

A&I RO膜清洗系统

产品描述

RO膜使用一段时间后，膜表面会残留外来的污染物，包含了钙、镁离子、碳酸根离子、有机微生物胶体等等，会造成结垢阻塞，易使RO膜之回收率、脱盐率降低，过滤能力下降。

SCHW提供A&I RO膜清洗系统，可以帮助RO膜清洗悬浮颗粒，微生物和矿物质所造成的膜表面结垢。通过A&I RO膜清洗系统，RO膜可以被清洗并再使用，节省换购新膜之成本。



A&I RO清洗系统特点

- 1、提供离线RO药洗功能，可在不影响系统运作下，达到清洗的功能。
- 2、自由选择清洗序号，并随需求扩充，只要安装完成即可自动清洗。
- 3、结合(PLC)程式监测及控制，可监测如导电度、流量计、压力等数据，并可客制化清洗程序，调整为所需模式，避免药剂的浪费并达确效完成。
- 4、即时线上监控确效，并提供清洗数据记录，以利资料整合管理，提高RO系统操作维护的效率。

型号	电压/功率	尺寸
A&I ROC-6	380V/11KW	L2500*W2000*H2300
A&I ROC-12	380V/11KW	L3000*W2000*H2300
A&I ROC-18	380V/11KW	L3500*W2000*H2300
A&I ROC-24	380V/11KW	L4000*W2000*H2300
...**

*上述所有型号使用相同的控制系统，系统一次最多能够控制24支膜的清洗
 **清洗机架可按客户意愿以6的倍数扩充



快拆式膜管，方便RO膜的拆装



客户定制单次清洗24支离线清洗装置

离线控制装置电气控制柜



离线清洗装置监控画面



“Automatic & Intelligent” RO Membrane Cleaning System

Product Description

Reverse osmosis membranes can be impacted by contaminants such as calcium, magnesium, bicarbonate ions as well as organic microorganisms that build up on the membrane surface during a period of operations. These deposits can cause loss in output and/or rejection levels and reduce total system performance.

SCHW offers A&I RO Membrane Cleaning system, which can help remove suspended solids, mineral scale and microorganisms fouling on your membrane elements. By means of A&I RO Membrane Cleaning System, the membranes can be reused to save the replacement cost.



Features of A&I RO Membrane Cleaning System

1. Off line RO cleaning function enables system keep running without stopping.
2. Free choice of combined RO pressure vessels for cleaning, it can be tagged with RO membrane serial numbers. Single/multiple RO auto-cleaning ability flexible for extension as desired.
3. PLC control to detect electrical conductivity, flow rate, pressure etc...Clean process can be programmed to meet specific cleaning requirements.
4. Real-time online monitoring system. Cleaning records will be stored for future analysis to improve RO system efficiency.

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...**

*All models share the same control system, it handles up to 24 elements at one time.

**Can be expanded by multiples of 6 as customers' requirements



One step put on/off of RO membrane pressure vessel end cap, be convenient for taking out/putting in RO membranes



Customized A&I RO Membrane Cleaning system in operation (24 elements RO membranes cleaning in one period)

Control system electrical control cabinet



A&I RO Membrane Cleaning system monitoring screen