



Vimal Fire Controls Pvt. Ltd.

: FIRE PROTECTION & SAFETY ENGINEERS:

A – 1 – 851/1- B, G.I.D.C, Makarpura, Vadodara - 390 010, Gujarat

Phone: + 91 265 2642606, 2652017, Fax: + 91 265 2647246,

e-mail : vfcpbaroda@vimalfire.com

DATASHEET HIGH VOLUME LONG RANGE FOAM MONITOR 500-750-1000 GPM

					PROJECT	LAYING OF FIRE WATER NETWORK AT ONGC-HAZIRA PLANT.
					CLIENT	ONGC-HAZIRA.
					CONTRACTOR	SAVAIR ENERGY LIMITED.
					P.O.. NO. & DATE	SEL/PUR/06-404/AMENDMENT NO.1 DTD.: 02.03.2015
					SUB-CONTRACTOR	VIMAL FIRE CONTROLS PVT. LTD.
0	FOR APPROVAL	DDU	RCP	07.03.15	TITLE	DATASHEET HIGH VOLUME LONG RANGE FOAM MONITOR 500-750-1000 GPM
REV	DESCRIPTION	BY	CHK	DATE	DOC. NO.	VFCPL/ONGC/SEL /500-750-1000/01
					SHT No	1 of 6



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HIGH VOLUME LONG RANGE FOAM MONITOR 500-750-1000 GPM

SR. NO.	PARTICULARS	SPECIFICATION		
A	MONITOR			
1.	GENERAL REQUIREMENT :-			
1.1	QUANTITY	26 Nos.		
1.2	MANUFACTURER	Vimal Fire Controls Pvt. Ltd.		
1.3	MODEL NO. (MONITOR)	SHOOTFIRE -500-750-1000		
1.4	APPROVAL	UL Listed		
1.5	SIZE	4 Inch		
2.	OPERATING PARAMETERS :-			
2.1	FLUID HANDLED	Water and Foam Solution		
2.2	DISCHARGE CAPACITY	500-750-1000 GPM (± 5%) At 7 Kg/cm ² inlet pressure (Manually Adjustable)		
2.3	HORIZONTAL DISCHARGE RANGE @ 30°-35 ° IN STILL AIR CONDITION AT 7 KG/CM2	GPM/LPM	Water	Foam
		500 GPM/ 1892 LPM	70 Mtrs.	65 Mtrs.
		750 GPM/ 2838 LPM	60 Mtrs.	55 Mtrs.
		1000 GPM/ 3785 LPM	50 Mtrs.	45 Mtrs.
2.4	TEMPERATURE	Ambient		
2.5	OPERATING PRESSURE	MIN -	7.0 Kg/cm ² (g)	
		MAX-	10.5 Kg/cm ² (g)	

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SR. NO.	PARTICULARS	SPECIFICATION
2.6	OPERATION	<u>Horizontal & Vertical Movement:-</u> Manual Through Handwheel <u>Jet, Fog & Spray Movement:-</u> Manual Through Handle
2.7	MOVEMENT HORIZONTAL VERTICAL SPRAY ANGLE	360 ⁰ 105 ⁰ (+90 ⁰ , -15 ⁰) 120 ⁰
2.8	CONNECTION INLET OUTLET	4 Inch - Flanged 150# RF ANSI B 16.5 4 Inch - Female Threaded (For Nozzle)
2.9	MATERIAL OF CONSTRUCTION	Flange/Pipe/Elbow : SS-316 Swivel Joint : SS-304 (CF8) Casting Worm & Worm Shaft : SS-316 Hand Wheel : SS-304 (CF8) Casting Drain Valve Connection : SS-316
3.	TEST & INSPECTION:-	
3.1	HYDRAULIC TEST	25 Kg/ cm ² (For Monitor Body Without nozzle for 5 mins.)
4.	PAINTING	Fire Red, Shade No. 536 of IS:5
5	MARKING	<u>As per UL:-</u> 1. Sr. No. & Model No. 2. Size & Capacity 3. PO No. & Date 4. Client's Name 5. Pressure Rating

