



**Color Soft<sup>®</sup> LUR**

Soft Flow Fabric Dyeing Machine



An ISO 9001:2008 Company

**EXOLLOYS**  
ENGINEERING PVT. LTD.

[www.exolloys.com](http://www.exolloys.com)

**eco**friendly  
Low Liquor Machine.

## Ecofriendly

The new ColorSoft™ LLR dyeing machines are designed keeping ecosystem in view.

The machine uses less resources like water, steam, chemicals and dye stuff.

The effluent discharged is reduced significantly and therefore a friend to the nature.

## Economy

The ColorSoft™ LLR range of dyeing machines offers problem-free operations under the most grueling conditions.

The special in-built features make these machines ideally suited for demanding industrial conditions.

They are economical in their use of water, steam, chemicals, dyestuff, and process times.

## Performance

### **Knitting excellence into your fabric**

Like the fibre in the fabric, quality is Knitted into every ColorSoft™ LLR Dyeing machine. It is this quality that makes ColorSoft™ LLR best suited for any fabric dye house.

The most gentle dyeing conditions produce the highest quality fabric. The lowest nozzle pressures, gentle process speeds coupled with tensionless and tangle-free fabric movement, produce outstanding fabric quality, free of pilling, creasing, rope marks and minimum fibre loss.

'ColorSoft™ LLR' Dyeing machine is suitable for cotton, synthetic and blended fabric such as polyester, polyamide, lyocell, cupro, polynosic, micro fibre, tencel, linen etc. and blend of all these synthetic fabrics with cotton or with viscose.

The biggest advantage of this systems is to have very good levelness of dyed material and short dyeing process time without crease mark.

'ColorSoft™ LLR' ensures saving in chemicals, dyestuff, water, energy, processing time as compared to other conventional machines.

The machine is particularly suitable for gentle and careful treatment of fabrics having a sensitive structure.

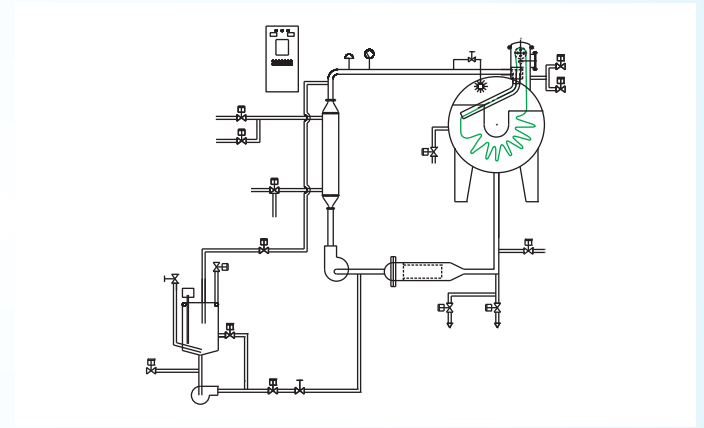


The ColorSoft™ LLR small batch machine bridges the gap between research, laboratory and production.

Due to its high versatility, it is used in the research for quality assurance, in the laboratory for testing new processes and for running sample batches, and in production to manufacture very small batches.

The similar level of chemicals and water utilization, enables the use of results for normal production.

The compact nature of machine ensures operator friendly working.



### Salient Features

- Very Low liquor ratio 1 :4 for cotton.
- Water consumption is much less than conventional machines, approx 30 -40%.
- Less Batch time due to quick fill & drain, less fabric rotation time, fast heating & cooling of the system.
- Low power consumption due to efficient pump & piping design.
- Energy saving, due to low water amount.
- Practically entanglement free running, which enhances dyeing quality.
- Lowest cost per kg. of output.
- Eco Friendly due to lower effluent discharge.

