

SGM38系列常温常压溢流染色机

SGM38 Series Normal Temperature Dyeing Machine



产品介绍

- ◇该系列机型是新一代环保染色机，采用最新的双涡流式喷嘴系统及环保式染液循环系统，能在极低浴比1:6时处染织物。它的开发融合了最新的科技及制造工艺，是最能迎合当今市场需求挑战的设备。
- ◇机器载布量分：50kg、100kg、250kg、500kg、750kg、1000kg、1500kg、2000kg等。

主要技术特点

- ◇最新织物提升系统，避免褶皱产生：织物提升系统由提布辊组成，提布辊与涡流咀的对角采用了最合理的设计，减少褶皱的产生。
- ◇涡流双喷嘴适应性强：织物在运行中受到的张力冲击降至最低，使织物不起毛，纱支不歪裂，而弹性得以保持，适合高、低密度布料染色。
- ◇摆布系统，增加容量，减少缠结。
- ◇织物与染液分离及回收系统、节省能源，减少助剂，缩短工艺时间，提高成本效率。
- ◇浴比：1:6
- ◇最高速度：350m/分
- ◇最大容量：250KG/管
- ◇最高工作温度：98℃
- ◇升温率：平均5℃/分钟(以0.7MPA干燥饱和蒸汽压力计)
- ◇冷却率：98℃-85℃，平均2℃/分钟(以25℃0.3MPA冷却水压计)

Description

- ◇As a new age environmental protection dyeing machine, it adopts the latest dual vortex nozzle system and environmental protection dyeing liquid circulation system, can conduct dyeing at quite a low liquor ratio of 1:6. Combining the latest science and manufacturing technology, it most caters for the challenge in the current market demands.
- ◇Loading capacity: 50kg, 100kg, 250kg, 500kg, 750kg, 1000kg, 1500kg, 2000kg etc.

Key Technical Features

- ◇Newest fabrics lifting system to avoid creases: Fabric lifting system consists of cloth lifting reel tank. With optimal design in the diagonal angle between cloth lifting reel and vortex nozzle, creases is reduced to minimum.
- ◇Excellent adaptability of vortex dual nozzle: The tension impact fabrics endures in movement is reduced to minimum, which avoids pilling and slanting of fabric while maintaining flexibility. It is suitable for dyeing of high/low density cloth.
- ◇Fabric plaiting system: It enlarges capacity and decreases twisting.
- ◇Fabric and dyeing liquid separating and recycling system: saves energy and additives, shortens technology time and improves efficiency.
- ◇Liquor ratio: 1:6
- ◇Max. Fabric speed: 350m/min
- ◇Max. Capacity: 250kg/chamber
- ◇Max. Working temperature: 98℃
- ◇Heating rate: Average 5℃/min (saturated vapor pressure at 0.7MPa)
- ◇Cooling rate: 98℃-85℃, Average 2℃/min (cooling water at 25℃ 0.3MPa)

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不锈钢精制高效率节能慢速泵浦，使用寿命更长久。
The efficient low speed pump made of stainless steel makes life cycle longer.

大容量可编程微电脑控制器(或由客户指定厂牌配置)
自动化程度高，从进水、启动、升温、保温、降温、水洗、加药、搅拌、回水、洗桶、排水、报警、程序完成等均可编入染程作全自动控制。

Large memory microprocessor controller(customer can choose preferred brand)
Fully automatic.
All related action in dyeing process(e.g water inlet, start main pump, heating, temp maintain, cooling, rinsing, chemical tank feeding, mixing, run back, wash tank, drain, alarm, process finish) can be programmed and controlled.

标准结构

- ◇机器所有与染液接触部分均采用优质抗腐蚀不锈钢制造
- ◇储布槽内铺高强度铁氟龙管
- ◇高效不锈钢离心泵，变频软启动
- ◇数字式转速表配变速提升马达，由变频器驱动
- ◇配备加料泵，控制阀门系统和搅拌器的加料桶
- ◇高效热交换器及可更换式过滤器
- ◇多芯控制电缆
- ◇内置摆布装置
- ◇马达驱动喷淋清洗装置
- ◇备用过滤器
- ◇出布装置
- ◇不锈钢工作平台
- ◇双级可调式喷嘴
- ◇水位显示及控制器
- ◇气动控制加热，冷却、进水和排水阀门

Typical structure

- ◇Machine body and all parts in contact with dye liquor made of corrosion resistant stainless steel
- ◇Fabric storage unit is laid with high-strength teflon pipes.
- ◇Heavy duty stainless steel centrifugal pump with motor driven by frequency inverter.
- ◇Intinitely variable speed lifter feel driven by frequency inverter controlled motor with speed indicator
- ◇Service tank with feed pump, control valves and stirrer
- ◇Heat exchanger and replaceable filter
- ◇Multi-core control cable
- ◇Internal plaiting system
- ◇Spray rinsing system
- ◇Spare filter
- ◇Take off device
- ◇Service platform
- ◇Adjustable nozzle
- ◇Level indicator and controller
- ◇Pneumatic control valves for heating, cooling filling and drain.

技术参数 Technical parameters

机器规格及型号 Machine specification and Model	容布量 Loading capacity(kg)	管数/槽数 Number of Chambers	装机功率 Power capacity(KW)	外形尺寸(长×宽×高) Dimension (length×width×height)
SGM38-50	35-50	1/1	10.25	3570×2000×2300
SGM38-100	70-100	1/1	12.35	3570×2500×2570
SGM38-1	175-250	1/1	10.7	4500×2330×3920
SGM38-2	350-500	2/2	19.3	4500×3580×3920
SGM38-3	525-750	3/3	24.5	4500×4630×3920
SGM38-4	700-1000	4/4	29.5	4500×5180×3920
SGM38-6	1050-1500	6/6	47	4500×7100×3920
SGM38-8	1400-2000	8/8	59	4500×8650×3920