

"U" Type Fabric Dyeing Machine



VASUDEV ENGINEERING

Quality That's Deliver

"U" Type Fabric Dyeing Machine

GENERAL DESCRIPTION AND MAIN FEATURES

- Fabric loading capacity 20 Kgs up to 500 Kgs
- Our machine design reduce water ratio use in fabric dyeing machine.
- Pressure Vessel and all wet part machine made of stainless steel AISI 316 / 316 L, highly corrosive resistance.
- The fully folded nozzle and nozzle diameter up to 65 to 105 mm. for man made fabric.
- Newly developed high flow nozzle for light & heavy fabric.
- High fabric speed up to 400 m /min
- Liquor ratio 1:1.5 to 1:2
- Dye - 30 to 450 Grams / Mtr. Sq. Fabric (polyester, polyester blends, Woven & Knitted fabric)
- A mirror polished fabric transport perforated basket for easy trouble free movement of fabric from back to the front of machine.
- The perforated basket is fabricated in such that welded part does not come in contact with the fabric.
- Specially designed the heat exchanger for quick heating and cooling
- Maximum working temperature 135°C
- All safety device required for a pressure vessel are incorporated with machine.
- Take off reel with direct couple geared motor and stainless steel structure.
- Heavy duty low rpm & high rpm pump which consume low power & high discharge of liquor
- All valve are mad of investment casting and stainless steel 316.
- Semi and fully automatic version with advanced microprocessor control.

TECHNICAL DATA

SR NO.	MODEL	UNIT	50-70 KGS.	100-125 KGS.	150-180 KGS.	250-280 KGS.	300-330 KGS.	400-430 KGS.	500-530 KGS.
1	Capacity (Designed Fabric)	KGS.	70	125	180	280	330	430	530
2	Fabric Loading Capacity (Capacity Variation)	KGS.	50 +/-20	100 +/-20	150 +/-20	250 +/-20	300 +/-20	400 +/-20	500 +/-20
3	Designed	KGS.	7	7	7	7	7	7	7
4	Working Pressure	KGS.	3	3	3	3	3	3	3
5	Vessel Diameter	MM	600	750	870	950	950	1020	1100
6	Main Motor For Pump	HP	5	5	10	10	10	15	15
7	Winch Motor	HP	0.5	0.5	0.5	0.5	0.5	0.5	0.5
8	Piling Motor	HP	N.A	N.A	0.5	0.5	0.5	0.5	0.5
9	Heating Time Average	Minutes	25	35	45	50	60	70	70
10	Steam Consumption	KGS.	65	100	150	165	200	225	225
11	Total Power Consumption	HP	5.5	5.5	11.5	11	11	13.5	13.5
12	Process Time	HRS	1.5	2	2-3	2-3	2-3	2-3	2-3
13	Nozzle Size	MM	65	80	80	80-95	80-95	80-105	80-105
14	Space Requirement for Machine								
	Length	MM			4550	4720		5150	5150
	Width	MM			2150	2200		2300	2300
	Height	MM			3525	3700		3850	4150
15	Machine in pair-Space Required: -								
	Length	MM			4550	4720		5150	5150
	Width	MM			3570	3710		3870	3870
	Height	MM			3525	3700		3850	4150



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