



## 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,

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# DATASHEET HIGH VOLUME LONG RANGE FOAM MONITOR 1000-1500-2000 GPM

					<b>PROJECT</b>	LAYING OF FIRE WATER NETWORK AT ONGC-HAZIRA PLANT.		
					<b>CLIENT</b>	ONGC-HAZIRA.		
					<b>CONTRACTOR</b>	SAVAIR ENERGY LIMITED.		
					<b>P.O.. NO. &amp; DATE</b>	SEL/PUR/06-404/AMENDMENT NO.1 DTD.: 02.03.2015		
					<b>SUB-CONTRACTOR</b>	VIMAL FIRE CONTROLS PVT. LTD.		
0	FOR APPROVAL	DDU	RCP	07.03.15	<b>TITLE</b>	DATASHEET HIGH VOLUME LONG RANGE FOAM MONITOR 1000-1500-2000 GPM		
<b>REV</b>	<b>DESCRIPTION</b>	<b>BY</b>	<b>CHK</b>	<b>DATE</b>	<b>DOC. NO.</b>	VFCPL/ONGC/SEL/1000-1500-2000/01	<b>SHT No</b>	1 of 6



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### HIGH VOLUME LONG RANGE FOAM MONITOR 1000-1500-2000 GPM

SR. NO.	PARTICULARS	SPECIFICATION		
A	<b>MONITOR</b>			
1.	<b>GENERAL REQUIREMENT :-</b>			
1.1	MANUFACTURER	Vimal Fire Controls Pvt. Ltd.		
1.2	QUANTITY	20 NOS.		
1.3	MODEL NO. (MONITOR)	SHOOT FIRE - 1000-1500-2000		
1.4	APPROVAL	UL Listed		
1.5	SIZE	6 Inch		
2.	<b>OPERATING PARAMETERS :-</b>			
2.1	FLUID HANDLED	Water and Foam Solution		
2.2	DISCHARGE CAPACITY	1000-1500-2000 GPM ( $\pm$ 5%) At 7 Kg/cm <sup>2</sup> inlet pressure (Manually Adjustable)		
2.3	HORIZONTAL DISCHARGE RANGE @ 30° to 35° IN STILL AIR CONDITION AT 7 KG/CM <sup>2</sup>	GPM/LPM	Water	Foam
		1000 GPM/ 3785 LPM	65 Mtrs.	60 Mtrs.
		1500 GPM/ 5677 LPM	70 Mtrs.	65 Mtrs.
		2000 GPM/ 7570 LPM	75 Mtrs.	70 Mtrs.
2.4	TEMPERATURE	Ambient		
2.5	WORKING PRESSURE	MIN -	7 Kg/cm <sup>2</sup> (g)	
		MAX -	10.5 Kg/ cm <sup>2</sup> (g)	

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					<b>CLIENT</b>	ONGC-HAZIRA.		
					<b>CONTRACTOR</b>	SAVAIR ENERGY LIMITED.		
					<b>P.O.. NO. &amp; DATE</b>	SEL/PUR/06-404/AMENDMENT NO.1 DTD.: 02.03.2015		
					<b>SUB-CONTRACTOR</b>	VIMAL FIRE CONTROLS PVT. LTD.		
0	FOR APPROVAL	DDU	RCP	07.03.15	<b>TITLE</b>	DATASHEET HIGH VOLUME LONG RANGE FOAM MONITOR 1000-1500-2000 GPM		
<b>REV</b>	<b>DESCRIPTION</b>	<b>BY</b>	<b>CHK</b>	<b>DATE</b>	<b>DOC. NO.</b>	VFCPL/ONGC/SEL/1000-1500-2000/01	<b>SHT No</b>	2 of 6



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SR. NO.	PARTICULARS	SPECIFICATION
2.6	OPERATION	<u>Horizontal &amp; Vertical Movement:-</u> Manual Through Handwheel <u>Jet, Fog &amp; Spray Movement:-</u> Manual Through Handle
2.7	MOVEMENT HORIZONTAL VERTICAL SPRAY ANGLE	360 <sup>0</sup> 105 <sup>0</sup> (+90 <sup>0</sup> , -15 <sup>0</sup> ) 120°
2.8	CONNECTION INLET OUTLET	6 Inch - Flanged 150# RF ANSI B 16.5 6 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.	<b>TEST AND INSPECTION :-</b>	
3.1	HYDRAULIC TEST	25 Kg/ cm <sup>2</sup> . (For Monitor Body Without nozzle for 5 mins.)
4.	PAINTING	Fire Red shade 536 as per 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

