

TH-UQ系列常温常压喷气液染机

TH-UQ SERIES
Normal-Temperature and Pressure Jet Dyeing Machine



同华染整机械有限公司自主研发的TH系列型常温喷气液染机，在继承气流染色和喷射染色优点的同时，更加显现出节水、节蒸汽及节电优势。独立染液循环和气流循环系统，与提布辊构成了提高织物循环过程的匀染和抗皱性的条件，使得织物能够在较短的时间内完成匀染过程。

该机适用于纤维素纤维、聚酰胺（锦纶）纤维类的针织物和梭织物在常温下的染色、前处理及后处理。适用织物克重范：70~500g/m²。

The TH series of normal-temperature jet dying machine independently researched and developed by WUXI TONGHUA DYEING & FINISHING MACHINERY CO., LTD. Not only inherits the advantages of airflow dying and jet dyeing, but also displays the advantages of water saving, steam saving and electricity saving. The independent dyeing liquor circulation and air circulation system constitute the conditions of even dyeing and wrinkle resistance during the fabric circulation along with filleting, to make the fabric fulfill even dyeing within relatively short period of time.

The machine is suitable for the dyeing, pre-processing and post-processing of knitted fabrics and woven fabrics in cellulose fiber, polyamide fiber. The fabric weight range is 70~500g/m².

◆ 主要技术特点

- ★ 风机额定功率比传统气流雾化染色机降低二分之一
- ★ 染液喷射与气流喷射分别作用于织物，充分保证织物的匀染性，抗折皱性和工艺的重现性
- ★ 织物提升高度低，减少织物张力，尤其是弹力织物，可减少张力对弹力纤维的损伤
- ★ 专利设计的低升温速率控制染液循环系统，可有效控制低升温速率，特别适用于敏感色染色
- ★ 喷射气流对织物可产生更好的纬向扩展，使得紧密度高的针织物不产生折痕
- ★ 多组染液喷嘴形式，可满足不同纤维织物的染色工艺

◆ Main Technical Features

- ★ The fan rating power is reduced by a half compared to traditional airflow atomizing dyeing machine.
- ★ The dyeing liquor jet and airflow jet are respectively used for fabrics, which can fully guarantee the even dyeing of fabrics and show the wrinkle resistance and craft once again.
- ★ There is little space of improvement for fabrics, which can reduce the tension of fabrics; especially elastic fabrics, so as to reduce the damage of tension on elastic fibers.
- ★ The patent lower heating rate can control the dyeing liquor circulation system, which can effectively control the lower heating rate, which is especially suitable for the dyeing of sensitive colors.
- ★ The jet airflow can make the fabrics better expand broad-wise, which makes the knited fabrics with high compactness free from wrinkles.
- ★ It also offers multiple groups of dyeing liquor nozzle can satisfy the dyeing craft of multiple fiber fabrics.

◆ 主要技术参数

- ★ 最高工作温度（℃） 98
- ★ 管数 1、2、3、4、6、8
- ★ 浴比范围 1：3-1：4
- ★ 织物线速度（m/min） 70~500
- ★ 使用蒸汽压力（MPa） 0.4~0.6

◆ Main technical parameters

- ★ Maximum working temperature（℃） 98
- ★ Number of tubes 1、2、3、4、6、8
- ★ Bath Ratio Range 1：3-1：4
- ★ Fabric Linear Velocity(m/min) 70~500
- ★ Steam Pressure(Mpa) 0.4~0.6

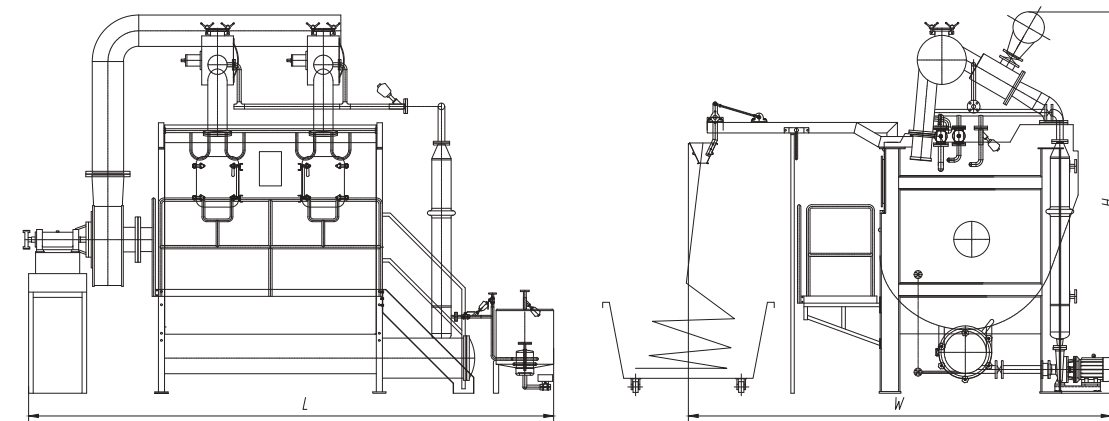
◆ 选用配置

- ★ 预热水辅缸
- ★ 多配加料桶
- ★ 自动除毛器

◆ Optional Configuration

- ★ Preheating water auxiliary cylinder
- ★ Multiple distribution bucket
- ★ Automatic hair catcher

◆ 机器主要规格 Main specifications of machine



★ 标准型 Standard

型号 Model	管数 Number of tubes	最大容布量 Max.Capacity (kg)	外形尺寸 Dimension		
			L(mm)	W(mm)	H(mm)
TH-UQ-1	1	250	4800	4700	4200
TH-UQ-2	2	500	6000	4800	4300
TH-UQ-3	3	750	7200	4800	4300
TH-UQ-4	4	1000	8400	4800	4300
TH-UQ-6	6	1500	11200	4900	4400
TH-UQ-8	8	2000	14000	5000	4500