Mini Jet Sample Dyeing M/C

DAELIM Starlet Co., Ltd

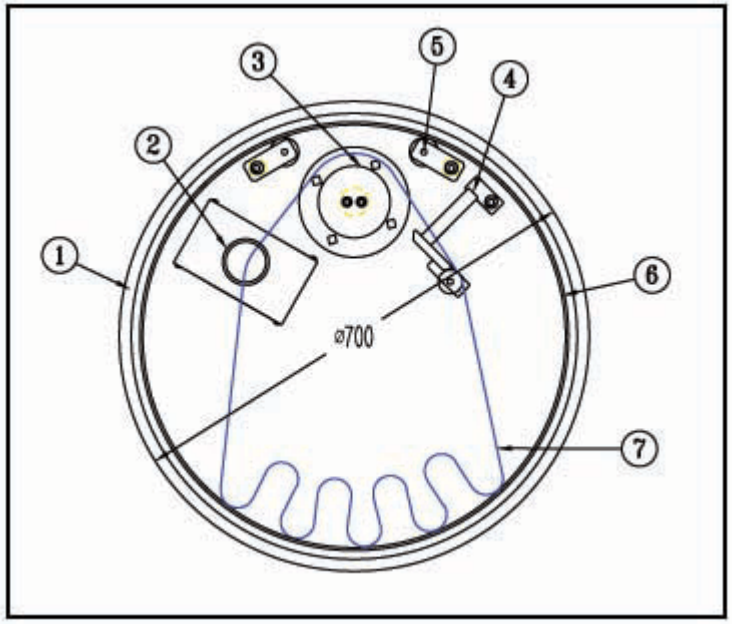
FEATURES

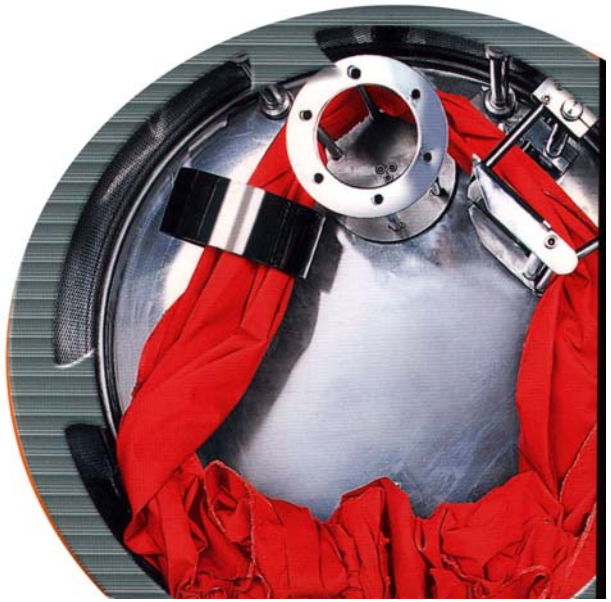
- Can provide samples that buyer's wants and needs.
- Easy operation by using a touch screen.
- CPU-fully automatic.Alarm system can easy to find any mechanical problem.
- Easy to start/finish the operation and able to set the operation in advance.
- Speed of fabric circulation can be easily controlled by program.
- Displays the current and setting temperature.
- Reduced fabric damage by using liquid dyeing method.
- The data from this M/C can be applicable to the spot directly.
- Can dye 2 ~ 10 yards.

SPECIFICATION

- Temp controller : Digital PID program control
- Temp range : 20 ~ 140^{o}C
- Temp sensor : PT 100Ω
- Fabric speed : 4 ~ 30m/min
- Heating system : Electronic heating system +4^{o}C/min
- Cooling system : Water circulation system -3^{o}C/min
- Liquor content : 16 ~ 40lit
- Liquor ratio : 8:1~20:1
- Heating capacity : 3kw(By Steaming)
- Pump motor : 2.2kw
- Dimension : 1400(W) X 900(D) X1850(H)
- Nozzle : Ø90, Ø110

1.Dyeing vessel





1) Dyeing vessel : ID Φ700

2) Nozzle : changeable with Φ90, Φ110 as each fabric.

Inverter driving installed at Pump can easy to control the water q'ty.

3) Drawing reel : driven by Geared motor and controlled by Inverter.

It designed to control the circulation of dyeing fabric.

