



## 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](mailto:vfcpbaroda@vimalfire.com)

# DATASHEET & DRAWINGS OF REMOTE CONTROLLED MONITOR & GEAR ASSEMBLY 10500 US GPM (UL LISTED)

Manufacturer: M/s. Vimal Fire Controls Pvt. Ltd.

REV	DESCRIPTION	BY	CHK	DATE	DOC. NO.	SHT No	1 of 6
0	FOR APPROVAL	DDU	RM	21.12.16	TITLE	DATASHEET OF MONITOR 10500 US GPM RCM	
					SUPPLIER	VIMAL FIRE CONTROLS PVT. LTD.	



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### REMOTE OPERATED ELEVATED LONG RANGE WATER CUM FOAM MONITOR Cap. 10500 US GPM (UL Listed)

SR. NO.	PARTICULARS	SPECIFICATION	
A	<b>MONITOR</b>		
1.	GENERAL REQUIREMENT :-		
1.1	QUANTITY	---	
1.2	MANUFACTURER	M/s. Vimal Fire Controls Pvt. Ltd.	
1.3	MODEL NO.	SHOOTFIRE -10500	
1.4	APPROVAL	UL Listed (*)	
1.5	MEDIA	Water & Foam	
1.6	SIZE OF MONITOR	10"	
2.	OPERATING PARAMETERS :-		
2.1	FLUID HANDLED	Water and Foam	
2.2	DISCHARGE CAPACITY	10500 US GPM ( $\pm 5\%$ ) (7 Kg/cm <sup>2</sup> nozzle inlet pressure )	
2.3	DISCHARGE RANGE @ 7KG/CM <sup>2</sup> (G) AT NOZZLE IN STILL AIR CONDITION HORIZONTAL @ 30-35°	Water	Foam
		125 Mtrs.	115 Mtrs.
2.4	TEMPERATURE	Ambient	
2.5	WORKING PRESSURE AT NOZZLE INLET	MIN	7 Kg/cm <sup>2</sup>
		MAX	10.5 Kg/cm <sup>2</sup>
2.6	MOVEMENT CONTROL	REMOTE	Electrically (Through Geared Motors)
		MANUAL	Hand Wheels
2.7	MOVEMENT	HORIZONTAL	340° (**)
		VERTICAL	135° (+90°,-45°)

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					VFCL/10500US GPM/02		2 of 6



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SR. NO.	PARTICULARS	SPECIFICATION
2.8	MONITOR CONNECTION INLET OUTLET	10" (Flanged Type) 10" (Flanged Type)
2.9	MATERIAL OF CONSTRUCTION	
2.9.1	BODY /ELBOW / PIPE / FLANGE	SS-304 / SS-316 / SS-316L
2.9.2	SWIVEL JOINT	SS-304(CF8) / SS 316(CF8M) / SS 316L (CF3M)
2.9.3	WORM & WORM SHAFT	SS-304 / SS-316 / SS-316L
2.9.4	HAND WHEEL	SS-304(CF8) / SS 316(CF8M) / SS 316L (CF3M)
2.9.5	DRAIN CONNECTION	SS-304 / SS-316 / SS-316L
3.	TEST & INSPECTION	
3.1	HYDRAULIC TEST	23 Kg. /cm <sup>2</sup> (For Monitor Body without Nozzle for 5 mins.)
4	PAINTING	Fire Red Paint As per IS:5, Shade No. 536
5	MARKING AS PER UL	<ul style="list-style-type: none"> <li>• UL File No.</li> <li>• Monitor Serial No.</li> <li>• Model No.</li> <li>• Purchase Order No.</li> <li>• Capacity</li> </ul>
6	ACCESSORIES	
6.1	DRAIN VALVE	SS-304(CF8) / SS 316(CF8M) / SS 316L (CF3M)

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					TITLE	DATASHEET OF MONITOR 10500 US GPM RCM	
						VCPL/10500US GPM/02	3 of 6



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SR. NO.	PARTICULARS	SPECIFICATION
<b>B)</b>	<b>NOZZLE :</b>	
1	TYPE	Non Aspirating (Aqua Fog / Foam Type Nozzle with Jet & Fog Arrangement)
2	APPROVAL	UL Listed
3	MEDIA	Water & Foam
4	OPERATING PARAMETERS :-	
4.1	FLUID	Water & Foam
4.2	TEMPERATURE	Ambient
4.3	WORKING PRESSURE	7 Kg/cm <sup>2</sup>
4.4	CONNECTION	10" Flanged End
5	MATERIAL OF CONSTRUCTION	SS-304(CF8) / SS 316(CF8M) / SS 316L (CF3M)
6	PAINTING :-	
6.1	NOZZLE TIP	Natural Surface
6.2	BODY	Fire Red Paint as per IS:5, Shade No. 536
7	FOAM EXPANSION	Min. 1:3 to Max. 1:7
8	GA & DIMENSIONAL DRAWING of WATER CUM FOAM MONITOR 10500 US GPM (RCM)	Ref. Drawing No. : VFCPL/GA/10500US GPM
9	REMOTE CONTROL MECHANISM DRAWING OF WATER CUM FOAM MONITOR 10500 US GPM (RCM)	Ref. Drawing No.: VFCPL/RCM/10500US GPM
10	PERFORMANCE CURVE OF WATER CUM FOAM MONITOR 10500 US GPM (RCM)	Ref. Drawing No.: VFCPL/P.CURVE/10500US GPM

Notes: (\*) Only Basic Monitor is UL Listed, Remote Control Accessories are Non-UL Listed.

(\*\*) Gap between Two Proximity Sensors & for Left / Right end position cut off.

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