

OH系列高温溢流染色机机械参数

Mechanical Parameters of OH Series

型号 Model	管数 Number of tubes	载量 Loading Capacity(kg)	主泵功率 Main Pump Power	行机功率 Running Power	外形尺寸(长×宽×高) Dimension(length×width×height)
OH-300-1	1	300	5.5	13	3500×5400×3200
OH-300-2	2	600	7.5	19	4800×5400×3400
OH-300-3	3	900	15	26	5900×5400×3400
OH-300-4	4	1200	18.5	34	7100×5400×3400
OH-300-6	6	1800	30	47	9500×5400×3400
OH-300-8	8	2400	45	56	12500×5400×3400

所列规格如有改良或修正, 不再另行通知。

Specification subject to change without further notice

UH系列常温溢流染色机机械参数

Mechanical Parameters of UH Series

型号 Model	管数 Number of tubes	载量 Loading Capacity(kg)	主泵功率 Main Pump Power	行机功率 Running Power	外形尺寸(长×宽×高) Dimension(length×width×height)
UH-300-1	1	300	5.5	13	3500×5400×3200
UH-300-2	2	600	7.5	18	4800×5400×3400
UH-300-3	3	900	15	24	5900×5400×3400
UH-300-4	4	1200	18.5	32	7100×5400×3400
UH-300-6	6	1800	30	44	9500×5400×3400
UH-300-8	8	2400	45	52	12500×5400×3400

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OH系列高温环保节能染色机

OH Series High Temperature Energy-saving Dyeing Machine

UH系列常温环保节能染色机

UH Series Normal Temperature Energy-saving Dyeing Machine



技术数据

Technical Data

- 浴比：1:3.5~5
- 运行速度：450米/分钟
- 最高工作温度：140°C
- 最高工作压力：0.36Mpa
- 升温率：25°C-100°C平均5°C/分钟，100°C-130°C平均2.5°C/分钟（干燥饱和蒸汽压力0.7Mpa）
- 降温率：130°C-100°C平均3°C/分钟，100°C-85°C平均2°C/分钟（冷却水压力0.3Mpa，温度25°C）

- Liquor Ratio: 1:3.5~5
- Operating Speed: 450m/min
- Maximum working temperature: 140°C
- Maximum working pressure: 0.36Mpa
- Temperature heating rate: 5°C per minute on average from 25°C to 100°C, 2.5°C per minute on average from 100°C - 130°C (Pressure of dry saturated vapor: 0.7Mpa)
- Temperature cooling rate: 3°C per minute on average from 130°C to 100°C, 2°C per minute on average from 100°C to 85°C (Cooling water pressure: 0.3Mpa, 25°C)

染棉参数

Parameter of active dyes for cotton

- 耗水：大约50吨/吨布（中深色）
- 耗电：大约95度/吨布
- 蒸汽：大约1.8吨/吨布
- 助剂：大约节省50%用量

- Water consumption about 50ton/ton fabrics (middle and dark color)
- Power consumption about 95°C/ton fabrics.
- Steam consumption about 1.8ton/ton fabrics.
- Auxiliaries consumption saving 50%

适用布种范围广

Applicable to various fabrics

1. 加工面料：棉、莫代尔、粘胶、天丝、人造丝、羊毛、晴纶、莱赛尔纤维、尼龙、涤纶混纺及莱卡混纺。
2. 特别喷嘴结构，使织物一直处于松懈展幅状态，有效解决密度大、易产生折痕等织物的染色问题。
3. 双条面料进布功能

1. Cotton, Modal, Viscose, Tencel, Rayon, Wool, Acrylic, Lyocell, Nylon, Polyester Blended and lycra blended.
2. With a specially-designed nozzle structure, it enables the fabrics in loose and expanded conditions during the dyeing process. It has an excellent performance in dyeing tight and heavy fabrics and can eliminate the crease mark problem.
3. Two rope loading capability

配合各项新技术，性能卓越

Excellent Performace by using new technologies

1. 立式换热器能及时排净冷凝水及染液，缩短冷热转换消耗时间，同时避免水垢形成，延长换热器使用寿命，减少时间和能源消耗。
2. 优化主泵进口管道，使吸口更低，用水更少。
3. U型布槽加十字摆布方式，比同机型之染缸装载量增加20%，降低了成本。同时保证面料在运作过程中无缠绕现象。
4. 超前的染色控制系统，配合双重均衡加料系统，恒压和恒流量喷嘴控制，使织物染色达到良好的均染性和重现性。
5. 降低机身与操作高度，放弃巨型工作台，操作方便。独特缸底设计能有效减少储水，降低浴比。
6. 独特主缸循环系统，使主缸上下温差控制与加料的均匀性控制在最佳状态。
7. 主缸清洗采用旋转喷射方式，缸身全方位都在清洗范围内，清洗更彻底。

