



**100% CO; Bleach, Reactive dyeing Drimaren CL; Medium Shade with HT Drain
Based on Clariant Recommendation**

Machine: SYN 500

THEN-AIRFLOW SYNERGY SYN 500

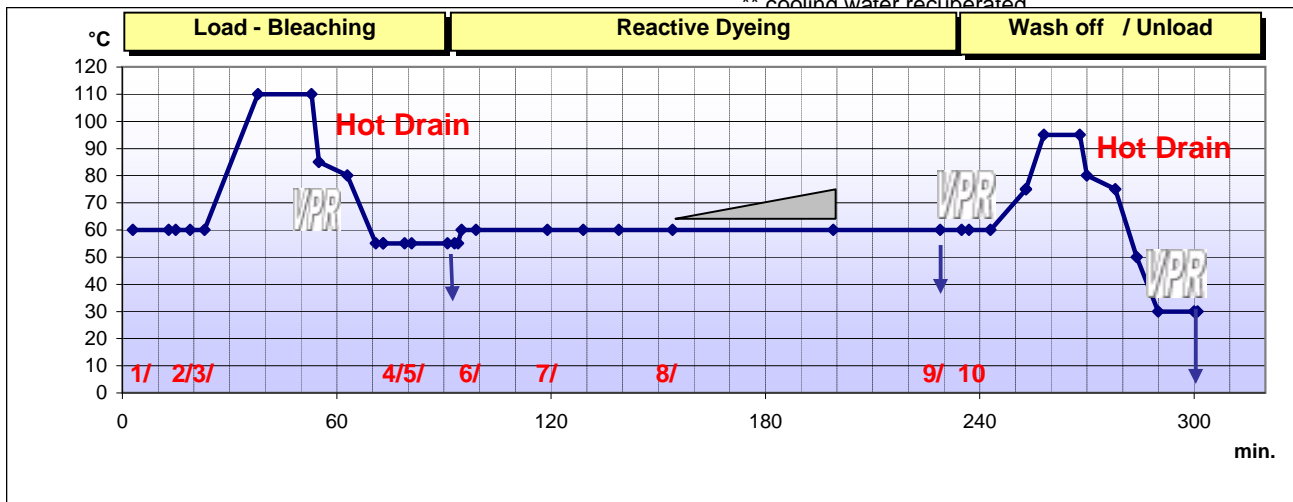
Machine data		81-CO-005
Number of ports		2
Number of chambers		2
Capacity / chamber	kgs	250
Liquor ratio pretreatment	1 :	4
Liquor ratio dyeing	1 :	4,00
Liquor refill ratio	1 :	0,38
Liquor direct rinse	ltrs/sec	3,3
Carry Over	1:	2,25
Blower	kW	45
Blower Setting		0,4
Main winch	kW	3,8
Saving factor with inverter		0,6
Main pump	kW	7,5
Additions pump	kW	1,5
Plaiting device	kW	0,75
Local Hot water supply system	°C	50
Cold Water Temp.	°C	28
Nozzle	DN	110
Nozzle pressure (spray)	bar	3,0
Speed	m/min.	350
Cycle time	min.	2,8

Fabric features	
Article	100% CO knitted
Process	Drimaren Orange
Colour	Medium Shade
gr/lm	259
gr/m²	185
Width cm	140
Tubular cm	70
Total capacity kg	500
Total meters	1931

Chemicals			
0,5% Imerol JSF liq	[1]	1 ml/l Ladiquest 1097 N	[6]
1,2% Sirrix SB liq	[1]	50 g/l common salt	[6]
0,9% NaOH 48 %Be	[2]	0,58% Drim.Yell. CL-2R	[7]
2,5% H ₂ O ₂ 50%	[3]	0,05% Drim.Red CL-5B	[7]
		0,47% Drim.Orange CL-3R	[7]
2,0 ml/l Sirrix NE liq	[4]	12 g/l Soda ash	[8]
0,35% Bactosol SAP liq c	[5]	2 ml/l Acetic acid	[9]
		1.5 ml/l Ladiquest 1097 N	[10]
3 ml/l Imacol C2G Liq.	[6]		

Results	
Process time	min. 301
Machine steam	kgs 62
Hot water steam	kgs 823
Cold water	ltrs 2445
Hot water	ltrs 15145
Water for cooling **	ltrs 0
Electricity	kWh 111
Consumption per kg fabric:	
Steam	kgs 1,77
Water	ltrs 35,18
Electricity	kWh 0,22
Compressed air	h.m³ 0,07

** cooling water recuperated



The above mentioned process times and consumption figures may vary. They depend on local production conditions, dyehouse utilities as well as the auxiliaries and dyes applied.