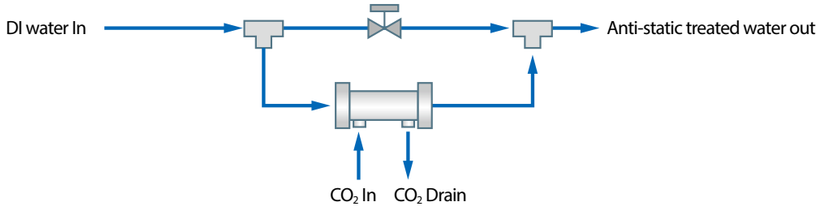
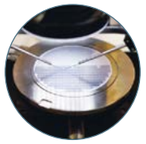
Meritair® CO_2 Injection & Bubbler

Schematic Diagram



Semi-conductor and Display industry require significant amount of deionized water for cleaning process. Dissolved CO_2 in the deionized water reduces electric resistance of the surface of wafers and display glasses, which is necessary to reduce the defect rate of the production line. Airrane provides both CO_2 injection membrane module and CO_2 bubbler device as well.

Key Applications



Ultrapure water for semi-conductor wafer cleaning process
(Scrubber, Lithography, Mask, CMP, Dicing)



Ultrapure water for display glass cleaning process
(Mask, Glass Cleaning)



Applications for anti-static treated water required

AIRRANE Product Specifications

Model Number	Dimension (mm)			Connection (inch)			DI Water
	L	OD	ID	Feed	Retentate	CO_2 In / Out	
MDB-1607P	228	64	50	1/2”	1/2”	1/8”	2.0~15Lm
MDB-2108P	274	76	66	1”	1”	1/4”	15~30L/m

Why membrane for CO_2 injection and bubbler?

- Airrane is a patent-protected membrane manufacturer
- Fast CO_2 dissolution time
- Simple design reduces maintenance requirements
- Real time data transfer system provides user’s convenience

CO_2 Injection Membrane / CO_2 Bubbler

CO_2 Injection Membrane
(MDB-2108P)



CO_2 Bubbler

Performance Diagram

