

8 Trolley Mounted Monitor



- 2 ½" male instantaneous inlets with NRV
- Carbon steel waterways
- Support legs for better stability during operation
- Solid rubber two / four wheels
- Gunmetal jet nozzles or jet-spray nozzle

Product Code No.	Description	Nozzle Flow at 100 PSI (7kg/cm ²)		Nozzle Option
		GPM	LPM	
M-TMM-01	With 2 ½" waterways	500	1900	Jet nozzle
M-TMM-02	With 3" waterways	625	2365	
M-TMM-03	With 3" waterways	750	2800	Jet-spray nozzle
M-TMM-04	With 4" waterways	1000	3750	

9 Trailer Mounted Monitor with Foam Tank



- Available in different tank capacity
- Inlet size 2 ½" male instantaneous with NRV
- Available in different capacities of monitors 500, 625, 750, 1000 GPM
- Trailer with robust construction suitable to tow with jeep
- Hand brake & overrun brakes
- S.S tank or carbon steel FRP / Thermoplastic poxy lined tank

Product Code No.	Description	Monitor Flow at 100 PSI (7kg/cm ²)	
		GPM	LPM
M-TMFT-01	Trailer with 500 litre foam tank	500	1900
M-TMFT-02	Trailer with 750 litre foam tank	625	2365
M-TMFT-03	Trailer with 1000 litre foam tank	750	2800
		1000	3750



10 Monitor Nozzles

I Water Nozzles

a) Jet Nozzle



- Available in different flow capacities
- Flanged or threaded inlet
- Available in Gunmetal or Aluminium alloy or Stainless steel
- Max. working pressure 150 PSI /10.5 kg/cm²

Product Code No.	Inlet Connection	Flow at 100 PSI (7kg/cm ²)		Material of Construction	
		GPM	LPM		
M-MN-JN-01	With 2 1/2" BSP(F) threads inlet	475	1800	Gunmetal	
M-MN-JN-02	With 2 1/2" NH(F) threads inlet	475	1800		
M-MN-JN-03	With 2 1/2" BSP(F) threads inlet	500	1900		
M-MN-JN-04	With 2 1/2" NH(F) threads inlet	500	1900		
M-MN-JN-05	With 2 1/2" BSP(F) threads inlet	625	2365		
M-MN-JN-06	With 2 1/2" NH(F) threads inlet	625	2365		
M-MN-JN-07	With 2 1/2" BSP(F) threads inlet	750	2850		
M-MN-JN-08	With 2 1/2" NH(F) threads inlet	750	2850		
M-MN-JN-09	With 3 1/2" BSP(F) threads inlet	1000	3750		Aluminium
M-MN-JN-10	With 3 1/2" NH(F) threads inlet	1000	3750		
M-MN-JN-11	With 3 1/2" BSP(F) threads inlet	1250	4700		
M-MN-JN-12	With 3 1/2" NH(F) threads inlet	1250	4700		
M-MN-JN-13	With flanged inlet	1250	4700		
M-MN-JN-14	With flanged inlet	2000	7570		
M-MN-JN-15	With flanged inlet	4000	15140		

b) Water Jet-Spray Nozzle



- Available in different flow capacities
- Flanged or threaded inlet
- Spray angle up to 160°
- Available in Gunmetal or Aluminium alloy
- Max. working pressure 150 PSI /10.5 kg/cm²

Product Code No.	Inlet Connection	Flow at 100 PSI (7kg/cm ²)		Material of Construction	
		GPM	LPM		
M-MN-JSN-01	With 2 1/2" BSP(F) threads inlet	475	1800	Gunmetal	
M-MN-JSN-02	With 2 1/2" NH(F) threads inlet	475	1800		
M-MN-JSN-03	With 2 1/2" BSP(F) threads inlet	500	1900		
M-MN-JSN-04	With 2 1/2" NH(F) threads inlet	500	1900		
M-MN-JSN-05	With 2 1/2" BSP(F) threads inlet	625	2365		
M-MN-JSN-06	With 2 1/2" NH(F) threads inlet	625	2365		
M-MN-JSN-07	With 2 1/2" BSP(F) threads inlet	750	2850		
M-MN-JSN-08	With 2 1/2" NH(F) threads inlet	750	2850		
M-MN-JSN-09	With 3 1/2" BSP(F) threads inlet	1000	3750		Aluminium
M-MN-JSN-10	With 3 1/2" NH(F) threads inlet	1000	3750		
M-MN-JSN-11	With 3 1/2" BSP(F) threads inlet	1250	4700		
M-MN-JSN-12	With 3 1/2" NH(F) threads inlet	1250	4700		
M-MN-JSN-13	With flanged inlet	2000	7570		
M-MN-JSN-14	With flanged inlet	4000	15140		

