SC-206

Marine salinity controller (salt meter)

User Manual

File Version: V23.5.15

SC-206 using the standard ,easy access to PLC，DCS and other instruments or systems for monitoring salinity state quantities.The internal use of high-precision sensing core and related devices to ensure high reliability and excellent long-term stability,can be customized RS232,RS485,CAN,4-20mA,DC0~5V\10V,ZIGBEE,Lora,WIFI,GPRS and other output methods.

Technical Parameters

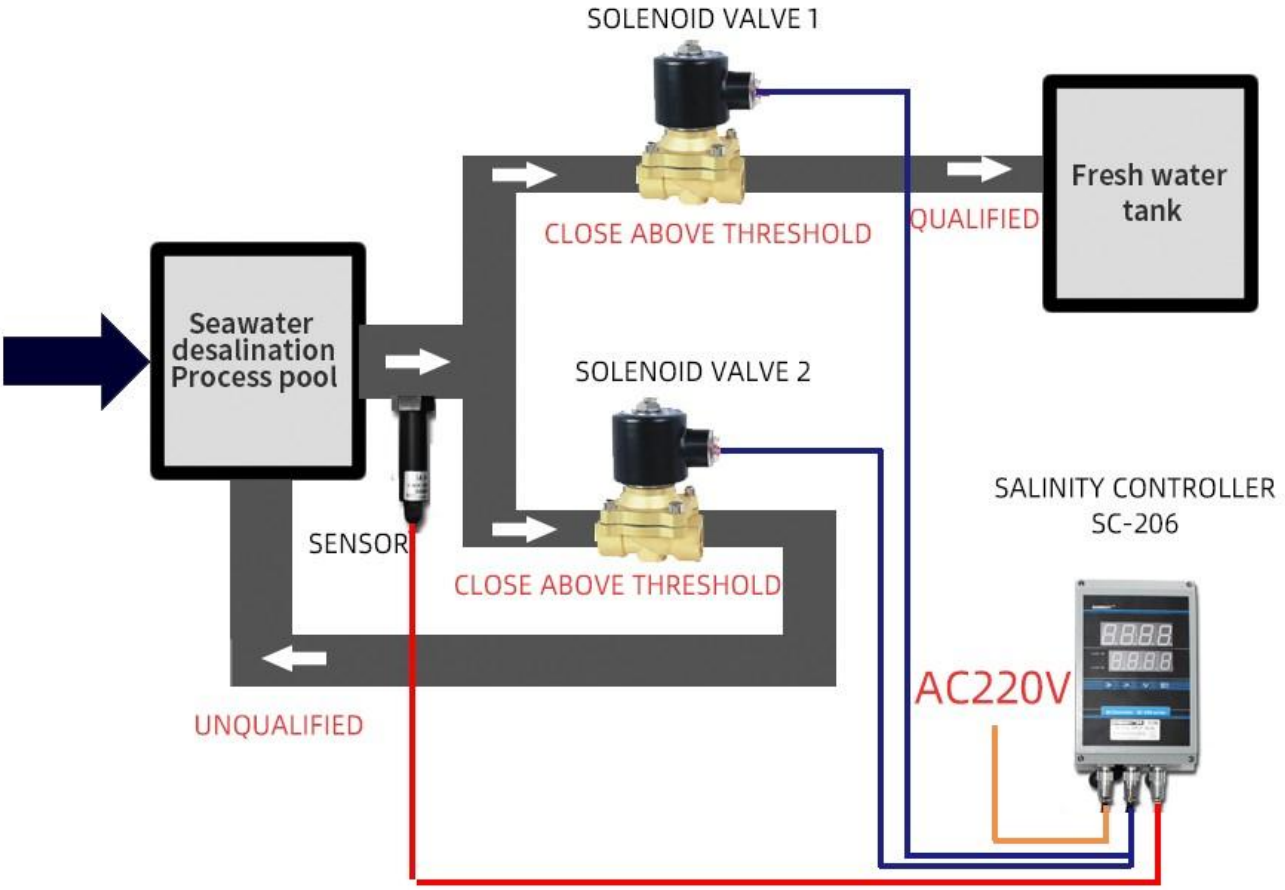
Technical parameter	Parameter value
Brand	SONBEST
Salinity range	0~10% or 0-10000ppm
Salinity accuracy	±3%
Power	AC185~265V 1A
Display	LED

Product Size

In the case of broken wires, wire the wires as shown in the figure. If the product itself has no leads, the core color is for reference.

