

QC Series Laboratory Deionized Water Machine Instructions

Dear customers,

Thank you for choosing thousand Qclean brand QH series energy-saving high purified water equipment

The water treatment equipment is the water treatment field holds the leading position which you have. It produced pure water can satisfy you the demand of the experiment of pure water, to ensure long-term, stable and reliable quality. Before you install and use ion pure water machine, we recommend that you read the manual carefully. It can make your installation qualification, specification, maintenance and reasonable, so that the pure water machine play the greatest efficiency, ensure that you receive a steady stream, reliable quality of pure water

If you have any difficulties in the process of installation, please contact the our company engineer, our professional staff will serve you wholeheartedly!



introduction

1. The main function of ultra pure water machine characteristics

Ultra pure water equipment is using the current international most advanced technology of RO, RO membrane

is a kind of using pressure drive makes the reverse osmosis membrane separation of water molecules. Because of its surface aperture 0.0001 microns (0.1 nm), so it can effectively remove impurities of bacteria in water, soluble salts, organic matter, heavy metal ions and microorganisms, bacteria, harmful substances such as pesticide residues. Water after RO filter can remove more than 90% of the ions in water and other soluble solid, this greatly reduce the follow-up of ion exchange column load (pure water), thereby reducing the number of replacement of ion exchange resin. After the pure water, water resistivity can reach 10 m Ω . Cm. Can meet most of the high water quality requirements of enterprises and units, schools and research institutions.

The whole process for fully automatic computer control system of water, after open the power switch, when raw water pressure is low or the water valve closed system, automatic stop, automatic low pressure protection, high downtime.

Outlet pipe installation online water quality monitor, so you can understand the situation of water quality at any time.

Functional features

- ① Full automatic self-washing
- ② Cut off the water intelligently if leaking
- ③ poor water quality indication
- ④ multi-protection and two types of water connector, which could provide both

Level III water labs

- ⑤ Use the tap-water as the water supply and can use for various water quality

⑥ Double wavelength UV sterilization system

Technical parameters

Model	Q-10C	Q-20C	Q-30C
Rated voltage	AC220V 50HZ	AC220V 50HZ	AC220V 50HZ
Working voltage	DC24V	DC24V	DC24V
Rated power	30W	40W	50W
Standby power	<3W	<3W	<3W
Rated capacity	(10L/H)	(20L/H)	(30L/H)
Inflow water conductivity	<300us/cm	<300us/cm	<300us/cm
Outflow water conductivity	≥18.2MΩ.cm	≥18.2MΩ.cm	≥18.2MΩ.cm
Raw water pressure	0.2-0.5MPa	0.2-0.5MPa	0.2-0.5MPa

Notice:

Inflow water TDS > 200 PPM, high hardness of source water area suggest matching external softener.

2. Ultrapure water machine all parts function introduced

① 2861 filter element

2861 filter in front Pre-Processing filter can effectively remove the water more than 5 micron suspended solids, such as clay, sand, rust, lichen, etc, and other large solid impurities.

② 2862 filter element

It can effectively remove the organic matter in the water, smell, methane, pesticide, fertilizer, residual chlorine and by-products, in order to achieve the level of RO membrane after water requirements, residual chlorine can cause unrecoverable damage to 3564 filter.

③ 2863 filter element

2863 filter for pre-filter core, small diameter can further remove the water particles,

suspended matter and colloid

④ Low voltage switch

When the water pressure of 1.5 kg/cm², switched on, the normal operation of the machine;When water, or water pressure

can not reach 1.5 kg/cm², the device automatically cut off power supply, and there is light on microcomputer control box display.

⑤ supply electrovalve

When power on, the tap water after water solenoid valve, make the system of normal water pure water machine;When the machine stopped after cutting off water, stop the water in the past, through the condensed water discharged.

⑥ High pressure pump

To tap water pressure up to 5-8 kg/cm², in order to meet the 3564 filter system pressure and flow rate of water demand

⑦ Rinse solenoid valve

Automatic control by machine(computer board) , Ultra pure water machine cumulative work 7.5 hours, an electricity, high pressure large flow of RO membrane washing, flushing time is 1 minutes and 40 seconds.

⑧ 3564 filter

3564 filter aperture 0.0001 microns can remove impurities

such as bacteria, viruses, heavy metal ions in water, after 3564 cartridge, the water more than 90% of the ions and other soluble solids can be effectively removed.

⑨ 3065 filter

3564 filter after most of the ion and water soluble solids are removed, and then after 3065 fine filter element, water production resistivity can be up to 18.2 m Ω • cm cm (conductivity were 0.06 us/cm) above.

installation method (Please read this manual before installation) 安装前准备

1.Preparation before installation

①Confirm installation location

◆ Installation position should be from the water not too far, too far water can increase the use of pressure pipe, a waste of resources or pipe wasn't long enough.

◆ power supply near the installation location.

◆ The installation position is on a firm and level ground to prevent the machine from sliding.

②Installation tools

◆ monkey wrench

◆ scissors

2.Installation instructions (Please close the water inlet switch) 安装

①inlet three-way pipe and Inlet ball valve 进水三通

②Connection of water inlet pipe 进水管连接

there are four holes on the right side of the machine,

◆ water inlet,

◆ Pure water outlet,

◆ Waste water outlet

◆ Spare



③electrical schematic(Users do not need to install, the factory has been debugged)

debug method 调试

After confirming the water connection, open the total valve of the water, and then debug.

Please follow the following steps.

①Connecting power supply

Take out the power cord, connect the power supply and the machine,Make sure the voltage is AC220V.

②Open the inlet valve

③Turn on "start" switch

Turn on "start" switch.At this time high pressure pump start,A few minutes later, the waste water is discharged.After about 90 seconds, the microcomputer automatically closes the flushing solenoid valve, after a short period of time, the deionized water will flow out from the tap.

④Debug qualified

After the machine running stability,Check whether the leakage of the interface.And check the Water quality display data of the water outlet of the electric conductivity meter.