

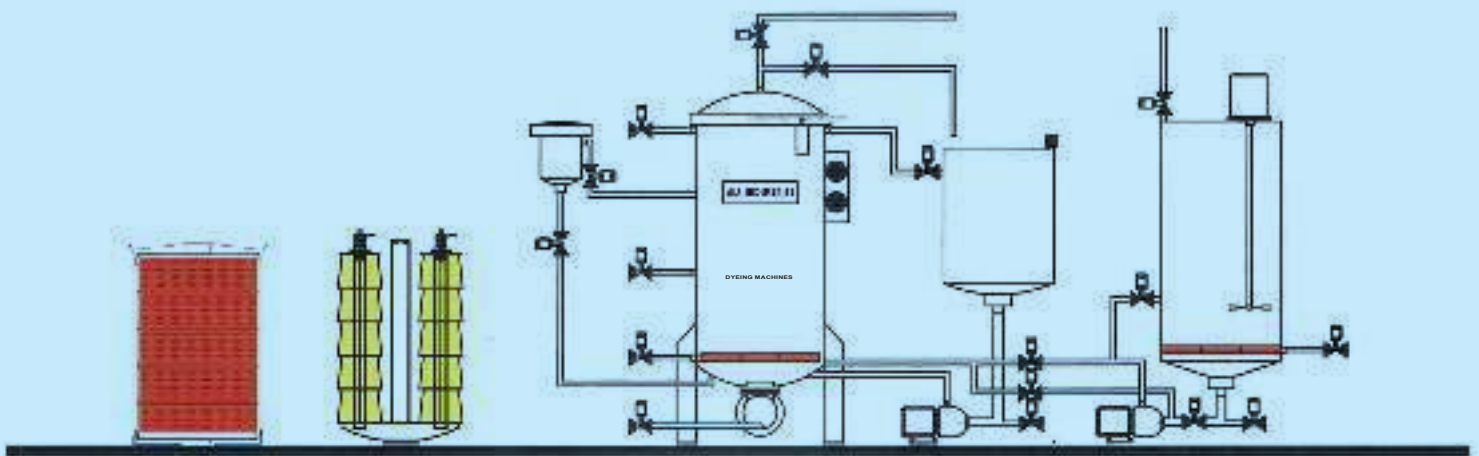


Vertical Type HTHP Cone Dyeing Machine

HTHP Vertical Yarn Dyeing Machine is one of best selling machines since it's introduction. Precision engineered High Temperature High Pressure Vertical Yarn Dyeing Machine have become the first choice of dyeing plant through out the Textile Dyeing industry with us having technical experience of around 25 years.

HTHP Vertical Yarn Dyeing Machine has been designed for dyeing Polyester, Cotton, Viscose, Nylon, Acrylic, Texturised, Wool & all natural and man made fibers in various forms like Cone, Tape, Zipper, Hanks, Ribbons, Tops & Loose Fiber.

These machines are offered for capacities from 5 kg - 1000 kg per batch.

