



TOWEL

Towel Dyeing Machine



JUMBOTOWEL
High Temperature Towel
Dyeing Machine



JUMBOTOWEL-38
Atmospheric Towel
Dyeing Machine



TOWEL - 8
High Temperature Towel
Dyeing Machine

Piece Dyeing

JUMBOTOWEL

High Temperature Towel Dyeing Machine

JUMBOTOWEL achieves low liquor ratio and low tension, provides good dyeing results, able to perform high temperature bleaching process.



5 Advantages

1. Suitable fabric weight : 200 ~ 600g/m²
2. Max. capacity per chamber : up to 400kg
3. Liquor ratio : approx. 1 : 6
4. High temperature bleaching
5. Application of towel dyeing machine

Technical Data

Design temperature 140° C

Design pressure: 3.5bar

Heating gradient 25° C ~ 100° C approx. 5° C/min

100° C ~ 130° C approx. 2.5° C/min

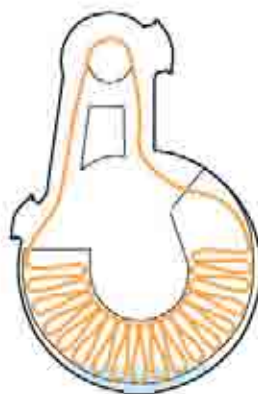
(dry saturated steam pressure at 7bar)

Cooling gradient 130° C ~ 100° C approx. 3° C/min

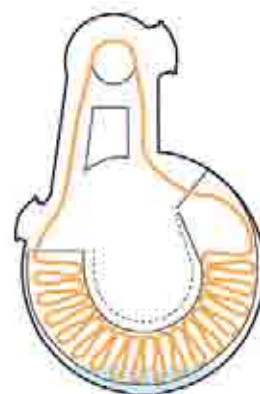
100° C ~ 80° C approx. 2° C/min

(cooling water at 3bar, 25° C)

VL storage chamber



Max. chamber setting
Suitable for high bulky material



Min. chamber setting
Suitable for normal bulky material



Lint Digester



Lint Collector
(Options)

JUMBOTOWEL-38

Atmospheric Towel Dyeing Machine

JUMBOTOWEL-38 atmospheric towel dyeing machine - is the most economical dyeing facility of towel market.



6 Advantages

1. Suitable fabric weight : 200 ~ 600g/m²
2. Max. capacity per chamber : up to 350kg
3. Liquor ratio : approx. 1 : 5 ~ 6
4. Equipped with Lint Digester, no cleaning of the filter needed
5. Highly automatic
6. The most economical dyeing machine

Technical Data

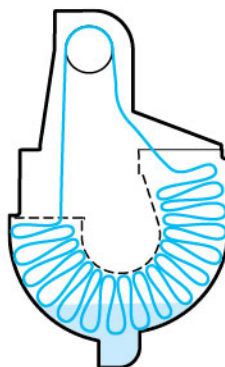
Design temperature 98° C

Design pressure : atmospheric

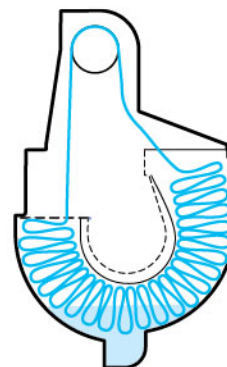
Heating gradient 25° C ~ 98° C approx. 5° C/min
(dry saturated steam pressure at 7bar)

Cooling gradient 98° C ~ 80° C approx. 2.5° C/min
(cooling water at 3bar, 25° C)

VL storage chamber



Max. chamber setting
Suitable for high bulky material



Min. chamber setting
Suitable for normal bulky material



Lint Digester



Vertical
heat exchange



Lint Collector
(Options)

TOWEL-8

High Temperature Towel
Dyeing Machine

TOWEL-8 is well designed to specialize for thick, bulky, and high pile towel fabrics, and suitable for the pre-treatment and dyeing of heavy curtains and decorative fabrics for both home textiles and automotive upholstery.



5 Advantages

1. Suitable for high quality towel fabrics
2. Suitable fabric weight : 600g/m² or above
3. Max. capacity per chamber : up to 500kg
4. Liquor ratio : approx. 1 : 8
5. Best for dyeing heavy fabrics

Technical Data

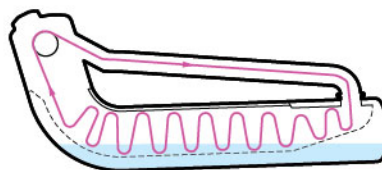
Design temperature 140° C

Design pressure : 3.5bar

Heating gradient 25° C ~ 100° C approx. 5° C/min
100° C ~ 130° C approx. 2.5° C/min
(dry saturated steam pressure at 7bar)

Cooling gradient 130° C ~ 100° C approx. 3° C/min
100° C ~ 80° C approx. 2° C/min
(cooling water at 3bar, 25° C)

Storage chamber



Multi-function stock tank (MST)
or Hot Water Stock Tank (HST)



Pre-filter



Lint Collector
(Options)

