

Detailed technical indicators and parameters

1. Instrument name: Chinese calligraphy and painting and textile cleaning device

(I) Equipment specification and quantity:

device name	Model / specification	major dispositions	use	work environment
Chinese calligraphy and painting and spinning Woven cleaning device	FHX -ZHQX -2 1000*1000*860mm	Automatic control system; humidifier; Water heater; cleaning the host;	Cleaning, softening, and Repair the paper-based cultural relics	Configuring water supply and drainage; Voltage of 220V
Chinese calligraphy and painting and spinning Woven cleaning device	FH X -ZHQX -4 1500*1000*860mm	Automatic control system; humidifier; Water heater; cleaning the host;	Cleaning, softening, and Repair the paper-based cultural relics	Configuring water supply and drainage; Voltage of 220V
Chinese calligraphy and painting and spinning Woven cleaning device	FHX -ZHQX -6 1800*1200*860mm	Automatic control system; humidifier; Water heater; cleaning the host;	Cleaning, softening, and Repair the paper-based cultural relics	Configuring water supply and drainage; Voltage of 220V
Chinese calligraphy and painting and spinning Woven cleaning device	FHX -ZHQX -8 2100*1200*860mm	Automatic control system; humidifier; Water heater; cleaning the host;	Cleaning, softening, and Repair the paper-based cultural relics	Configuring water supply and drainage; Voltage of 220V

This device is a special equipment for cleaning and repairing ancient books, ancient paintings, paper objects, rare manuscripts and textiles.



(II) Model numbers and specifications:

Model: FHX-ZHGX-2 Specification: 1000 * 800 * 860 mm

Model: FHX-ZHGX-4 Specification: 1500 * 1000 * 860 mm

Model: FHX-ZHGX-6 Specification: 1800 * 1200 * 860 mm

Model: FHX-ZHGX-8 Specification: 2100 * 1200 * 860 mm

(3) Material: all stainless steel SUS304 material

(4) Principle: wet cleaning, direct discharge of sewage.

(5) Cleaning articles: suitable for cleaning ancient calligraphy and painting, and can also be used for cleaning and humidification of damp cotton, wool, hemp, silk textiles and paper products.

(VI) Function:

1) Cleaning function of dust, sewage, oil, mud, ink, blood, mildew, rust, stains, etc.; cleaning function of harmful substances (fine, bacteria, suspended matter, and organic compounds);

2) Stripping and leveling of thermal insulation function;

3) The dust and excess oil color on the surface of the new calligraphy and painting can also be cleaned by this machine;

4) Partition cleaning function;

5) Double-sided cleaning function.

(7) Performance parameters

Maximum cleaning size: 800600mm; 1300800mm; 16001000mm;

