Introducing the AC350 & AC700

Antistatic Device

eFLOW® Series 2020 New Product

AC350 / AC700

Maximum flow rate of treated water

3600 L / hour **7000** L / hour

Stable control of the resistivity value

DIC original hollow fiber gas permeable membrane and bypass method, and the adoption of a Japanese-made resistivity sensor realizes stable resistivity management and simple operation.

Large capacity

Maximum treated water flow rate
AC350 - **3600** L/h AC700 - **7000** L/h
Can be connected to 12-inch dual spindle dicing equipment
AC350 - **3** units AC700 - **6** units

DIC Original CO2 gas Injection module

The DIC original hollow fiber gas permeable membrane used inside the module dissolves CO2 gas efficiently, so wasteful consumption of CO2 gas can be reduced.

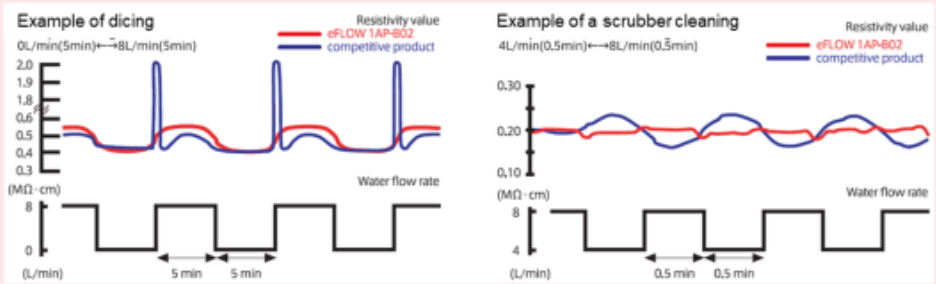
Characteristics

- A low failure rete due to the mechanism without complicated control
- An original stable pipe distribution system, enabling easy control of the resistivity value
- Long life of the CO2 injection module

Effects

- Prevention of "reattachment of dust" by static electricity
- Prevention of substrate pattern "destruction by static electricity"

Performance / Characteristics



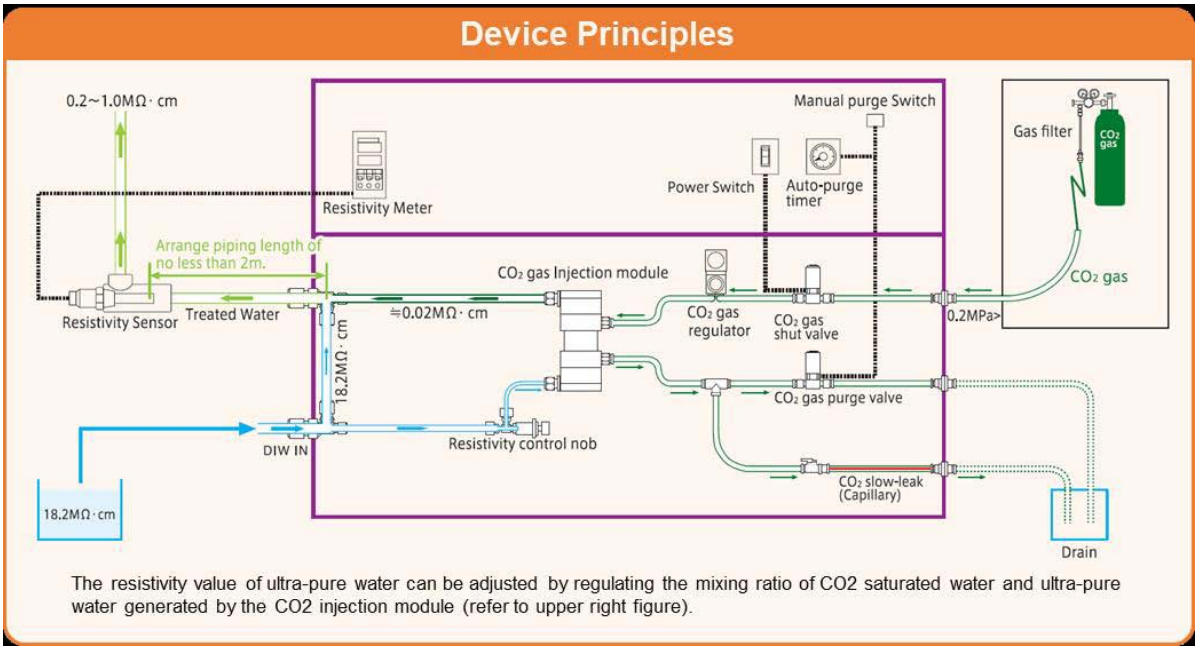
※The performance of the resistivity value while changing the flow rate is not guaranteed.
※Each graph described above is reference data. Performance and characteristics may vary with operating conditions.

Features and Specification of the AC350 & AC700

Model	AC350	AC700
Range of flow rate of treated water	300 ~ 3600 L/h	300 ~ 7000 L/h
Connection size	Rc1	Rc1・1/2"
Module	PF-04-SP4 x1	
Range of resistivity setting	0.2 ～ 1.0 MΩ・cm	
Stability during constant flow rate	Within ±15% (Stability while changing the flow rate is not guaranteed)	
Fluid to be used	20 ~ 30 C 0.1 ~ 0.4 Mpa *Operating conditions: DI water pressure > CO2 pressure	
Supply water temperature and Pressure range	Supply water: higher quality than RO water Supply gas: CO2 gas (more than 99.5% of purity) Dry air or N2 gas for during *Other fluids cannot used	
CO2 gas supply	Supply from the user side utility Purity: More than 99.5% Temperature: 20 ～ 30 C *Oil free, particle free *To use a gas filter of under 0.3um is recommended	
CO2 gas supply pressure	0.15 ～ 0.2 MPa	
Range of CO2 gas setting	0.05 ～ 0.15 MPa	
Operating environment	20 ～ 30 C	
Temperature of store the device	10 ～ 40 C *Non freezing and no dust	
Material of liquid contact parts	PVC, PFA, PTFE, PP, PMP, PU, EPDM, Titan, SUS316L	
Power supply	Single phase AC100 ~ 240V 50 / 60 Hz 50W	
Warning	Upper and lower of resistivity value, power supply monitoring and water leakage detection	
External dimensions	W600 x D360 x H1190 mm *Not include protrusions	
Dry weight	Approx. 80kg	

*The above specifications are subject to change due to technical changes, Please check when ordering.

*CO2 cylinder and regulator are not included in this machine.



Key Points

1. Stable control of the resistivity value

DIC original hollow fiber gas permeable membrane and bypass method, and the adoption of a Japanese-made resistivity sensor realizes stable resistivity management and simple operation.

1. Large capacity

Maximum treated water flow rate AC350 - 3600 L/h AC700 - 7000 L/h
Can be connected to 12-inch dual spindle dicing equipment
AC350 - 3 units AC700 - 6 units

1. DIC Original CO2 gas Injection module

The DIC original hollow fiber gas permeable membrane used inside the module dissolves CO2 gas efficiently, so wasteful consumption of CO2 gas can be reduced.

* CO2 gas injection module has the ability to be used for 5 years (not guaranteed value)