

Technical Information Sheet

1. Name of technology	High-rate Fiber Filtration (MARIMO)
2. Type of technology	High speed filtration using the specially designed fiber filtration media instead of conventional materials.
3. Description of technology	<p>[Objective and application of the technology]</p> <p>This technology has been developed to save facility space in addition to the consumption of backwash-water and electricity. It can be applied to improve water quality at existing water treatment facilities with minimum investment and to expand the capacity of existing filtration facilities.</p> <p>The most highly recommended application is water supply projects for irrigation and industries.</p> <p>[Characteristics of the technology]</p> <p>Because this technology uses a specially designed fiber media that has a high porosity of more than 95%, the standard operation conditions are as follows:</p> <p>Filtration rate: 1,000 m³/m² per day (3 to 4 times the rate of conventional filtration)</p> <p>Backwash method: Combination of aeration and backwashing by water</p> <p>Backwash rate: Water: 1,000 m³/m² per day Air:</p> <p>Backwash time: 20 minutes</p> <p>Water loss: 2% or less of daily filtrate</p> <div data-bbox="432 920 1217 1294" data-label="Diagram"> </div> <p>[Delivery record]</p> <p>Commercial: 200 or more Public: 20 or more</p> <p>[Price and other inquiries]</p> <p>Overseas Sales and Engineering Department, Overseas Business Division</p>
4. Classification of technology	
(1) Applicable fields	Other environment protection technology
(2) Target waste	Other (sewage and industrial drainage)
(3) Services provided	Plant construction, media and filter unit supply
5. Countries to which this technology can be provided	All countries
6. Keywords	Filtration, fiber filtration, rapid filtration, filtration rate, dead end filtration, water recycle
7. Contact information	<p>Daiki Ataka Engineering Co., Ltd.</p> <p>Overseas Sales and Engineering Department, Overseas Business Division</p>