4) Fabric guide : The angle can be changeable to smooth the fabric flow.

5) Guide roller

6) Inner drum : Minimize the tension by circulating

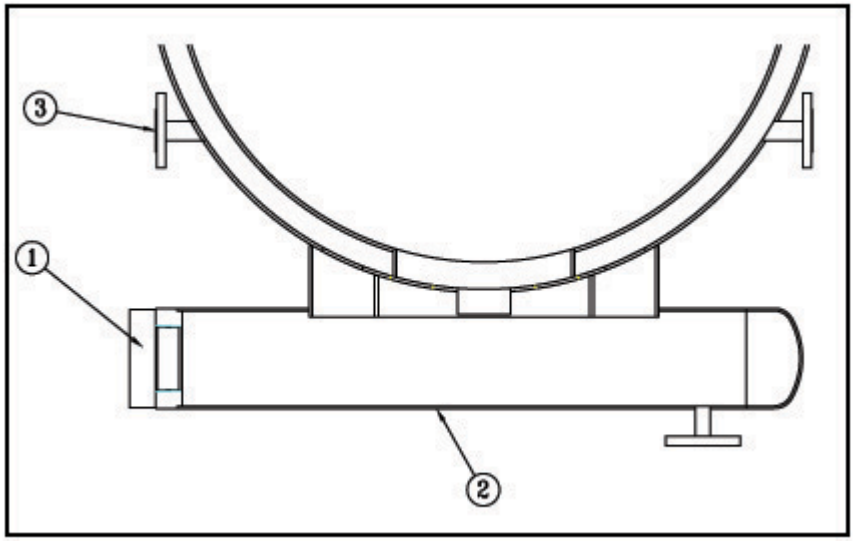
7) Dyeing fabric

2. Heat exchanger

- The electric heater or Steam used to heat as usher or spot conditions.

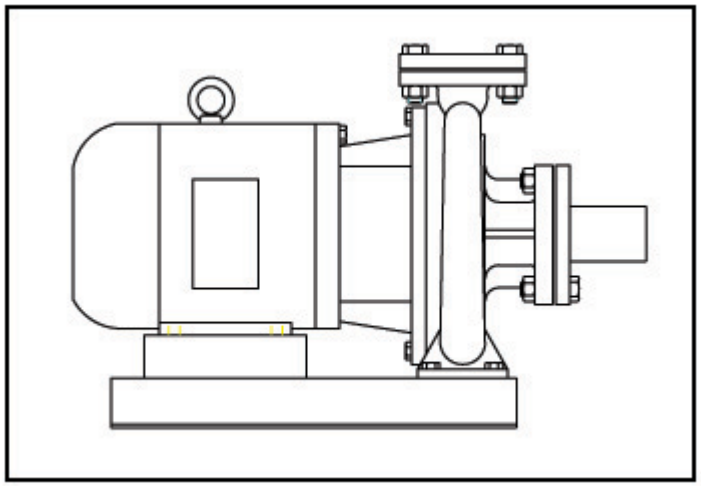
  The heating time to $20^{o}C$~$130^{o}C$ is for 30min,
- The cooling time to $130^{o}C$~$80^{o}C$ with $20^{o}C$ of water is 15min.

1) If Electric heat (12kw)
2) Basic-Steam Heating
3) Heat exchange body
4) Cooling inlet



