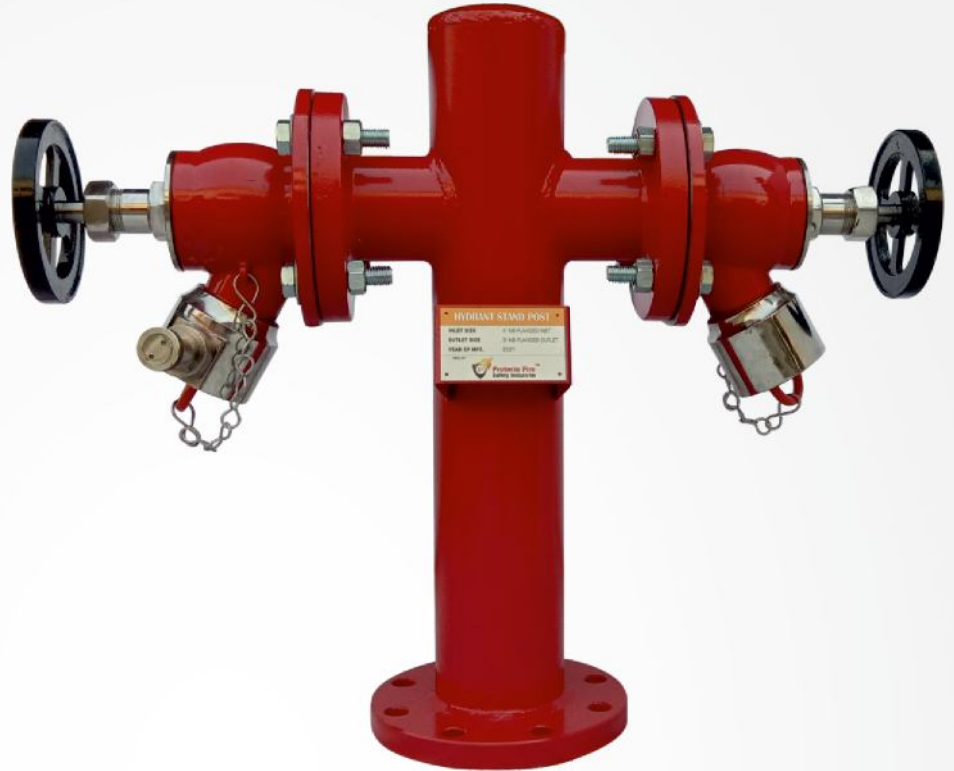


MANUAL HOSE BINDING MACHINE

Specifications :

- Material : M.S. and G.I. graded material as per IS:3744
- Accessories : Male / Female adaptors for binding of deferent sizes, available on request

STAND POST HYDRANTS



Specifications :

Material : M.S. Heavy Grade
Flange : M.S. IS:2062 /ASA 105
Inlet : 4" NB Flanged (As per ANSI B 16.5 150 LBS)
Outlet : 3" NB Flanged (As per ANSI B 16.5 150 LBS)
Test Pressure : 23 kgf/cm²

DOUBLE HEADED STAND POST

BREECHES



COLLECTING BREECH

DIVIDING BREECH

**CONTROLLED DIVIDING
BREECH**

Specifications :

Material : Gun Metal
Size : 63mm
Test Pressure : 21 kgf/cm²

MEDIUM EXPANSION FOAM GENERATORS



**MEDIUM EXPANSION FOAM BRANCH
(PORTABLE TYPE)**

Technical / Performance Data

Data / Model	MEFG 225	MEFG 450
Nominal Flow (lpm)*	225	450
Range (Mtrs.)*	06	08
Expansion**	1:40	1:40
* - at 4 kg/cm ² pressure at branch inlet ** - using standard AFFF compound		



**MEDIUM EXPANSION FOAM GENERATOR
WITH MATCHING INLINE INDUCTOR
(FIXED TYPE)**

Technical / Performance Data

Data / Model	MEFG 600	MEFG 1100	MEFG 1600
Nominal Flow (lpm)*	600	1100	1600
Range (Mtrs.)*	20	40	60
Expansion**	1:40	1:40	1:40
* - at 3.5 kg/cm ² pressure at branch inlet ** - using standard AFFF compound			

HIGH EXPANSION FOAM GENERATOR

- Material : a) Shell : SS 304
 : b) Pipe Assly : SS 304
 : c) Pelton Wheel : SS 304
 : d) Fan Assly : SS 304 / Aluminum
 : e) Spray Nozzles : Gun Metal
 : f) P. Wheel Nozzles : Gun Metal / Brass
 Inlet : Standard 63mm Instantaneous Male (GM / SS 304)
 Finish : Natural Finish