II Foam Nozzles

a) Aqua Foam Nozzle



- Available in different flow capacities
- Self Inducting, non aspirating type
- Spray angle upto 160°
- Induction 3 or 6% preset
- Foam expansion 4 to 6 times
- Max. working pressure 150 PSI/10.5 kg/cm²

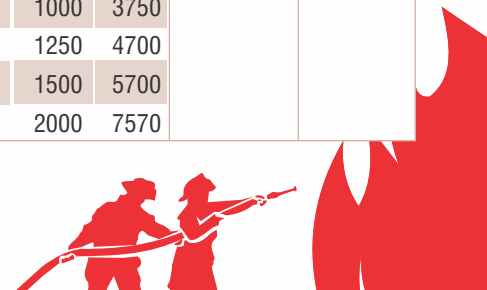
Product Code No.	Inlet Connection	Flow at 100 PSI (7kg/cm ²)		Material of Construction
		GPM	LPM	
M-MN-AFN-01	With 2 1/2" BSP(F) threads inlet	475	1800	Gunmetal
M-MN-AFN-02	With 2 1/2" NH(F) threads inlet	475	1800	
M-MN-JSN-03	With 2 1/2" BSP(F) threads inlet	500	1900	
M-MN-AFN-04	With 2 1/2" NH(F) threads inlet	500	1900	
M-MN-AFN-05	With 2 1/2" BSP(F) threads inlet	625	2365	
M-MN-AFN-06	With 2 1/2" NH(F) threads inlet	625	2365	
M-MN-AFN-07	With 2 1/2" BSP(F) threads inlet	750	2850	Aluminium
M-MN-AFN-08	With 2 1/2" NH(F) threads inlet	750	2850	
M-MN-AFN-09	With 3 1/2" BSP(F) threads inlet	1000	3750	S.S.
M-MN-AFN-10	With 3 1/2" NH(F) threads inlet	1000	3750	
M-MN-AFN-11	With 3 1/2" BSP(F) threads inlet	1250	4700	
M-MN-AFN-12	With 3 1/2" NH(F) threads inlet	1250	4700	
M-MN-AFN-13	With flanged inlet	2000	7570	
M-MN-AFN-14	With flanged inlet	4000	15140	

b) Aspirating Nozzle



- Available with foam inductor or without foam inductor
- Threaded flanged inlet
- Available in Copper alloy or Aluminium alloy or Stainless steel
- Induction 3 or 6 %
- Foam expansion 6 to 10 times
- Max. operating pressure 150 PSI /10.5 kg/cm²

Product Code No.	Inlet Connection	Flow at 100 PSI (7kg/cm ²)		Material of Construction	Options
		GPM	LPM		
M-MN-AN-01	With 2 1/2" BSP(F) threads inlet	350	1325	Gunmetal	Jet Jet-Spray
M-MN-AN-02	With 2 1/2" NH(F) threads inlet	350	1325		
M-MN-AN-03	With 2 1/2" BSP(F) threads inlet	475	1800		
M-MN-AN-04	With 2 1/2" NH(F) threads inlet	475	1800		
M-MN-AN-05	With 2 1/2" BSP(F) threads inlet	500	1900	Aluminium	
M-MN-AN-06	With 2 1/2" NH(F) threads inlet	500	1900		
M-MN-AN-07	With 2 1/2" BSP(F) threads inlet	1000	3750	S.S.	
M-MN-AN-08	With 2 1/2" NH(F) threads inlet	1000	3750		
M-MN-AN-09	With flanged inlet	1250	4700		
M-MN-AN-10	With flanged inlet	1500	5700		
M-MN-AN-11	With flanged inlet	2000	7570		



Foam Equipments

1

Low Expansion Foam Branch Pipe

I Model A



- IS 2097
- Inlet Connection : 2 1/2" instantaneous as per BS 336 / IS 903
- Material : Aluminum alloy or Stainless steel
- Working Pressure : 145 PSI max / 10 kg/cm²
- Foam Expansion : 8 to 10 times
- Foam Induction : Available with foam inductor or without foam Inductor

Product Code No.	Inlet Connection	Flow at 100 PSI (7kg/cm ²)		Throw Range in Meters	Material of construction
		GPM	LPM		
FE-FB-2	Without in-built foam inductor	60	225	15	Aluminium alloy
FE-FB-2X	With in-built foam inductor	60	225	15	
FE-FB-10	Without in-built foam inductor	120	450	18	
FE-FB-10X	With in-built foam inductor	120	450	18	S.S
FE-FB-20	Without in-built foam inductor	240	900	20	
FE-FB-20X	With in-built foam inductor	240	900	20	

