LOW-ENERGY AERATION SYSTEM



LOW-ENERGY AERATION SYSTEM 《AERSYS》 [**]



Main Application

Treatment of contaminated groundwater and surface water:

☐ AERSYS-VOC

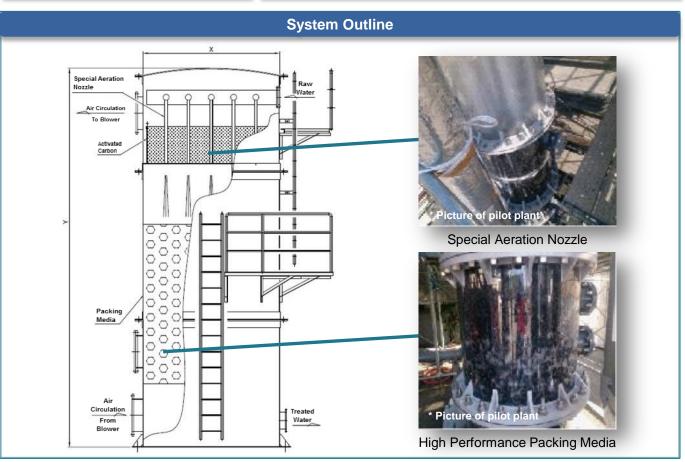
Volatile Organic Compound (VOC) removal

☐ AERSYS-FCD

Free Carbon Dioxide (FCD) treatment

Features

- Innovative 2 stages treatment structure by combining special aeration nozzle and blower
- Only requires blower air/water (A/W) ratio of 20 to remove over 99% of contaminated substance
- Significant cost reduction by saving energy
- → Saving 60% blower energy from the conventional system in the water condition of 20±2 C *
- ➤ High treatment ability by air circulation system regardless of cold season * Data based on the pilot testing by AERSYS-VOC (From our research)



AERSYS-VOC Series

	Model	Treatment Capacity		Diameter (X)	Height (Y)	Domonto
		m³/hr	m ³ /d	mm	mm	Remarks
	VOC0890	42	1000	850	9000	Blower A/W=20 Raw Water Concentration: 0.100 mg/L
	VOC1990	210	5000	1900	9000	
	VOC2690	420	10000	2650	9000	

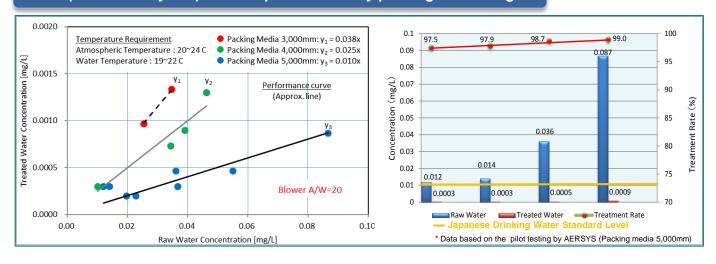
AFRSYS-FCD Series

/ (E1(3) 5 1 CD 5	51105					
Model	Treatment Capacity		Diameter (X)	Height (Y)		
	m ³ /hr	-	m³/d	mm	mm	Remarks
FCD0870	42		1000	850	7000	Blower A/W=20 Raw Water Concentration: 80mg/L
FCD1970	210		5000	1900	7000	
FCD2670	420		10000	2650	7000	

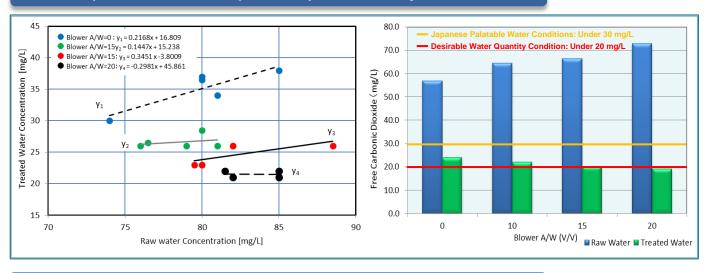
AERSYS Performance



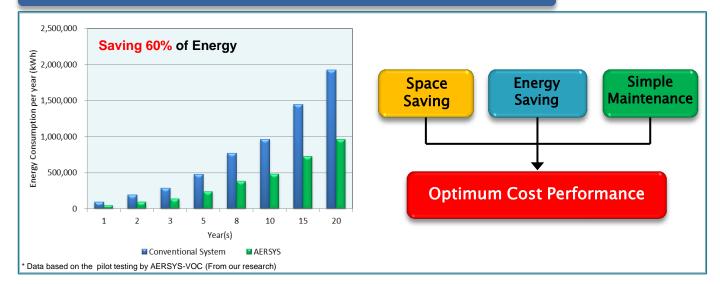
VOC (Trichloroethylene) removal performance by packing media height



FCD (Free Carbon Dioxide) removal performance by blower A/W



Energy Cost Comparison on AERSYS and Conventional System





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[•]Photograph on this brochure will appear different from an actual color in the nature of print ink.

[•]Specification is subject to change without notice due to product improvement.