VIMAL
FIRE CONTROLS PVT. LTD.

SHOOTFIRE ®
TRADE MARK

UNIT NO. 19/20 Vardhaman Service Ind. Estate,
Behind Punjab & Sind Bank,
LBS Marg, Vikhroli (West), Mumbai 400 083.
TEL : +9122 2578 3335 \ 3336 \ 3337
FAX : +9122 2578 3338 \ 2655
E-MAIL : FIRE1@VIMALFIRE.COM

"SHOOTFIRE-1000" AQUA FOAM NOZZLE-1000 SELF INDUCTING Type Regular Monitor

TECHNICAL DATA SHEET

1. GENERAL DESCRIPTION

The manually operated self-inducting non-aspirating Foam Monitor made of Stainless Steel, capable to discharging 1000 US GPM (3785 LPM) at 100 psi (7 bar) inlet pressure over a range of 65 to 70 meters in horizontal direction. Foam proportioning 3 % is done with help of Foam Inductor placed within the Nozzle. The Foam Monitor has facility for converting Water / Foam jet to fog and vice-versa very quickly and easily, even during continuous operation. Foam Monitor is provided with self-locking swivel gear bearing for rotation in horizontal and vertical direction through hand wheel operation even under high operating pressures. A single fire fighter can manually operate the Foam Monitor with large flow capacity, long-range capability. The monitor assembly is designed to withstand the nozzle reaction force experienced during the operation of jet / fog.

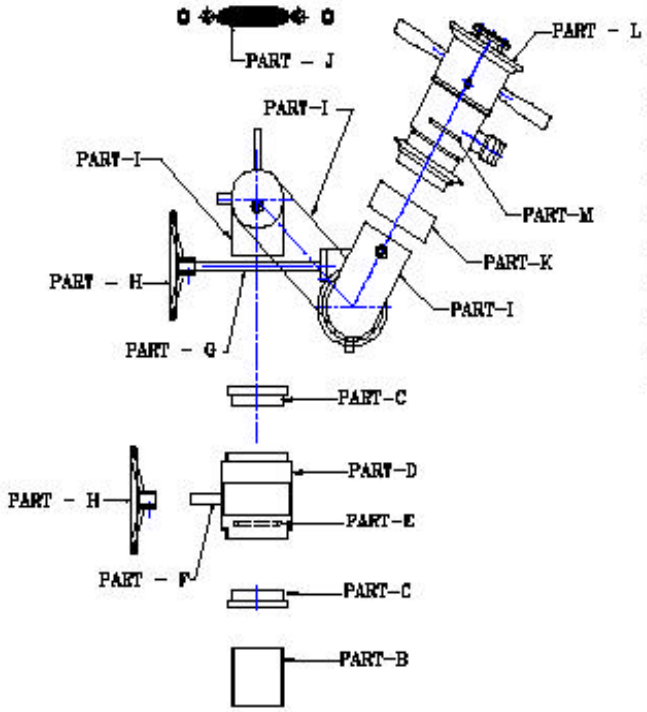
2. SALIENT FEATURES:

1. High Discharge Capacity of 1000 US GPM (3875 LPM) at 100 psi (7 bar) inlet pressure.
2. Excellent Horizontal throw of 65 to 70 meter long and above.
3. Excellent Fog Jet throw of 15 meter Fog Jet.
4. Low Expansion, so less loss of foam due to breakage and thermal updraft and more cooling effect on burning surface.
5. Quick change over from jet to fog or spray even under water pressure with single firefighter.
6. Easy maneuverability in horizontal and vertical plane.
7. Almost maintenance free.

3. APPLICATION

The Monitor is highly effective with water and foam for fast knockdown of Fire at Oil & Gas Plants, Off-Shore & On Shore Platforms, Oil Refineries, Petroleum Storage Tanks & Depots, Chemical & Fertilizer Plants, Steel Plants, Power Plants, Air Port Run-Ways, Ammunition Depots, Defence Stores, Naval Ships And Submarine, Ships & Oil tankers, Fire Fighting Vessels / Tugs, Ports & Jetties Etc.

4. EXPLODED VIEW



PART NO	DESCRIPTION	QTY.	MATL.
A	4" NB 150 # S.O.R.F. FLANGE	1 NO	SS 316
B	4" NB SEAMLESS SCH. 40	2 NOS	SS 316
C	NECKRING	4 NOS	SS 316
D	4" WORM BEARING	2 SETS	SS 316/BRONZE
E	'O' RING	2 NOS	RUBBER
F&G	SHAFT	2 NOS	SS 316
H	HAND WHEEL	2 NOS	SS 316
I	4" NB SEAMLESS SCH 40 1D ELBOW	4 NOS	SS 316
J	SPRING	1 NO	SS 316
K	NOZZLE MOUNTING NECKRING	1 NO	SS 316
L	1000 GPM FOAM NOZZLE JRCP TYPE	1 NO	SS 316L
M	NOZZLE 'O' RING	1 NO	RUBBER

5. MATERIALS OF CONSTRUCTION

1. Monitor body, barrel	: SS 316
2. Swivel joint	: SS 316 / Bronze
3. Discharge Nozzle (foam cum water)	: SS 316
4. Base Flange	: SS 316
6. Worm & Worm wheel	: SS 316
7. Foam control valve	: SS 316
8. Pick up pipe connection	: SS 316
9. Pick up tube	: PVC

6. TECHNICAL DETAILS:

1. Flow at 100 psi (7 bar) pressure	: 1000 US GPM (3785 LPM)
2. Nozzle	: Non-aspirating type
3. Induction Type	: Self Inducting (Inbuilt Inductor in nozzle)
4. Induction Rate	: 3 %
5. Monitor Elevation	: $+90^0$ & - 30^0 Vertical
6. Rotation	: 360^0 Horizontal.
7. Water way size	: 100 NB
8. Pick up tube length	: 3 mtrs long PVC tube
9. Inlet Flange Size	: 100 NB ANSI
10. Hydrostatic Test Pressure	: 21 bar.
11. Finish/ Paint	: Fire red shade of Acrylic/PU/ Powder coating

7. PERFORMANCE AT 100 PSI (IN STILL AIR CONDITION):

1. Water jet at 30° from Horizontal plane	: 70 mtrs.
2. Foam jet at 30° from Horizontal plane	: 65 mtrs.
3. Fog jet at 30° from Horizontal plane	: 15 mtrs.

8 APPROVAL: UL LISTED WITH FOLLOWING FEATURES

1. Nozzle	: Non Air Aspirating Nozzle
2. Monitor Solution Flow	: 1000 GPM
3. Operating Pressure	: 100 PSI
4. Induction	: Self Inducting Type