Technical Performance Data

Data / Model		HI EX
Output (M3/min)	at 3.5 bars*	48
Expansion		1:270
Output (M3/min)	at 5.5 bars*	68
Expansion		1:310
*pressure at Generator inlet		



**HIGH EXPANSION FOAM GENERATOR
PORTABLE TYPE**

REMOTE MONITOR



PROTECTOFIRE Remote Operated Water cum Foam Monitor made of Stainless Steel material having 3"Nb/4"NB flanged inlet with Gunmetal Gear Operated Swivel Joint with Aluminium Aqua Foam Nozzle having flow capacity 1200 to 3500 lpm at 7 kg/cm² fitted with DC motor for horizontal rotation and vertical rotation and Nozzle movement also through Remote Panel jet and fog pattern.

Remote Control System:

Power supply : 12V / 24V

Motors : Battery Operated DC Motors

Proximity/ Limit switches : 12V / 24V DC

Control Panel with Joy Stick for Horizontal & Vertical movement of Monitor and Jet/ Spray of nozzle)

Monitor:

Body : Stainless Steel

Swivel Joints : Gun Metal

Gear Shaft : Stainless Steel

Finish : Fire Red Painted (2 Coats)

Inlet : Flanged to IS:1538 / ANSI B 16.5 150 LBS

Maneuverability: 330 degrees in horizontal plane.
+ 90 degrees, - 15 degrees in vertical plane.

MONITOR NOZZLES



JET NOZZLE



**JET / SPRAY TYPE NOZZLE
SUPER STREAM NOZZLE**



VARIABLE FLOW NOZZLE



AQUA FOAM NOZZLE

Specifications :

Size : Suitable for 63 mm, 75mm, 100mm size Monitors

Material : Gun Metal / Aluminum (Hard Anodized)

Inlet : Threaded BSP

Flow : Designed for optimum flow and range of each size



FOAM BARREL

FOAM MAKERS



Specifications :

Applicable for Floating Roof / Fixed Roof Tank
Available in different flow range
Suitable for all types of Foam Concentrate
3 to 4 % Foam Expansion
Flange Connection as per ANSI B 16.5 150 LBS
Vapour Seal Rapture Pressure 0.7 to 1.5 kgf/cm²
Material : Mild Steel

Technical / Performance Data

Inlet Connection	Outlet Connection	Flow at 3.5 kgf/cm ² Lpm
50 NB	80 NB	75 – 225
65 NB	100 NB	225 – 450
80 NB	150 NB	450 – 900
100 NB	200 NB	900 – 1800
150 NB	250 NB	1800 – 2700



**FOAM CHAMBER WITH
VAPOUR SEAL
(For Fixed Roof Tank)**

**FOAM CHAMBER WITHOUT
VAPOUR SEAL
(For Floating Roof Tank)**

MOBILE FOAM TROLLEY UNIT



FRP



Specifications :

Tank : SS / FRP Corrosion resistant
Chassis Frame : M.S. / SS 304
Handle : M.S. / SS 304
Hose Basket : M.S. / SS 304
Tyres : Solid Polymer Tyres
Inline Inductor : Aluminium Alloy
Foam Making Branch : Aluminium (FB 5 or Fb10)

**MOBILE FOAM TROLLEY UNIT
MADE OF STAINLESS STEEL**

FOAM MAKING BRANCHES



FOAM BRANCH
FB-5X

FOAM BRANCH FB-10X
FOAM BRANCH FB-20

Technical / Performance Data

Model	FB 5X	FB 10X	FB 20X
Nominal Flow (lpm)*	225	450	900
Range (Mtrs.)*	12	18	22
Expansion**	1:8	1:8	1:10
Material	Alu.	Alu.	Alu.