					PROJECT	LAYING OF FIRE WATER NETWORK AT ONGC-HAZIRA PLANT.
					CLIENT	ONGC-HAZIRA.
					CONTRACTOR	SAVAIR ENERGY LIMITED.
					P.O.. NO. & DATE	SEL/PUR/06-404/AMENDMENT NO.1 DTD.: 02.03.2015
					SUB-CONTRACTOR	VIMAL FIRE CONTROLS PVT. LTD.
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SR. NO.	PARTICULARS	SPECIFICATION
6.	ACCESSORIES:-	
6.1	NUTS & BOLTS & WASHERS	SS-316
6.2	DRAIN VALVE	SS-304 (CF8) Casting
B	NOZZLE	
1.	TYPE	Non Aspirating (Aqua Fog/Foam type nozzle with jet, fog & spray arrangement)
2.	MODEL NO. (NOZZLE)	AQUA FOAM NOZZLE -500-750-1000
3.	APPROVAL	UL Listed
4.	OPERATING PARAMETERS:-	
4.1	FLUID HANDLED	Water and Foam Solution
4.2	TEMPERATURE	Ambient
4.3	WORKING PRESSURE	MIN- 7 Kg/cm ² (g) MAX- 10.5 Kg/cm ² (g)
5.	MOC	SS-316 (CF 8M)
6.	PAINTING :-	
6.1	NOZZLE TIP	Natural Surface / Buffed.
6.2	BODY	Fire Red shade 536 as per IS:5
7.	FOAM EXPANSION	MIN- 1: 3 MAX- 1:6
8.	G.A. & DIM. DRAWING OF HIGH VOLUME LONG RANGE FOAM MONITOR 500-750-1000 GPM	Ref. No.: VFCPL/IOCL/500-750-1000/001 Sht. No.: 1 of 1

					PROJECT	LAYING OF FIRE WATER NETWORK AT ONGC-HAZIRA PLANT.
					CLIENT	ONGC-HAZIRA.
					CONTRACTOR	SAVAIR ENERGY LIMITED.
					P.O.. NO. & DATE	SEL/PUR/06-404/AMENDMENT NO.1 DTD.: 02.03.2015
					SUB-CONTRACTOR	VIMAL FIRE CONTROLS PVT. LTD.
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9.	PERFORMANCE CURVE OF HIGH VOLUME LONG RANGE FOAM MONITOR 500-750-1000 GPM	Ref. No.: VFCPL/IOCL/500-750-1000/002 Sht. No.: 1 of 1
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DATA SHEET FOR JET RATIO CONTROLLER PUMP (JRCP) FOR 500-750-1000 GPM

SR. NO.	PARTICULARS	SPECIFICATION
1.	GENERAL REQUIREMENT :	
1.1	QUANTITY	1 No. (Per monitor)
1.2	MANUFACTURER	Vimal Fire Controls Pvt. Ltd.
1.3	MODEL NO. (JRCP)	JRCP SF 500-750-1000
1.4	APPROVAL	UL Listed
2.	OPERATING CONDITIONS :	
2.1	FLUID HANDLED	Water and Foam Solution
2.2	TEMPERATURE	Ambient Temperature
2.3	PRESSURE	7 Kg/Cm ²
3.	DESIGN FEATURES :	
3.1	INDUCTION	3% (Min.) +20%
3.2	WORKING PRESSURE	7 Kg/cm ²
3.3	INLET CONNECTION	2 ½ Inch Hose Male Coupling (As per IS-903)
3.4	OUTLET CONNECTION	2 ½ Inch Hose Female Coupling (As per IS-903)
4	MATERIAL OF CONSTRUCTION :	
4.1	JRCP BODY	SS-304 (CF 8) Casting

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					CONTRACTOR	SAVAIR ENERGY LIMITED.
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4.2	2 1/2" HOSE MALE COUPLING	SS-304 (CF 8) Casting
4.3	2 1/2" HOSE FEMALE COUPLING	SS-304 (CF 8) Casting
4.4	JRCP BOX	SS-304
4.5	VARIABLE INDUCTION VALVE	SS-304 (CF 8) Casting
5.	PICK UP TUBE	Size 2 Inch PVC tube, 3-5 Mtrs. Long

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SR. NO.	PARTICULARS	SPECIFICATION
6.	ACCESSORIES :-	
6.1	STRAINER (Removable type)	SS-316 (CF 8M) Casting
7.	PAINTING	Fire Red shade 536 as per IS:5
8.	G.A. DRAWING OF JRCP FOR HIGH VOLUME LONG RANGE FOAM MONITOR 500-750-1000 GPM	Ref. No.: VFCPL/IOCL/500-750-1000/003 Sht. No.: 1 of 1

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