Application solution

Freshwater manufacturing application scheme



Principle:
1、If the outlet salinity of seawater desalination process tank is lower than the set value, solenoid valve 1 is opened,
Solenoid valve 2 is closed, and qualified fresh water flows into the fresh water tank;
2、If the outlet salinity of seawater desalination process tank is higher than the set value, solenoid valve 1 is closed,
Solenoid valve 2 is opened, and unqualified dilute water flows back to the process tank;

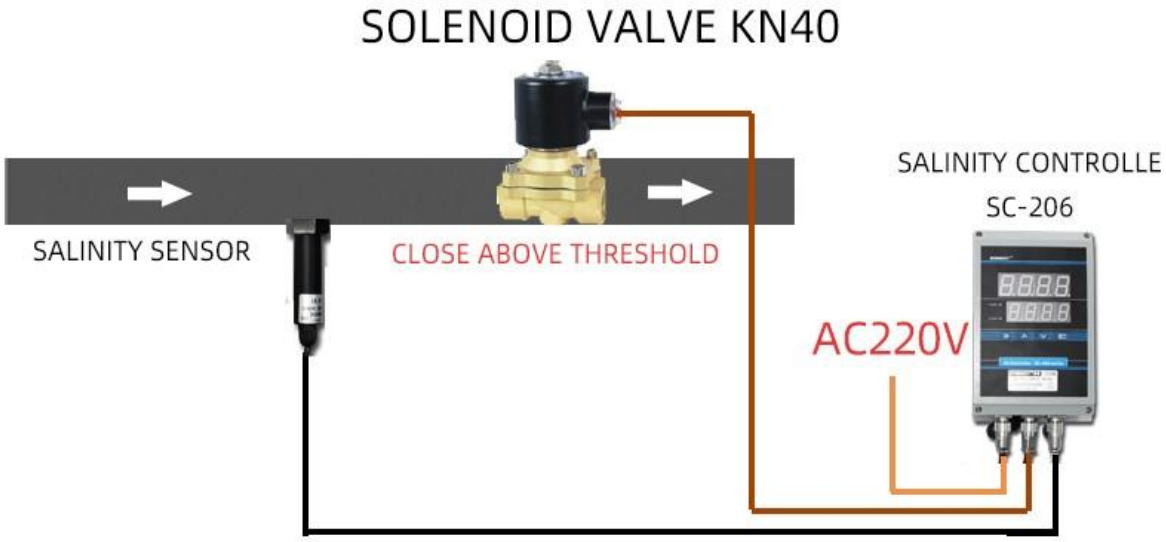
Salinity control diagram of fresh water manufacturing factory

When the salinity value at the outlet of seawater desalination tank is less than 0.9, it is considered as Qualified fresh water can flow when solenoid valve 1 is opened and solenoid valve 2 is closed Into fresh water tank; When the salinity value at the outlet is greater than 1, it is unqualified, and solenoid valve 2 is opened,Solenoid valve 1 is closed, and fresh water still flows back to the desalination tank.Control system AH1=0.9 AL1=1.0 AH2=1.0 AL2=0.9 The water inlet and outlet can also be controlled by two sets of equipment.

The schematic diagram of water inlet and outlet control is shown below:

Control principle:
When the salinity of the water inlet is less than the set value (fresh water), the solenoid valve is normally open and the fresh water flows out normally When the salinity of the water inlet is higher than the set value, the solenoid valve closes, closes the threshold value, and prevents water from flowing out

Schematic diagram of influent salinity control for fresh water manufacturing



Control principle:
When the salinity in the reservoir is less than the set value (fresh water), the solenoid valve is normally open and the seawater flows normally
When the salinity at the water inlet is higher than the set value, the solenoid valve will close and close the threshold value to prevent seawater from flowing in

How to use?

It can be used for fresh water control on board, saltiness control of pickle production process in pickle factory,

Product List

One set of salinity controller

certificate

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