

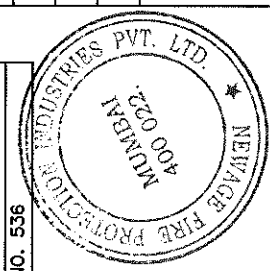
Sr	DESCRIPTION	QTY	MATERIAL SPECIFICATION
1	3" NB SOFF FLANGE	01	S.S., ASTM A182 F 304
2	3" NB PIPE	01	S.S., ASTM A312, TP 304
3	3" SWIVEL JOINT	02	S.S., ASTM A351, Gr CF8
4	3" 90° ELBOW	04	S.S., ASTM A403 WP 304
5	3" WATER WAY BARREL	01	S.S., ASTM A312, TP 304
6	3" NOZZLE ADAPTOR	01	S.S., ASTM A351, Gr CF8
7	NOZZLE	01	S.S., ASTM A351, Gr CF8
8	DRAIN VALVE	01	S.S., ASTM A351, Gr CF8/S.S. 304
9	PRESSURE GAUGE	01	0-16 KG. S.S. BODY, STD
10	HAND WHEEL	02	S.S., ASTM A351, Gr CF8
11	PICK UP TUBE	01	PVC WIRE BRAIDED (3 MTRS. LONG)
12	ISOLATION BALL VALVE	01	S.S., ASTM A351, Gr CF8/S.S. 304
13	NAME PLATE	01	S.S. 304
14	WORM SHAFT	02	ASTM A276, Gr 304
15	WORM	02	ASTM A276, Gr 304
16	PICK UP TUBE LANCE (REMOVABLE TYPE)	01	S.S., ASTM A312, TP 304

Sr. No.	PARAMETERS (SPECIFIED)	DESCRIPTION	
1	MONITOR MODEL	AFM-500 GPM	
	NOZZLE	AFN-500 GPM	
PERFORMANCE TEST @7KG/CM2 INLET PRESSURE AT AN 30-35° ANGLE IN STILL AIR CONDITION			
2	FLOW RATE	500 ±5% GPM	
3	HORIZONTAL THROW	WATER	FOAM
		50 MTR	45 MTR
4	INDUCTION RATE	3 -3.9%	
5	SPRAY ANGLE	120°	
6	EXPANSION RATION	1:3 - 1:4	
		360° EITHER SIDE	
7	ROTATION	HORIZONTAL	
		VERTICAL	+90 TO -45°
HYDROSTATIC TEST (MONITOR WITHOUT NOZZLE)			
8	OPERATING PRESSURE	MIN.	5 KG/CM2
		MAX.	12.3 KG/CM2
DIMENSIONAL			
9	MONITOR INLET - FLANGE SIZE	3" NB-ANSI B 16.5, 150# SOFF	
10	MONITOR OUTLET SIZE	4" BSP (F) Thread	
11	NOZZLE INLET SIZE	4" BSP (M) Thread	
PAINTING & FINISHING			
12	PAINTING: FIRE RED PAINT AS PER IS-5, SHADE NO. 536		



- MARKING ON MONITOR
- 1) MFR. NAME
 - 2) YEAR OF MFG.
 - 3) MONITOR & NOZZLE MODEL
 - 4) SERIAL NO.
 - 5) INLET SIZE
 - 6) DISCHARGE CAPACITY
 - 7) UL 162

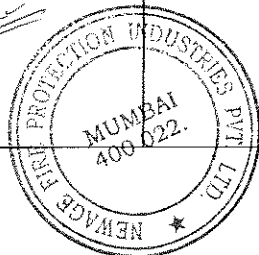
TITLE :		REV.		MODIFICATION		DATE	
FIXED GALLOWAGE AQUA FOAM MONITOR OF WATER		02					
DISCHARGE CAPACITY 500 GPM @ 7 KG/CM2		01					
SPECIFICATION : REF. STANDARD IS:8442, UL-162		SCALE	NAME	DATE	SIGN		
MATERIAL : S.S. 304		NTS	RAJU	10/03/17			
CLIENT : M/s.		---	CHK. S.L.V.	10/03/17			
		REV. 0	APPD.	-	-		
		TOLERANCE : AS INDICATE OR OPEN					
		DRG. NO. : NFPI-6565					