II Model B



- IS 2097
- Inlet Connection : 2 1/2" instantaneous as per BS 336 / IS 903
- Material : Aluminum alloy
- Working Pressure : 145 PSI max /10 kg/cm²
- Foam Expansion : 8 to 10 times
- Foam Induction : Available with in-built foam inductor

Product Code No.	Description	Flow at 100 PSI (7kg/cm ²)		Throw Range in Meters
		GPM	LPM	
FE-FB-5X 01	Aluminium alloy construction	60	225	15
FE-FB-5X 02	Brass construction	60	225	15

2

Medium Expansion Foam Branch Pipe



- Inlet Connection : 2 1/2" instantaneous as per BS 336 / IS 903
- Material : Stainless steel
- Working Pressure: 10 bar max.
- Foam Expansion : 50 times

Product Code No.	Description	Flow at 100 PSI (7kg/cm ²)		Throw Range in Meters
		GPM	LPM	
FE-MEP-MX5	Without in-built foam inductor	60	225	6 to 8
FE-MEP-MX10	Without in-built foam inductor	120	450	9 to 11

3 Foam Generator

I Mini Turbex



It is a high expansion foam generator. The unit consists of stainless steel casing; a pelton wheel turbine drives the fan and four jet nozzles discharge water foam solution in front of high velocity air. Foam making net is used for making foam. An inline inductor is used for inducing foam.

- Compact, light weight
- Portable, can be carried by single person
- Corrosion proof construction
- Can be used as a smoke extractor
- Foam Induction 3% preset
- Suitable for all types of foam concentrate
- Supplied with suitable foam inductor
- Nylon net, foam ducting and smoke ducting - standard accessories

Product Code No.	Inlet Connection (NB)	Flow at 100 PSI (7kg/cm ²)		Foam Produced	Smoke Extracted
		GPM	LPM		
FE-FG-MINI	2 1/2" male Instantaneous as per BS 336	65	250	2825 Ft ³ / min	3460 Ft ³ /min

II HI-EX



It is a high expansion foam generator. It consists of a fan driven directly by the shaft of the water turbine, which blows air to the nylon net. The net is wetted by foam water solution from the spray nozzle. The foam concentrate is drawn into the water stream by means of a built-in induction system.

- By-pass valve to control foam production
- Can be used as a smoke extractor
- Lightweight
- Portable
- FRP corrosion proof body
- Low maintenance
- 2 1/2" male instantaneous connection
- Inbuilt foam inductor
- Nylon net, foam ducting and smoke ducting standard accessories

Product Code No.	Operating Condition	Inlet Pressure bar/PSI	Total water Flow GPM/LPM	By-Pass Flow GPM/LPM	Expanded Foam (M ³ /min)	Expansion
FE-FG-MKII	By-pass valve closed	7/100	61 / 230	38 / 145	145	800 to 1100
	By-pass valve open	7/100	58 / 220	Nil	132	500 to 750



Foam Equipments

III Inline Foam Generator



- Inline foam generator is modified version of Inline inductor. It inducts foam as well as expands it and also transports the foam a long distance
- Inlet connection : 2 1/2" male Instantaneous as per BS 336 / IS 903
- Outlet connection : 2 1/2" female Instantaneous as per BS 336 / IS 903
- Foam induction : 3 or 6%
- Max. working pressure : 145 PSI

Product Code No.	Flow at 100 PSI (7kg/cm ²)		Material Of Construction
	GPM	LPM	
FE-FG-IFG-01	60	225	Aluminium alloy
FE-FG-IFG-02	120	450	Gunmetal M.S

4 Mobile Foam Unit

I With FRP Tank



- Made with corrosion resistant FRP tank
- Light weight, aerodynamically shaped
- Unit equipped with foam inductor, low expansion branch pipe, fire hoses
- Suitable for all type of foam concentrates
- Low maintenance

Product Code No.	Tank Capacity
FE-MFU-FRP-01	100 liters
FE-MFU-FRP-02	150 liters
FE-MFU-FRP-03	200 liters

II With Steel Tank



- Stainless steel foam tank
- Slim line, compact design
- Low center of gravity, makes steering easier
- Unit equipped with foam inductor, low expansion branch pipe, fire hoses
- Suitable for all type of foam concentrates
- Low maintenance

Product Code No.	Tank Capacity
FE-MFU-STL-01	100 liters
FE-MFU-STL-02	150 liters
FE-MFU-STL-03	200 liters