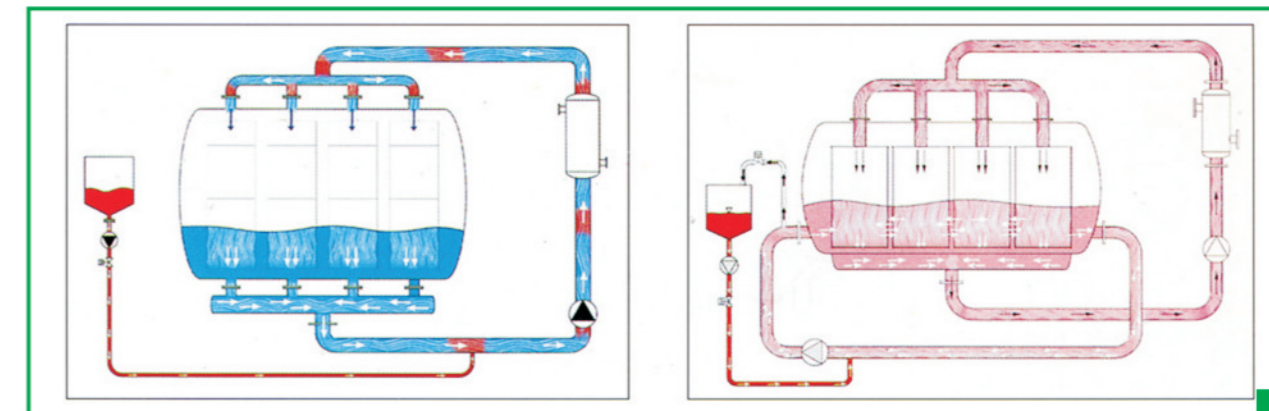
1. The vertical heat exchanger enables the condensated water to be drained instantly and reduces time in the shifting between hot and cold water. Also, it can avoid the formation of water scale, extend the service life of heat exchanger.
2. The inlet pipe of the main pump is optimized, the height of water inlet is lowered and hence the water consumption is reduced significantly.
3. The U-shaped fabric tank and synchronized fabric plaiting system increase the loading capacity by 20%. Meanwhile, by plaiting in mutple directions, tangling problems can be completely avoided.
4. Leading dyeing control system, in combination with dually balancing flow feeding system and constant pressure and stable flow rate, a uniform dyeing is guranteed.
5. The height of machine and operation platform is lowered and size of the operation platform is reduced, making operation much more convenient. The bottom of the dye vat is specially designed so as to reduce water storage and lower liquor ratio effectively.
6. With unique main vat circulation system, the temperature difference of entire dye vat from top and bottom and evenness of feeding is controlled at optimum conditions.
7. Rotating spray is adopted for main vat cleaning and the whole vat is within the range of cleaning, ensuring a thorough cleaning.

环保高效、节约能源、省时省人工

Eco-friendly, energy-saving and high-efficiency

1. 超低浴比，省水环保。
2. 与传统染机比，元明粉、助剂和蒸汽的耗量节约50%。
3. 装机容量小，合理节省耗电量。
4. 快速染色循环，大大提高生产率。
5. 操作和维护简便，有效节省人工。

1. Extremely low liquor ratio reduces the water consumption greatly.
2. Compared with traditional dyeing machine, the salt, auxiliary and steam consumption are saved by 50%.
3. Lowest insalled power, hence lowest electrical energy consumption.
4. Faster dyeing cycle, hence enhanced productivity.
5. User-friendly operation and easy maintenance



传统液流方式 Conventional flow

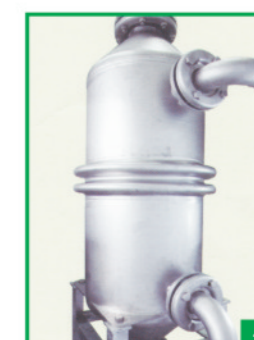
新型液流方式 Innovative translational flow



盐桶
Salt Addition Tank



立式离心泵
Vertical Centrifugal Pump



立式热交换器
Vertical Heat Exchanger



碎毛收集器
Lint collector

染液纵向运行(图①)

染液纵向运行多向抽吸系统，极大地降低了浴比并增加了溶液的均匀度。

定量桶配化盐功能/备选(图②)

可定量注入工业盐，适合为浅至中色及对盐相对敏感的织物，作后加盐工艺安排。

立式离心泵(图③)

低吸口设计，设泵前过滤器保护。行机浴比更低，节省整体浴比：一体式结构省却了轴承座及联轴器，自身冲洗冷却，节省冷却用水。

立式热交换器(图④)

能快速排净冷凝水及染液，缩短冷热转换耗时，并能避免水锤产生及水垢的形成，延长使用寿命。

碎毛收集器/备选(图⑤)

自动刮毛器与碎毛收集器合为一体及节省安装位置及减少染液。减轻人工刮毛所消耗时间。

Dye liquor runs longitudinally (pic 1)

Longitudinal running of dye liquor and multidirection suction system greatly reduces the liquor ratio and optimizes the evenness of dye liquor

Salt Addition Tank/optional device (pic 2)

The salt tank is of new filling functions, ensuring faster and smoother filling.

Vertical Centrifugal Pump (pic 3)

The height of the water inlet of the main pump has been lowered and thus the water consumption has been reduced significantly. The integrated structure can dispense with bearing block and coupling to save cooling water.

Vertical Heat Exchanger (pic 4)

It enables the condensated water to be drained instantly and reduces the time duration in shifting between hot and cool water. Meanwhile, it can avoid the formation of water scale, extend the service life of heat exchanger.

Lint collector /optional device (pic 5)

The integration of automatic stripper and lint collector can save installation space, economize dye liquid and shorten the manual stripping time.