JUMBOTOWEL

Model	No. of tubes	No. of towers	Capacity (kg)	Installed power (kW)	Operating power* (kW)	Dimensions (mm)		
						L	W	H
JUMBOTOWEL-1T	1	1	360 ~ 400	24	15.3	4540	4970	4700
JUMBOTOWEL-2T	2	2	720 ~ 800	35	25.4	5870	5040	4890
JUMBOTOWEL-3T	3	3	1080 ~ 1200	54	39.6	8680	5160	4960
JUMBOTOWEL-4T	4	4	1440 ~ 1600	68	49.3	10200	5200	5000
JUMBOTOWEL-6T	6	6	2160 ~ 2400	105.5	74.0	13500	5300	5080

JUMBOTOWEL-38

Model	No. of tubes	No. of towers	Capacity (kg)	Installed power (kW)	Operating power* (kW)	Dimensions (mm)		
						L	W	H
JUMBOTOWEL-38-1T	1	1	300 ~ 350	24	15.4	3050	4400	4050
JUMBOTOWEL-38-2T	2	1	600 ~ 700	35	24.7	4300	4400	4050
JUMBOTOWEL-38-3T	3	3	900 ~ 1050	50	39.2	5600	4400	4050
JUMBOTOWEL-38-4T	4	2	1200 ~ 1400	60	48.1	6900	4400	4050

TOWEL-8

Model	Type	No. of tubes	Capacity (kg)	Suitable fabric weight (g/m)	Installed power (kW)	Operating power* (kW)	Dimensions (mm)		
							L	W	H
TOWEL-8-1T	HP20-40	1	350	500 ~ 1800	22	17.2	7770	1970	3880
	HP20-55		500				9790	2080	
	HP30-40		350	1200 ~ 3500	24	18.0	7770	1970	3880
	HP30-55		500				9790	2080	
TOWEL-8-2T	HP20-40	2	700	500 ~ 1800	41	34.0	7770	3600	3880
	HP20-55		1000				9790	3800	
	HP30-40		700	1200 ~ 3500	42	35.5	7770	3600	3880
	HP30-55		1000				9790	3800	
TOWEL-8-3T	HP20-40	3	1050	500 ~ 1800	55	45.0	8500	5000	3880
	HP20-55		1500				9790	5200	
	HP30-40		1050	1200 ~ 3500	56	45.0	8500	5000	3880
	HP30-55		1500				9790	5200	
TOWEL-8-4T	HP20-40	4	1400	500 ~ 1800	64	53.0	8500	6900	3880
	HP20-55		2000				9790	7100	
	HP30-40		1400	1200 ~ 3500	68	56	8500	6900	3880
	HP30-55		2000				9790	7100	

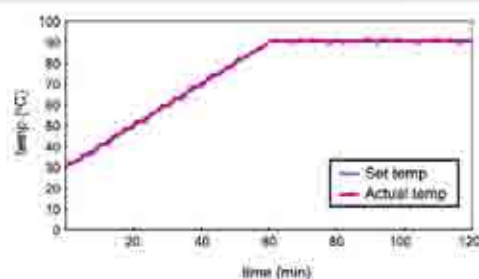
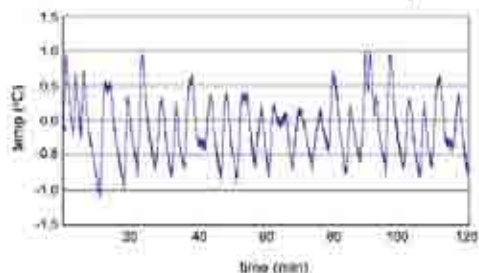
The above dimension is according to the standard configuration.
* Operating Power is the primary energy consumption during dyeing.

FC30 Series Program Controller For The Most Dyehouse Network Advanced Control System

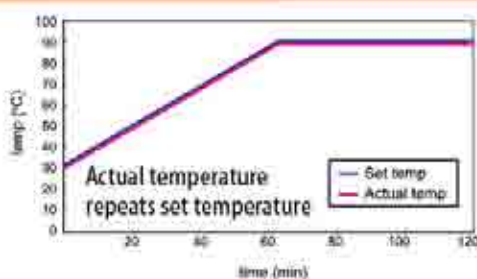
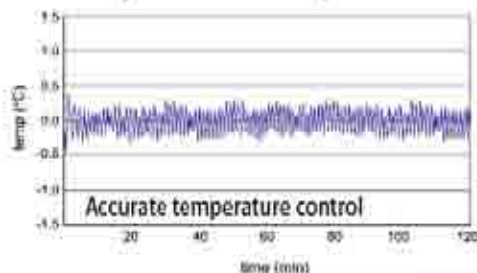
New generation of FC30 program controller has a 6.5-inch 640x480-pixel, TFT color LCD display together with novel control functions, provides the most cost-effective dye cycle control. FC30 can also integrate with our **viewtex** and THEN-TDS central computer system, providing comprehensive control management.



Conventional PI Control Temp $\pm 1^{\circ}\text{C}$



Fuzzy Control Temp $\pm 0.3^{\circ}\text{C}$



Fuzzy Logic Temperature Control

Unique Fuzzy Logic Temperature Control technology, temperature control can be confined down to $\pm 0.3^{\circ}\text{C}$.



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