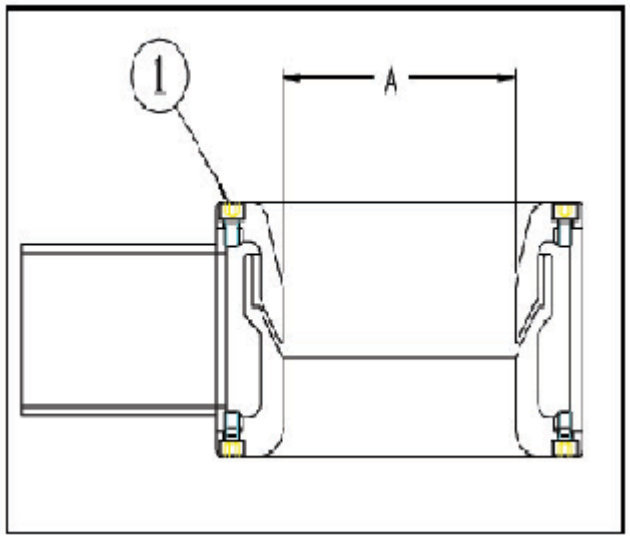
3. Circulation pump

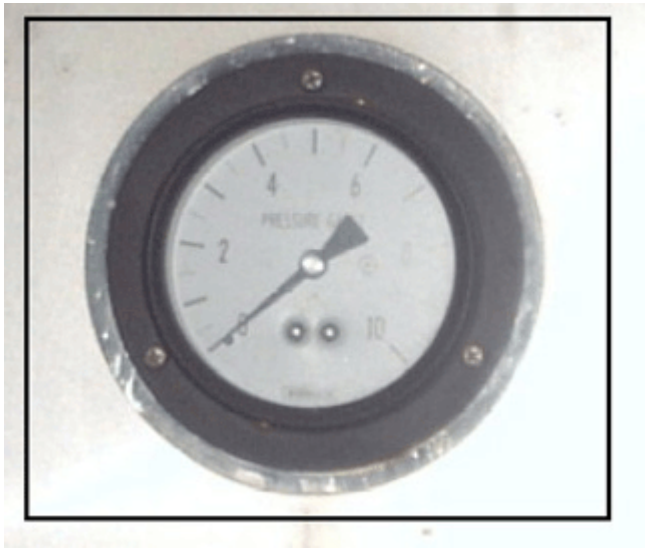
- The circulation pump is high pressured centrifugal pump.
- The inverter installed circulation pump can easy to control the pressure of Nozzle and drive motor more safety.
- It consist of Stainless steel casing & Impeller.
- Driving motor is 2.2kw x 4p.
- New special designed pump in M/C can minimize the Liquor ration 1: 6. (The Liquor ratio of General other sample dyeing machine is 1 : 25)



4. Nozzle

- Nozzle (A) can be changed with Φ70, Φ90, Φ105 as fabric weight.
- When Change and clean Nozzle, loosen a bolt No.①
- The below picture is pressure gauge indicating the pressure of nozzle.





5. Dye & Chemical Tank

- With the manual valve ①, dissolve chemical or dye using the circulated heat water.
- Dye supply order :

  a) Dissolve chemical or dye of chemical tank(②5lit)

  b) Open the valve (③)

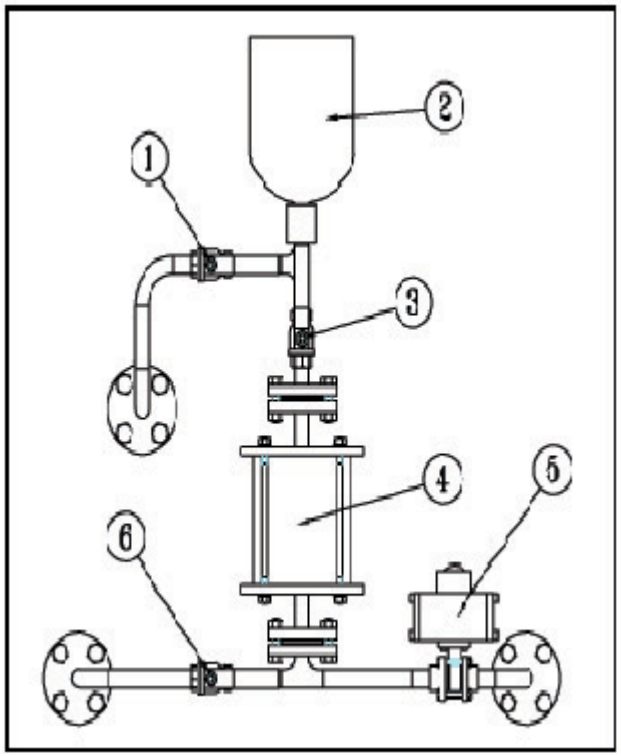
  c) Carry to the tank (④)and give pressure for 0.5kg/㎠

  d) Open automatic valve (⑤)