5 Foam Maker With Vapour Seal



- Applicable for fixed roof tank
- Available in wide flow range
- Treated with anti corrosive treatment
- Suitable for all types of foam concentrate
- 3 to 4 % foam expansion
- Flange connections as per ANSI

Product Code No.	Inlet Connection (NB)	Outlet Connection (NB)	Flow at 50 PSI (3.5kg/cm ²)		Material of construction
			GPM	LPM	
FE-FM-WV-01	2"	3"	20 to 60	75 to 225	Mild steel
FE-FM-WV-02	2 ½"	4"	60 to 120	225 to 450	
FE-FM-WV-03	3"	6"	120 to 240	450 to 900	
FE-FM-WV-04	4"	8"	240 to 475	900 to 1800	
FE-FM-WV-05	6"	10"	475 to 715	1800 to 2700	

6 Foam Maker Without Vapour Seal



- Applicable for floating roof tank
- Available in wide flow range
- Treated with anti corrosive treatment
- Suitable for all types of foam concentrate
- 3 to 4 % foam expansion
- Flange connections as per ANSI

Product Code No.	Inlet Connection (NB)	Outlet Connection (NB)	Flow at 50 PSI (3.5kg/cm ²)		Material of construction
			GPM	LPM	
FE-FM-WOV-01	2"	3"	20 to 60	75 to 225	Mild steel
FE-FM-WOV-02	2 ½"	4"	60 to 120	225 to 450	
FE-FM-WOV-03	3"	6"	120 to 240	450 to 900	
FE-FM-WOV-04	4"	8"	240 to 475	900 to 1800	
FE-FM-WOV-05	6"	10"	475 to 715	1800 to 2700	



Foam Equipments

7 Inline Inductor

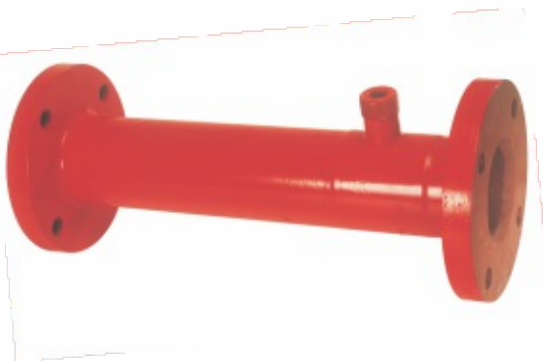
I Variable Inline Inductor



- 2½" Instantaneous inlet and outlet connections
- Foam induction rates can be adjusted from 0% to 6%
- Body material : Aluminium
- Inbuilt non return valve to foam inlet
- Foam concentrate drawn through a pick up tube
- Light weight, portable

Product Code No.	Flow at 100 PSI (7kg/cm ²)	
	GPM	LPM
FE-ID-V-01	60	225
FE-ID-V-02	120	450

II Fixed Inline Inductor



- For fixed installation systems
- With 3 or 6% foam induction
- Available in wide range of flow
- Carbon steel construction treated with anti corrosive coatings
- Flanged inlet & outlet connection as per ANSI

Product Code No.	Inlet & outlet Flanges NB	Flow at 100 PSI (7kg/cm ²)		End Connection
		GPM	LPM	
FE-ID-F-01	2"	20 to 60	75 to 225	Instantaneous as per BS 336/IS 903, flanged as per ANSI
FE-ID-F-02	2.5"	60 to 120	225 to 450	
FE-ID-F-03	3"	120 to 240	450 to 900	Flanged as per ANSI
FE-ID-F-04	4"	240 to 480	900 to 1800	
FE-ID-F-05	6"	480 to 715	1800 to 2700	

8 Foam Used in Fire Protection

I Protein Foam Compound



- DIFR Tested & TAC Approved
- Synthetic polyvalent foam forming liquid, pseudo-plastic consisting of surface active substances and polymer additives
- Having good resistance to contamination of hydrocarbons and to dehydration of polar solvents
- It is to be used in 3% concentration on hydrocarbons and at 6% concentration on polar solvents

Product Code No.	Description	Packing Available	Certificates
FE-F-AL-01	As above	20 Ltrs Steel drums 20 Ltrs Polyethylene jerry cans 30 Ltrs Polyethylene jerry cans 200 Ltrs Steel barrels	UL / IS

II Fluoro-protein Foam Compound



Product Code No.	Description	Packing Available
FE-F-FF-01	As above	20 Ltrs Polyethylene jerry cans 30 Ltrs Polyethylene jerry cans 200 Ltrs Steel barrels

III High Expansion Foam Compound



Product Code No.	Description	Packing Available
FE-F-HEF-01	As above	20 Ltrs Polyethylene jerry cans 30 Ltrs Polyethylene jerry cans 200 Ltrs Steel barrels

