

SOQ系列高温高压气流染色机

SOQ series HTHP Airflow Dyeing Machine



产品介绍

◇ 新世代气流染色机的运作原理是利用气体动力混合染液进行染色。由于采用气体作为驱动织物的动力，织物可以在无液体的状态下运行；使气流染色机可以用最小量的染液进行染色。带动织物的气流与喷咀出来的染液混合在一起成雾状均匀地喷洒在织物表面上，良好的渗透使织物获得最优秀的染色效果。

超低及恒定浴比

- ◇ 浴比可低至1:2及1:4。
- ◇ 机台装载量由50%-100%，浴比均可保持恒定不变。

匀染性高

- ◇ 织物在滑溜的铁氟龙棒内槽内的运行顺畅，没有缠绕。
- ◇ 织物被空气承托，减低运行时张力。
- ◇ 专利设铁氟龙喷咀，雾状染液均匀地喷洒在织物表面，获至最佳染色效果。

喷淋式水洗

- ◇ 独特喷淋式水洗系统，比传统的浸浴式水洗能节省大量用水及缩短水洗时间。

没有折痕

- ◇ 织物可在高速下运行，缩短染色循环时间。
- ◇ 强大的气流混和染液渗透织物，使敏感织物染色时出现折痕的机会减至最低。

Features

- ◇ The new age airflow dyeing machine works on the principle of the aerodynamic dyeing, i.e. dyeing by mixing the dyestuffs with airflow. When the fabric transport takes place by means of airflow, the fabric can run without liquor, thus consuming the minimal quantity of dye liquor. The airflow mixes with the dyestuffs and subsequently the liquor is atomized and evenly sprayed onto the surface of the fabric. This is to ensure a high penetration of the fabric and consequently achieve the excellent dyeing effect.

Extreme low and constant liquor ratio

- ◇ Liquor ratio can be as low as 1:2 and 1:4 depending on the types of fabric.
- ◇ Constant liquor ratio even with fabric loading from 50% to 100%.

Evenly dyeing

- ◇ Smooth fabric running on teflon rods storage chamber with no entanglement.
- ◇ Low tension of fabric by air suction support transportation.
- ◇ Even distribution of dye liquor by means of air spray with new patented design nozzle.

Rinsing system

- ◇ Fabric rinsing by using shower instead of conventional water bath, saves huge amount of water and shortens the rinsing time.

No crease mark

- ◇ High fabric speed (up to 600m/min) and short circulation time.
- ◇ High penetration by using the blend of airflow and dye liquor sprays onto the fabric surface, thus minimize the chance of crease mark.

SOQ系列高温高压气流染色机

SOQ series HTHP Airflow Dyeing Machine

低浴比带来的效益

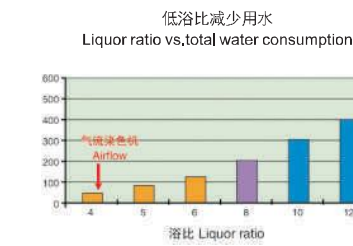
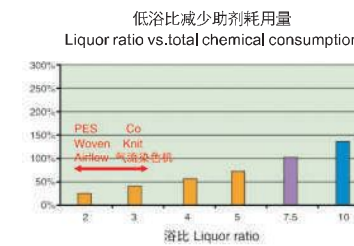
- ◇ 首缸成功率高
- ◇ 重现性高
- ◇ 染料吸色率高
- ◇ 节省染料及助剂
- ◇ 降低总耗水量及排污处理成本
- ◇ 节省蒸汽耗用量

节约能源及成本

- ◇ 超低浴比可节省大量染料、助剂、水及其他能源，大大降低运营成本。
- ◇ 最新设计喷咀系统可节省大量能源及确保织物运行顺畅。

喷淋式水洗

- ◇ 淋浴式水洗，耗水量小 ◇ 多重功能，可以同时完成 ◇ 水洗
- ◇ 升温及降温 ◇ 注料



气流染色机(容量: 900kg) 900kg New Age Airflow	全载量 Full Loading		半载量 50% Loading
布种 Types of fabric	化纤梳织织物Woven PES	棉针织物Knitted Cotton	棉针织物Knitted Cotton
织物吸水量 Fabric Pick up	900 ltr	2700 ltr	1350 ltr
过滤器容量 Filter Volume	400 ltr	400 ltr	400 ltr
染料及助剂用量 Chemicals+Dyestuff	500 ltr	500 ltr	250 ltr
染色用水量 Starting LR	1800 ltr	36000 ltr	2000 ltr
最终浴比 Final LR	1:2	1:4	1:4.4