

SECTION-8

AS BUILT DATASHEET OF 2000 – 4000 **GPM MONITOR**

LONG RANGE WATER CUM FOAM MONITOR 2000-4000 GPM CAPACITY

SR. NO.	PARTICULARS	SPECIFICATION			
A	MONITOR				
1.	GENERAL REQUIREMENT :-				
1.1	QUANTITY	08 Nos.			
1.2	MANUFACTURER	M/s.Vimal Fire Controls Pvt. Ltd.			
1.3	MODEL NO.	SHOOT FIRE-2000-4000			
1.4	APPROVALS	UL Listed			
1.5	MEDIA	Water and Foam			
1.6	SIZE	8 ”			
2.	OPERATING PARAMETERS :-				
2.1	FLUID HANDLED	Water and Foam Solution			
2.2	DISCHARGE CAPACITY	2000-4000 GPM (± 5%) (At 7 Kg/cm² inlet pressure)			
2.3	HORIZONTAL DISCHARGE RANGE @ 30° IN STILL AIR CONDITION	GPM	WATER	FOAM	
		2000 GPM @ 7 Kg/cm2	80 Mtrs.	75 Mtrs.	
		4000 GPM @ 7 Kg/cm2	90 Mtrs.	85 Mtrs.	
2.4	TEMPERATURE	Ambient			
2.5	WORKING PRESSURE MIN - MAX -	7.0 Kg/cm² (g) 11.0 Kg/ cm² (g)			
2.6	MOVEMENT CONTROL OPERATION	Manually Through Hand Wheels / Handle			
2.7	MOVEMENT HORIZONTAL VERTICAL	360 0 135 0 (+90 0, -45 0)			
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2.8	CONNECTION	OUTLET INLET	8” – Flanged RF 150# (For Nozzle) 8” - Flanged RF 150#
2.9	MATERIAL OF CONSTRUCTION		Body/Elbow/Pipe/Flange : SS –304
			Swivel Joint : SS –304 (CF8)
			Worm & Worm Shaft : SS-304
			Hand Wheel : SS – 304 (CF8)
			Drain Valve Connection : SS –304
3.	TEST AND INSPECTION :-		
3.1	HYDRAULIC TEST		23 Kg/cm ² (For monitor body only without nozzle for 5 mints.)
4.	PAINTING		Fire red shade 536 as per IS:5
5.	MARKING		As per UL
6.	ACCESSORIES :-		
6.1	NUTS & BOLTS		SS – 304
6.2	DRAIN VALVE		SS – 304 (CF8)
B)	NOZZLE :		
1	TYPE		Non Aspirating (Aqua Fog/Foam type nozzle with jet & fog arrangement)
2	MODEL NO.		AQUA FOAM NOZZLE-2000-4000
3	APPROVAL		UL Listed
4	MEDIA		Water and Foam
5	OPERATING PARAMETERS:-		
5.1	FLUID		Water and Foam Solution
5.2	TEMPERATURE		Ambient
5.3	WORKING PRESSURE		7 Kg/cm ² (g)
5.4	CONNECTION		8 ” Flanged 150#
6.	MOC		SS -304 (CF8)

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7.	PAINTING :-	
7.1	NOZZLE TIP	Natural Surface
7.2	BODY	Yellow Epoxy Paint
8.	FOAM EXPANSION	1: 3 to 1:4

JET RATIO CONTROLLER PUMP (JRCP) FOR 2000-4000 GPM MONITOR

SR. NO.	PARTICULARS	SPECIFICATION
1.	GENERAL REQUIREMENT :-	
1.1	QUANTITY	2 Nos.. (Per monitor)

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1.2	MANUFACTURER	M/s.Vimal Fire Controls Pvt. Ltd.
1.3	MODEL NO.	JRCP SF 2000-4000
1.4	APPROVALS	UL
1.5	MEDIA	Water & Foam
2.	OPERATING CONDITIONS :-	
2.1	FLUID	Foam – Water Solution
2.2	TEMPERATURE	Ambient Temperature
2.3	PRESSURE	7 Kg/Cm ²
3.	DESIGN FEATURES :-	
3.1	INDUCTION	As Per UL Approval
3.2	WORKING PRESSURE	7 Kg/cm ²
3.3	INLET CONNECTION	2 ½” Male connection
3.4	OUTLET CONNECTION	2 ½” Female connection
4.	COLLECTING HEAD:-	
4.1	INLET CONNECTION	2 ½” Male connections (2 Nos.)
4.2	OUTLET CONNECTION	4” Female connection
5.	MATERIAL OF CONSTRUCTION :-	
5.1	JRCP BODY	SS – 304 (CF8)
5.2	COLLECTING HEAD	SS – 304 (CF 8)
5.3	MALE & FEMALE COUPLING	SS – 304 (CF 8)
5.4	VARIABLE INDUCTION VALVE	SS – 304(CF8)
5.5	JRCP BOX	SS – 304

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6.	PICK UP TUBE	Size 2” PVC tube, 3-4 Mtrs. Long (*)
7.	ACCESSORIES:	
7.1	PICK UP TUBE	PVC tube reinforced with high tensile steel wire helix as per ASTM D1785 Sch. 80 (3-4 M Long)

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7.2	STRAINER(Removable type)	SS – 316 (CF8M)	
8.	HOSE WITH SS-304 COUPLING TO BE CONNECTED BETWEEN MONITOR & FOAM INDUCTOR	4” - 30 X 1 Length	Between collecting head & monitor – Tiger brand cotton/synthetic woven jacketed seamlessly rubber lined
		2 ½”-30 X 4 Length	Between foam inductor & collecting head – CRC –RRL brand Type A as per IS : 636
		2½”- 15 X 2 Length	
9.	PAINTING	Fire red shade 536 as per IS:5	

NOTE: 1) (*) Pick Up tube is PVC as per UL.