IV Aqueous Film Forming Foam (AFFF)



Product Code No.	Description	Packing Available
FE-F-HEF-01	Non UL Listed	20 Ltrs Polyethylene jerry cans 30 Ltrs Polyethylene jerry cans 200 Ltrs Steel barrels
FE-F-AFFF-02	UL listed	20 Ltrs Polyethylene jerry cans 30 Ltrs Polyethylene jerry cans 200 Ltrs Steel barrels



Foam Equipments

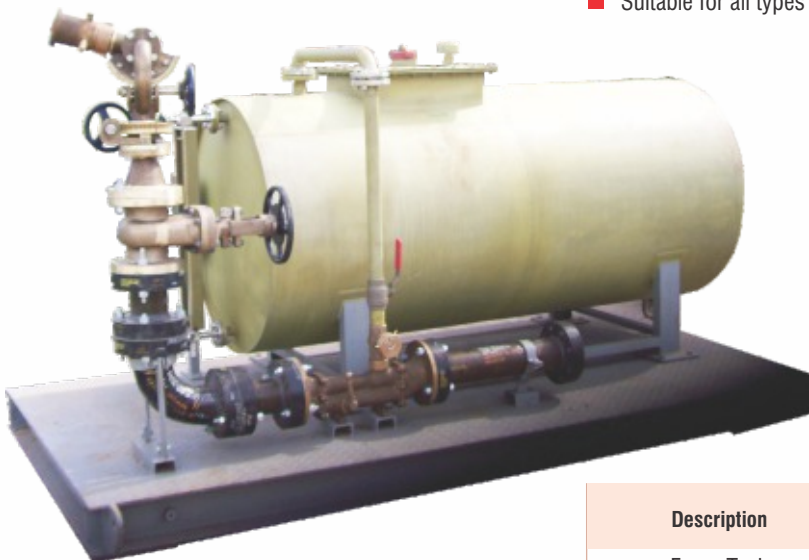
9 Foam Bladder Tank



- Complete with bladder tank, controlling system, foam proportionating system control valves
- Designed & constructed in accordance with ASTM Codes
- Available in vertical & horizontal mounting type
- Available from 95 liters to 5600 liters in vertical mounting
- All tanks include : Trim valve, bladder & bladder vent valve
- 0 to 6% Induction
- Suitable for all types of foam

10 Skid Mounted Monitor with Foam Tank

- Complete with steel foam tank, educator and monitor
- Design code - ASME SEC VIII DIV I
- Foam tank
- Induction 0 to 6% selectable
- Suitable for all types of foam



Description	Material of construction	Capacity
Foam Tank	SS 304 / SS 316	Upto 3000 liters
Monitor, jet spray nozzle, inductor	Bronze	Upto 500 GPM / 1900 LPM @ 100 PSI / 7kg/cm ²
Skid	M.S.	

100 Ltr AFFF Foam Fire Extinguisher



Working Temperature	0 ⁰ C to 60 ⁰ C
Test Pressure	35 bar
Working Pressure	15 bar
Filling Quantity	100 lit
Pressure Agent	Nitrogen
Filling Agent	3% AFFF
Discharge time	120 Sec
Hose Length	90"
Nozzle type	Alum
Discharge range	15 met
Cylinder Material	Mild steel with inside protective coating
Operating head	Squeeze Lever
Standard manufactured to	BS 5423 / BSEN
Warranty	12 month

100 Ltr Water Fire Extinguisher



Working Temperature	0 ⁰ 60 ⁰ C
Test Pressure	35 bar
Working Pressure	15 bar
Filling Quantity	100 lit
Pressure Agent	Nitrogen
Filling Agent	Water
Discharge time	Approx. 90 sec
Hose Length	90"
Nozzle type	Alum
Discharge range	15 met
Cylinder Material	Mild steel with inside protective coating
Operating head	Lever type hose and nozzle fitted on it.
Standard manufactured to	BS 5423 BSEN
Warranty	12 month

9 Ltr AFFF Foam Fire Extinguisher



Working Temperature	0 ⁰ C to +60 ⁰ C
Test Pressure	27 bar
Working Pressure	18 bar
Filling Quantity	9 lit
Pressure Agent	Nitrogen
Filling Agent	3% AFFF
Discharge time	90 sec
Hose Length	16"
Nozzle type	Plastic
Discharge range	7 met
Cylinder Material	Mild steel with inside protective coating
Operating head	Squeeze lever
Standard manufactured to	BS 5423 / BS EN 3
Warranty	12 month