					<b>PROJECT</b>	LAYING OF FIRE WATER NETWORK AT ONGC-HAZIRA PLANT.
					<b>CLIENT</b>	ONGC-HAZIRA.
					<b>CONTRACTOR</b>	SAVAIR ENERGY LIMITED.
					<b>P.O.. NO. &amp; DATE</b>	SEL/PUR/06-404/AMENDMENT NO.1 DTD.: 02.03.2015
					<b>SUB-CONTRACTOR</b>	VIMAL FIRE CONTROLS PVT. LTD.
0	FOR APPROVAL	DDU	RCP	07.03.15	<b>TITLE</b>	DATASHEET HIGH VOLUME LONG RANGE FOAM MONITOR 1000-1500-2000 GPM
<b>REV</b>	<b>DESCRIPTION</b>	<b>BY</b>	<b>CHK</b>	<b>DATE</b>	<b>DOC. NO.</b>	VFCPL/ONGC/SEL/1000-1500-2000/01
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SR. NO.	PARTICULARS	SPECIFICATION
<b>6.</b>	<b>ACCESSORIES :-</b>	
6.1	NUTS & BOLTS & WASHERS	SS-316
6.2	DRAIN VALVE	SS-304 (CF8) Casting
<b>B)</b>	<b>NOZZLE :</b>	
1	TYPE	Non Aspirating (Aqua Fog/Foam type nozzle with jet, fog & spray arrangement)
2	MODEL NO. (NOZZLE)	AQUA FOAM NOZZLE – 1000-1500-2000
3	APPROVAL	UL Listed
<b>4</b>	<b>OPERATING PARAMETERS:-</b>	
4.1	FLUID HANDLED	Water and Foam Solution
4.2	TEMPERATURE	Ambient
4.3	WORKING PRESSURE	MIN- 7 Kg/cm <sup>2</sup> (g) MAX- 10.5 Kg/cm <sup>2</sup> (g)
4.4	CONNECTION	6 Inch Male Threaded
5.	MOC	SS-316 (CF8M) Casting
<b>6.</b>	<b>PAINTING :-</b>	
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 1000-1500-2000 GPM	Ref. No.: VFCPL/IOCL/1000-1500-2000/001 Sht. No.: 1 of 1
9.	PERFORMANCE CURVE OF HIGH VOLUME LONG RANGE FOAM MONITOR 1000-1500-2000 GPM	Ref. No.: VFCPL/IOCL/1000-1500-2000/002 Sht. No.: 1 of 1

					<b>PROJECT</b>	LAYING OF FIRE WATER NETWORK AT ONGC-HAZIRA PLANT.		
					<b>CLIENT</b>	ONGC-HAZIRA.		
					<b>CONTRACTOR</b>	SAVAIR ENERGY LIMITED.		
					<b>P.O.. NO. &amp; DATE</b>	SEL/PUR/06-404/AMENDMENT NO.1 DTD.: 02.03.2015		
					<b>SUB-CONTRACTOR</b>	VIMAL FIRE CONTROLS PVT. LTD.		
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### DATA SHEET FOR JET RATIO CONTROLLER PUMP (JRCP) FOR 1000-1500-2000 GPM

SR. NO.	PARTICULARS	SPECIFICATION
<b>1.</b>	<b>GENERAL REQUIREMENT :</b>	
1.1	QUANTITY	1 No. (Per monitor)
1.2	MANUFACTURER	Vimal Fire Controls Pvt. Ltd.
1.3	MODEL NO. (JRCP)	JRCP SF 1000-1500-2000
1.4	APPROVAL	UL Listed
<b>2.</b>	<b>OPERATING CONDITIONS :</b>	
2.1	FLUID HANDLED	Water and Foam Solution
2.2	TEMPERATURE	Ambient Temperature
2.3	PRESSURE	7 Kg/Cm <sup>2</sup>
<b>3.</b>	<b>DESIGN FEATURES :</b>	
3.1	INDUCTION	3% (Min.) +20%
3.2	WORKING PRESSURE	7 Kg/cm <sup>2</sup>
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)
<b>4</b>	<b>MATERIAL OF CONSTRUCTION :</b>	
4.1	JRCP BODY	SS-304 (CF 8) Casting
4.2	2 ½" HOSE MALE COUPLING	SS-304 (CF 8) Casting
4.3	2 ½" 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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					<b>P.O.. NO. &amp; DATE</b>	SEL/PUR/06-404/AMENDMENT NO.1 DTD.: 02.03.2015
					<b>SUB-CONTRACTOR</b>	VIMAL FIRE CONTROLS PVT. LTD.
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SR. NO.	PARTICULARS	SPECIFICATION
6.	<b>ACCESSORIES :-</b>	
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 1000-1500-2000 GPM	Ref. No.: VFCPL/IOCL/1000-1500-2000/003 Sht. No.: 1 of 1

					<b>PROJECT</b>	LAYING OF FIRE WATER NETWORK AT ONGC-HAZIRA PLANT.
					<b>CLIENT</b>	ONGC-HAZIRA.
					<b>CONTRACTOR</b>	SAVAIR ENERGY LIMITED.
					<b>P.O.. NO. &amp; DATE</b>	SEL/PUR/06-404/AMENDMENT NO.1 DTD.: 02.03.2015
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