  e) Feed into chemical tank as a supplying time curve of the program

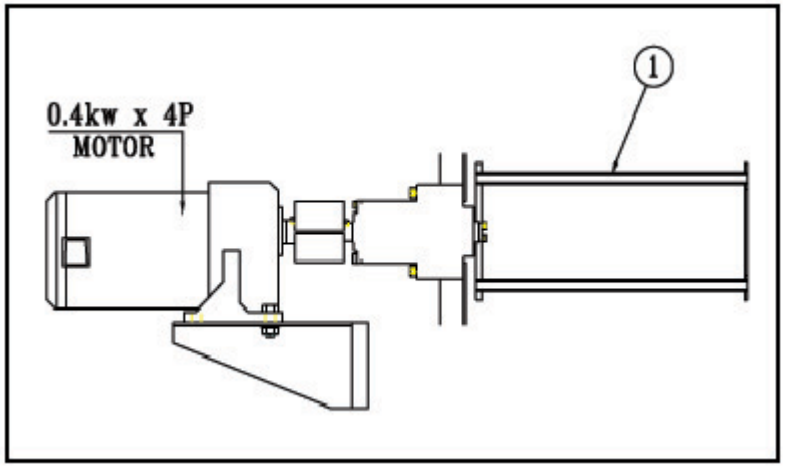
  f) When clean remains inside tank, use the drain valve (6)

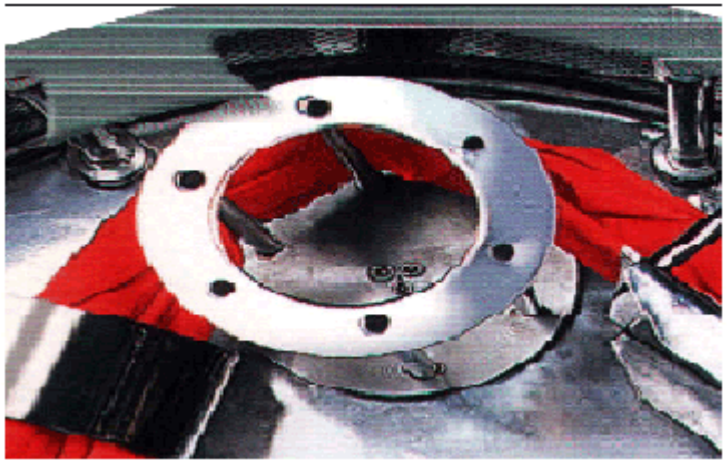
< refer to the picture next page >


1
2
3
4
5
6

6. Drawing reel

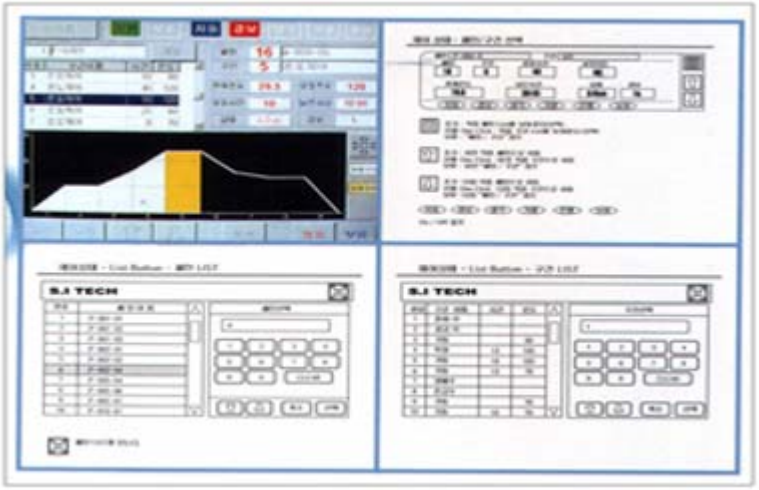
- This reel helps fabric carrying.
- Can drive to the forth and reverse.
- Reel(①) consist of square pipe.
- Controlled by Inverter
- Easy to see the speed at Digital screen of operating program.





7. Control system

- Controlled by Program Window 98
- The all dyeing process can be seen at touch screen
- The user only supply fabric and next process of Scouring, Dyeing, Washing is done by program.
- The program manual is indicated at window.



8. Water feed in system

- Tank(80lit) installed
  at the upper of M/C.
- Only set up the figure on
  the feed level gauge,
  Water is automatically fed
  into tank as the setting point
  at the gauge
- ex) If setting 25lit at lever gauge,
  25lit water feed into tank and
  valve automatically closed.