* - at 7 kg/cm² pressure at branch inlet
** - using standard AFFF compound

Material	:	a)Tube	:	Aluminum
	:	b)Body	:	Aluminum
	:	c)Nozzle	:	Aluminium
	:	d)Improver	:	Aluminum
Inlet / Outlet	:	63mm Instantaneous		
	:	Male / Female (Aluminum)		
Finish	:	Single Red / Yellow Paint		

INLINE INDUCTORS



PORTABLE INLINE INDUCTOR



FIXED TYPE INLINE INDUCTOR
(Size : 100 NB to 150 NB) Flow Range 900 to 2500 LPM

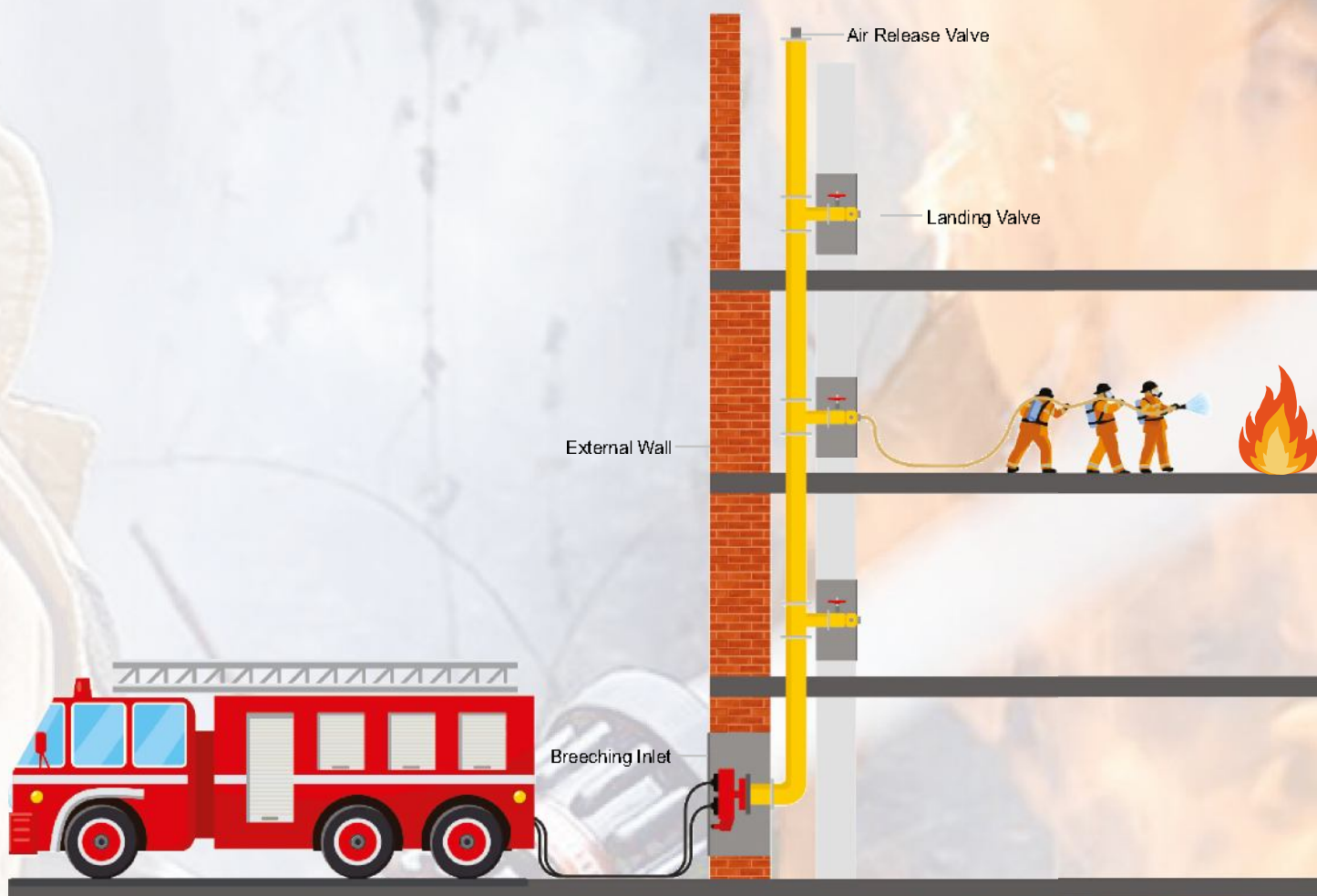
Technical / Performance Data

Data / Model	IN 225	IN 450	IN 600
Nominal Flow (lpm)*	225	450	600
Recommended operating pressure (bars)	5-10	5-10	5-10

*- at 7 kg/cm² pressure at inductor inlet



FLANGED INLET & OUTLET
Flow Range 450 to 900 LPM



**Protecto Fire
Safety Industries**

Mfg. of Fire Protection Equipment

TM



+91 99988 82115, 9998888659



info@protectofire.com
www.protectofire.com



22/A, Abhishilp Industrial Park, B/h. Gujarat Vepari Maha Mandal,
S.P. Ring Road, Odhav, Ahmedabad - 382415