19001000mm; internal vacuum (maximum): -600Pa

Maximum suction volume: $150\text{m}^3/\text{h}$

Water consumption (maximum): $1\text{m}^3/\text{h}$

Ultrasonic frequency shall not be less than 45KHz

Continuous maximum hot water dosage: 40L / time

Hot water temperature: 65°C

Water quality: pure water filtration precision: $0.4\ \mu\text{m}$

Noise: 50dB (A) vibration: $<15\ \mu\text{m}$

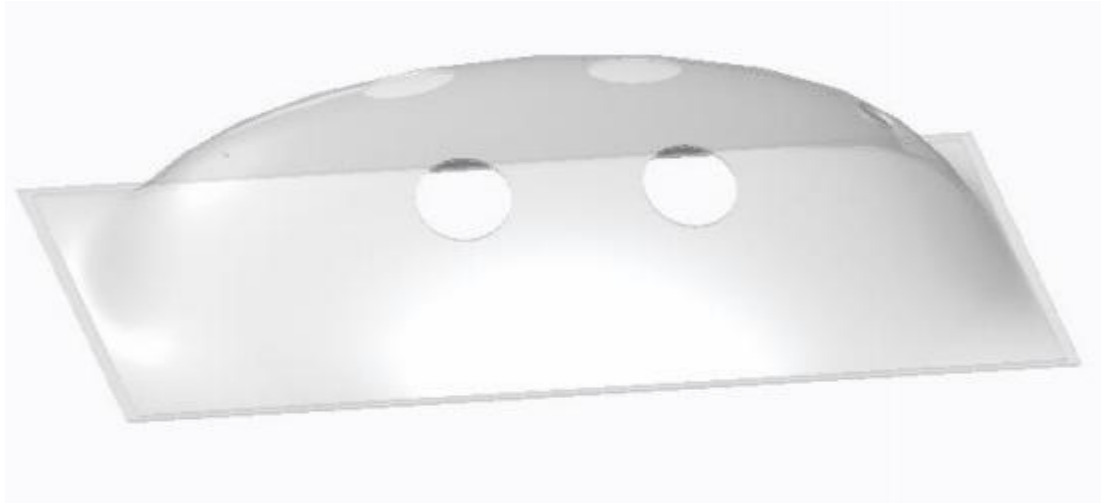
(8) Equipment composition

1. One set of unit body- -Brand: Zhengzhou Fenghua



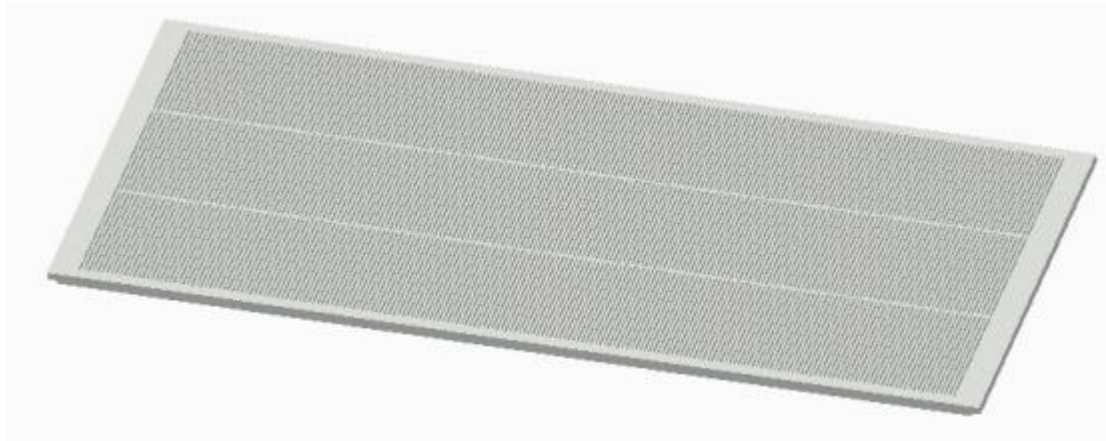
304 Stainless steel material, brushed surface treatment, scratch-resistant, wear-resistant; Q235-A 1.5 cold plate, classic surface spray plastic (lake blue); 6063 aluminum profile.

2. 1 set of machine cover- -Brand: Mitsubishi, Japan



5mm Clear acrylic, acrylic is required after plastic absorption.

3. 1 set of filter device- -Brand: Zhengzhou Fenghua



16mm 304 stainless steel plate is molded, surface brushed.

4. 1 vacuum suction device- -Brand: Germany Siemens 3KW Siemens vacuum suction pump. Intramural vacuum (Maximum): -600Pa, maximum suction volume: 150m³Water consumption at / h (maximum): 1 m³ / h.
5. One steam generator- -Brand: Panasonic, Japan
6. 1 ultrasonic generation device- -Brand: Japan Panasonic ultrasonic frequency is not less than: 45KHz, continuous maximum hot water consumption: 40L / time.
7. 1 hot water production device- -Brand: Feisman, Germany
8. One set of control cabinet- -Brand: Zhengzhou Fenghua
9. 1 set of equipment bottom platform- -Brand: Zhengzhou Fenghua
10. Composition of pipeline system, etc
11. Disinfection equipment (standby)

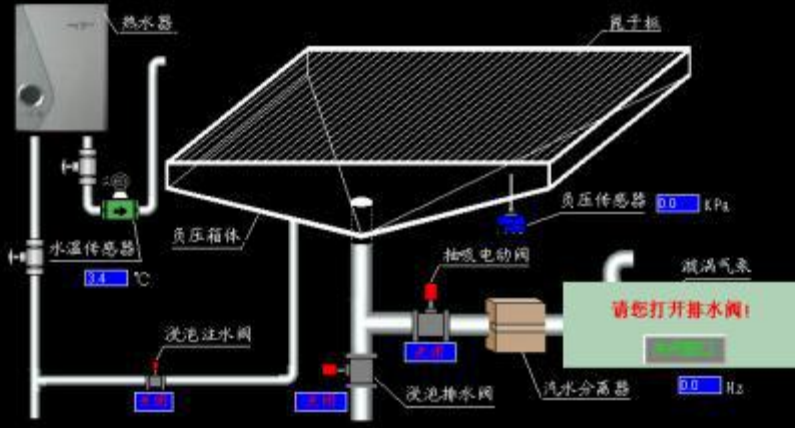
Except for the vacuum suction device, control cabinet, hoisting equipment and pipe system, other equipment forms an integrated unit. The hood can be removed separately; the equipment sets up automatic control and manual control.

(IX). Working principle:

To clean all the painting and calligraphy, paper objects, good and textiles on the surface of the cleaning device, however, after open the negative pressure suction system, open the water heater, then holding the nozzle can spray water cleaning objects, if painting and calligraphy, paper objects, good and textiles for age and serious adhesion, can be organic glass cover on the cleaned objects, and then the ultrasonic humidifier open wet, so that the adhesion serious

objects under the action of wet air gradually soft, finally adhesion
objects uncovered without damage, after the single page can be
cleaned or repaired.

中国字画清洗装置



负压抽吸清洗过程



加湿器控制

状态指示: 停止
 模式选择: 手动控制 自动控制
 温度设定: 50.0 %
 温度显示: 45.2 %
 湿度显示: 3.8 °C

抽吸及浸泡控制

运行指示: 停止
 模式选择: 手动控制 自动控制
 手动频率: 00.0 Hz
 负压设定: 10.0 KPa
 负压显示: 0.0 KPa

热水器控制

状态指示: 停止
 水温显示: 3.4 °C

退出