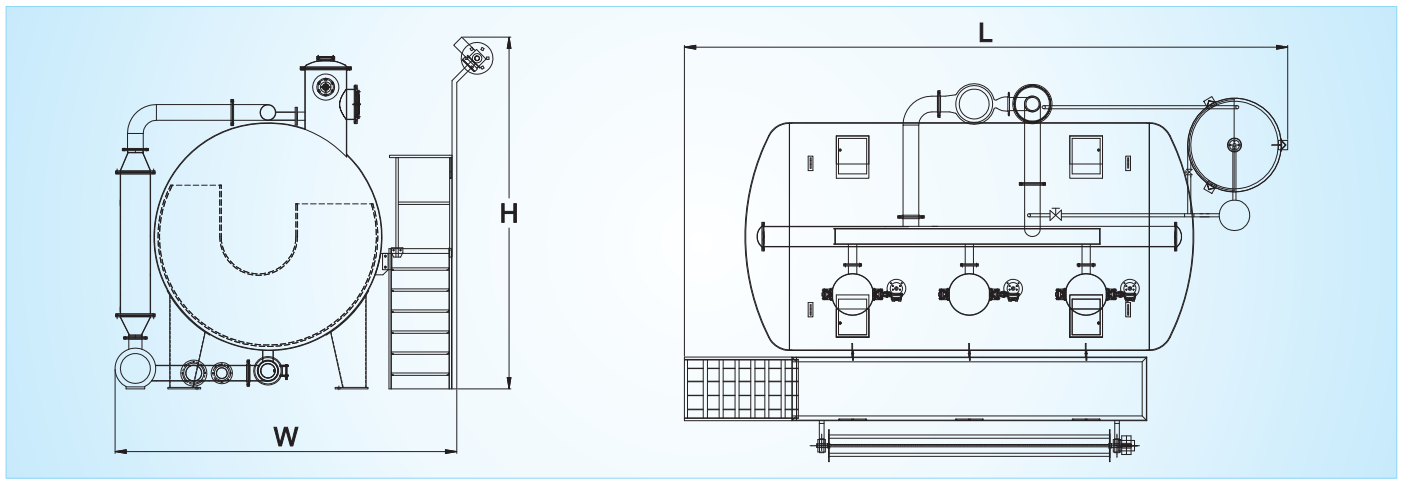
### Technical Features

- Compact design, body manufactured out of heavy duty AISI316L Stainless steel for all parts in contact with liquor.
- Heavy duty cast stainless steel circulation pump (low pressure high discharge) with mechanical seal to effect circulation and improve dyestuff fastness.
- PTFE sheet mounted inside to prevent any frictional damage.
- Frequently controlled AC drive for accurate speed variation of Lifter Reel.
- Machine can be equipped to suit requirement i.e. ranging from manual control to Fully automatic control.
- All critical Bought outs from reputed manufacturers.
- Magnetic Level Indicator.
- High efficiency heat exchanger to ensure quick heating/cooling.
- High volume lint filter, particularly necessary in cotton and heavy GSM fabrics, for sampling process and indication of cycle time (option).
- Addition tank with mixer for proper mixing and dilution of chemicals and dye stuff.

### Technical Data

- Maximum Working Temp 135° C
- Maximum Working Pressure 3.2 Bar.
- Heating Rate : Approx. 4° C/Min upto 90° C & 3° C /Min upto 135° C at Steam Pressure of 6 Bar.
- Cooling Rate : Approx. 3° C/Min At Water Pressure of 4 Bar at 15° C.





### Sample dyeing machine

MODEL HTHP	NUMBERS OF ROPES	CAPACITY KGS (NOMINAL)	POWER KW	LENGTH MM	WIDTH MM	HEIGHT MM
CS 10 LLR	1	10	3.3	1500	2000	2000
CS 15 LLR	1	15	3.3	1500	2100	2000
CS 25 LLR	1	25	3.3	2500	2500	2500
CS 50 LLR	1	50	3.3	2500	2500	3000

### Fabric dyeing machine

MODEL HTHP	NUMBERS OF ROPES	CAPACITY KGS (NOMINAL)	POWER KW	LENGTH MM	WIDTH MM	HEIGHT MM
CS 100 LLR	2	100	7	3000	2500	3000
CS 150 LLR	2	150	7	3400	2700	3200
CS 300 LLR	2	300	10	4000	4000	3800
CS 350 LLR	2	350	10	4400	4200	4000
CS 600 LLR	4	600	18.95	6000	4000	3800
CS 700 LLR	4	700	18.95	6400	4200	4000
CS 900 LLR	6	900	23.5	7500	4000	3800
CS 1050 LLR	6	1050	23.5	7900	4200	4000
CS 1200 LLR	8	1200	29.5	9500	4500	4000
CS 1400 LLR	8	1400	29.5	9700	4500	4200
CS 1500 LLR	10	1500	38	11000	4500	4000
CS 1800 LLR	12	1800	48	12500	4500	4000
CS 2100 LLR	14	2100	60	14000	4500	4000

For other models, sizes & ratings contact us.

The right to make design changes is reserved, the shown dimensions are indicative & non binding.

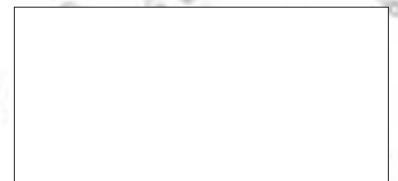


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Represented By:



Subject to design modification as a result of technical progress.