

Technical Specifications

Air Supply Unit (Paint Shop)

Year of Commissioning : 1987 ~ 88

Sr	Parameters	Units	Specifications	Remarks
1	Air Volume (Air Supply Unit)	m ³ /min	700	Air Supply unit is intended to supply clean air for the spray booth
	-Dimensions	mm	L=7900, W=2600, H=2600	Casing Shall be of 1.2 thk galvanized sheet metal pressed panel construction, and shall be installed on the floor
2	Saran Net Filter	mm	L=500, W=500, Thk=25	This filter is intended for pre-screening of the outside air, and can be washable and ex-changeable (20 Nos)
3	Automatic roll filter		VMR-2C-250	Viledon FR - 285L
	-Dimensions	mm	D=470, W=1850, H=2500	
4	Shower Humidifier		This Shower humidifier is intended for primary control of supply air and humidification, and dust removal	
5	Water Tank (Concrete tank)	mm	L=1850, W=2100, H=600 (1.94m ³)	
6	Pump		DB50/13, 650l/min x 20mH x 3.7kw	Kirloskar
7	Silencer	Inch	2"	2pcs (Ben Make)
8	Washer Nozzle	l/min/pc	Panlight nozzle 6l/min/pc	102pcs
	Steam Nozzale		K-19 BSBM PT 3/8" x 1	53pcs (Katori)
9	Thermostat	°C	0 - 50°C, Diatrol R7372D	Yamatake Honey Well
10	Thermo Bulb	mm	PT100, L=500mm	
11	2 Way Valve		V5063A / 6086 2B x 2B	Yamatake Honey Well
12	Modutrol Motor		M944B	3 Nos (Yamatake Honey Well)
13	Valve Linkage		Q455C	3 Nos (Yamatake Honey Well)
14	Supply Air Fan		Volume:700m ³ /min x 80mm x 30kw	Taniyama
15	Control of Circulation water		Circulation water shall be always maintained clean. Contaminated water causes clogging of nozzles, reduces cleaning efficiency and temp reduction range	
16	Reheater		Reheater is intended for the final stage control of supply air temp, and it is steam heating aerofin heater 1 row	
17	Direct Humidifaction		Direct humidification is intended for the final stage control of supply air humidity, it is by direct steam humidification	

Temperature and Humidity Control Level :-

Winter : Washer Heating Set Temperature - 14.5°C
: Reheater Set Temperature - 22°C
: Set Humidity - 80% RH
Summer : Not Controlled