



FIRE CONTROLS PVT. LTD.



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UL LISTED SHOOTFIRE-2000" SELF INDUCTING AQUA FOAM NOZZLE 2000 Regular Monitor

TECHNICAL DATA SHEET

1. GENERAL DESCRIPTION

The manually operated self-inducting non-aspirating Foam Monitor made of Stainless Steel, capable to discharging 2000 US GPM (7570 LPM) at 100 psi (7 bar) inlet pressure over a range of 70-75 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.

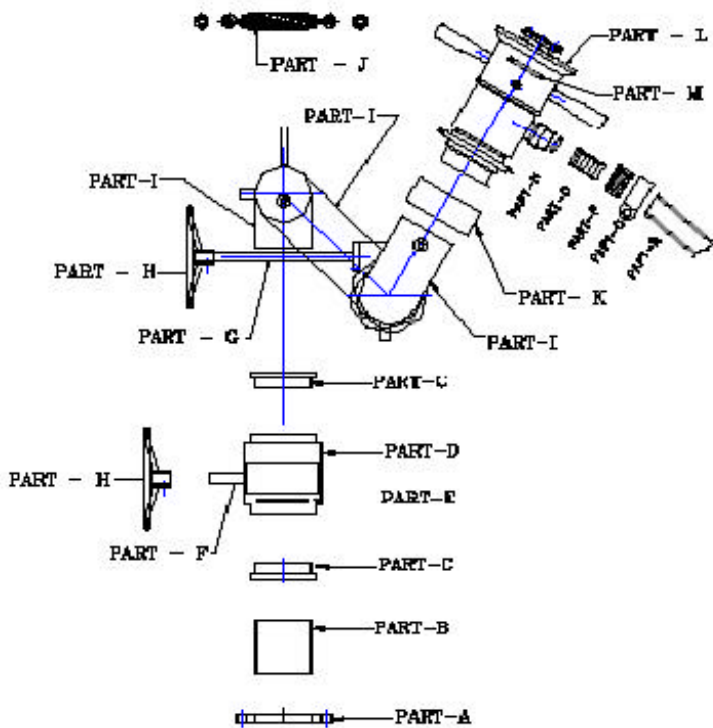
2. SALIENT FEATURES

1. High Discharge capacity of 2000 US GPM (7570 LPM) at 100 psi (7 bar) inlet pressure
2. Excellent Horizontal throw of 70-75 meter long and above
3. Excellent Fog Jet throw of 20 meter & above.
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 fire fighter
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, Defense Stores, Naval Ships And Submarine, Ships & Oil tankers, Fire Fighting Vessels / Tugs, Ports & Jetties Etc.

4. EXPLODED VIEW



PART NO	DESCRIPTION	QTY.	MATL.
A	6" NB 150 # S.O.R.F. FLANGE	1 NO	SS 316
B	6" NB SEAMLESS SCH. 40	1 NO	SS 316
C	NECKRING	4 NOS	SS 316
D	6" 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	6" NB SEAMLESS SCH 40 1D ELBOW	1 NO	SS 316
J	SPRING	2 NOS	SS 316
K	NOZZLE MOUNTING NECKRING	1 NO	SS 316
L	2000 GPM FOAM NOZZLE SELF TYPE	1 NO	SS 316
M	NOZZLE 'O' RINGS	1 NO	RUBBER
N	RUBBER WASHER	1 NO	RUBBER
O	SLEEVE	1 NO	SS 316
P	NUT	1 NO	SS 316
Q	HOSE CLIP	1 NO	SS 316
R	PVC HOSE	1 NO	PVC

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 | : 2000 US GPM (7570 LPM) |
| 2. Nozzle | : Non-aspirating type |
| 3. Induction Type | : Self Inducting (Inbuilt Inductor in nozzle) |
| 4. Induction Rate | : 3 % |
| 5. Monitor Elevation | : +90° & - 30° Vertical |
| 6. Rotation | : 360° Horizontal. |
| 7. Water way size | : 150 NB |
| 8. Pick up tube length | : 3 mtrs long PVC tube |
| 9. Inlet Flange Size | : 150 NB ANSI B 165 150#flat face. |
| 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)

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|---|------------|
| 1. Water jet at 30° from Horizontal plane | : 75 mtrs. |
| 2. Foam jet at 30° from Horizontal plane | : 70 mtrs. |
| 3. Fog jet at 30° from Horizontal plane | : 20 mtrs. |

8. APPROVAL: UL LISTED WITH FOLLOWING FEATURES

1. Nozzle
2. Monitor Solution Flow
3. Operating Pressure
4. Induction

: Non Air Aspirating Nozzle
: 2000 GPM
: 100 PSI
: Self Inducting Type.