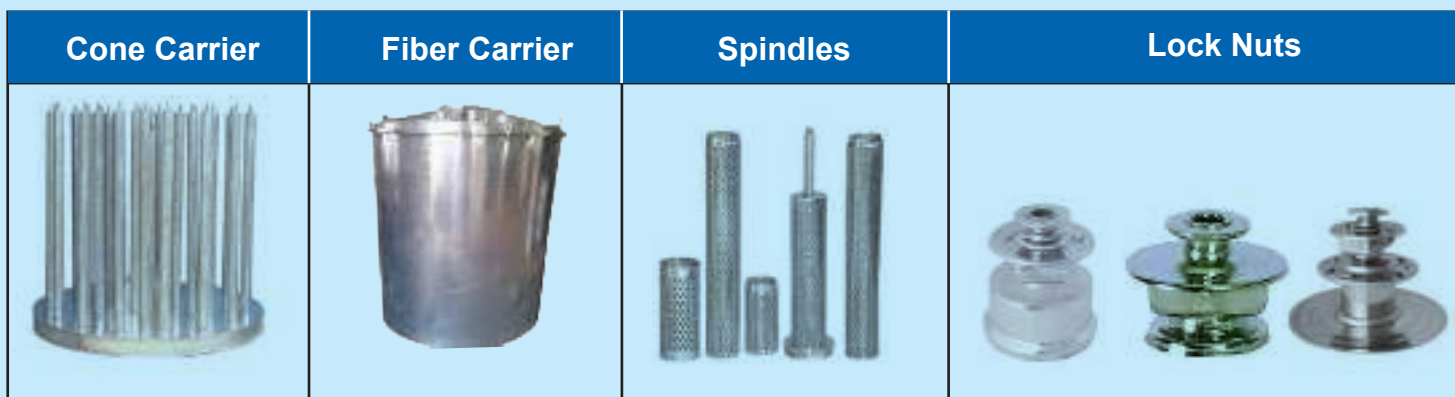


Technical Specification

MODEL	ALS 5	ALS 10	ALS 20	ALS 50	ALS 100	ALS 200	ALS 300	ALS 400	ALS 500	ALS 800	ALS 1000
Max. Batch (Kg)	5	10	20	50	100	200	300	400	500	800	1000
Electric Power (Hp)	5	7	9.5	12	17	28	33	43	53	78	103

- We reserve our rights to make any changes without prior notice
- Batch capacity of the machine may vary according to the material i.e. Polyester, Cotton, Viscose, Tape, etc.
- Electric Power mentioned above is of turbo pump fitted with Electric motor and dozing pump
- Scope of delivery and technical specification of the product supplied shall be in accordance with the contract

Accessories



Features

- Machine and all parts which is contact with the dye liquor are made of AISI SS 316Ti/316L, highly corrosion resistant.
- Turbo Pump for liquor circulation (In-out & Out-in) with Inverter drive for varying speed.
- Fully Automatic PLC with Sedo 2600 model Programmer
- Semi -Auto DP 02 model Programmer
- MLR of 1:6 (Fully Flooded) 1:5 (Air pad System).
- Air pad system to insert air manually into the machine to create static pressure and to minimize the liquor ratio.
- Addition tank with injection pump for dozing the dye liquor into the machine.
- High efficient heat exchanger inside the machine having no heat loss.
- HT Draing-the machine can be drained at 130°C.
- Sampling pot for checking the dyeing result while machine is in operation.
- Pneumatically operated Top lid open/Close.
- Human/Machine Safety Interlocks.

Optional Features

- Fully Automatic (PLC), Semi-Auto.
- Multiple fill, Multiple drain.
- Various Carriers, Spindles, Locknuts.

Advantages

- Compact arrangement of ALS Dyeing Pump, Heat Exchanger and piping is the main key to floor space saving.
- MLR of 1:5, Consumes less dyestuff, Chemicals, Steam, water & Produces less effluent discharge, hence it's ECO Friendly & reduces the Production Cost.
- Inverter driven turbo pump for variable flow control; saves upto 40% power consumption hence more Energy Efficient.
- HT Drain at 130°C for oligomers elimination during Polyester dyeing process
- Variable loading with Dummies & Air pad maintains constant MLR & Flow Rate
- Interchangeable dyeing carriers for Cones, Loose Fiber, Muffs, Tops, Bobbin, etc.
- Excellent dyeing result and levelness, reduces yarn loss.
- Water level, Pressure, distinctive temperature multiple safety interlock, ensure operational safety.

Technical Data

- Maximum design pressure 5.2 bar
- Maximum design temperature 140°C
- Heating gradient 25°C-130°C approx at 5°C/min.
(Dry saturated steam pressure at 7 bar)
- Cooling gradient 130°C-85°C approx at 3.5°C/min.
(Cold water of 25°C at 3 bar)



Service

**Sales Service and Consultancy Even Through Tele
Assistance Service in Real Time**

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