<p>NEWAGE FIRE PROTECTION INDUSTRIES PVT. LTD.</p> <p>OFFICE : 4, CHAMPAKAL UDYOG BHAVAN, SION (EAST), MUMBAI-400 022 (INDIA)</p> <p>WORKS : KHOPOLI, MAHARASHTRA-410 203 (INDIA)</p>	
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N	Document No. NFPI/TDS-09-381	Title Technical Data Sheet For FIXED GALLONAGE AQUA FOAM MONITOR OF WATER DISCHARGE CAP. 500 GPM AT 7 Kg/Cm2		Page No. 1 of 2
	Client	M/s.		
Ref. No.	---			
Item	Fixed Gallonage Aqua Foam Monitor.			
Drg. No	NFPI-6565 Rev.: 0			
SL #	PARAMETERS	SPECIFICATION		
1.0	General			
1.1	Model – a) Monitor b) Nozzle	AFM-500 AFN-500		
1.2	Inlet Connection	Flange- 3" NB, ANSI-B-16.5, 150#, SOFF		
1.3	Out let Connection	4" BSP (F) Threaded		
1.4	Max. Working Pressure	12.3 Kg/cm2		
1.5	Approval	'UL' Listed, File #: EX16006		
2.0	Material of Construction			
2.1	3" NB Base flange	S.S., ASTM A182 F 304		
2.2	3" 90° Elbow	S.S., ASTM A403 WP 304		
2.3	3" NB Water Way Barrel	S.S., ASTM A312 TP 304		
2.4	Nozzle & Nozzle adaptor	S.S., ASTM A351, Gr. CF8		
2.5	Drain valve & Isolation Ball Valve	S.S., ASTM A351, Gr. CF8/S.S. 304		
2.6	Swivel Joints & Hand wheel	S.S., ASTM A351, Grade CF8		
2.7	Worm & Worm Shaft	S.S., ASTM A276 Grade 304		
2.8	Pick Up Tube (3 Mtrs. Long)	PVC wire braided.		
2.9	Pick Up Tube Lance (0.5 Mtrs. Long)	S.S., ASTM A312 TP 304		
3.0	Hydrostatic test Pressure Monitor Assembly without Nozzle	25 Kg/Cm2 for 5 minutes.		
CAT.	Approving Authority Remarks	Initials	Date	Stamping
A.	Approved As submitted			
B	Revise as per comments and resubmit			
C	Resubmit for final records			
Prepared By		Approved By		Revision
 RAJU		 S.L.V.		0
				Date 10/03/2016



N	Document No. NFPI/TDS-09-381	Title Technical Data Sheet For FIXED GALLONAGE AQUA FOAM MONITOR OF WATER DISCHARGE CAP. 500 GPM AT 7 Kg/Cm2			Page No. 2 of 2
	Client	M/s.			
Ref. No.	---				
Item	Fixed Gallonage Aqua Foam Monitor.				
Drg. No	NFPI-6565 Rev.: 0				
SL #	PARAMETERS	SPECIFICATION			
4.0	Performance at 7 Kg/Cm2 in still Air Condition				
4.1	Horizontal Rotation	360° Either Side.			
4.2	Elevation	+ 90° to - 45°			
4.3	Flow Rate @ 7 Kg/cm ²	500 GPM ±5%			
4.5	Horizontal Throw at 30° - 35° Angle		500 GPM		
		Water Throw	50 Mtrs.		
		Foam Throw	45 Mtrs.		
4.6	Induction Rate	3% to 3.9%			
4.7	Expansion ratio	1:3 to 1:4			
5.0	Finish	Painted With Fire Red IS:5 Shade 536 Paint.			
6.0	Marking on Monitor	Name of manufacturer Year of manufacturer Monitor Model Nozzle Model Serial No. Inlet Size Discharge Capacity UL 162			
CAT.	Approving Authority Remarks	Initials	Date	Stamping	
A.	Approved As submitted				
B.	Revise as per comments and resubmit				
C.	Resubmit for final records				
Prepared By		Approved By		Revision	
 RAJU		 S.L.V.		0	
				Date 10/03/2016	

