



Fine Aqua

Nano-bubble generator : over 500 million nano-bubbles in 1 cm³

Tech Corporation.
www.techcorporation.co.jp

The company was founded in 1984 and it has been working on small solutions that make a difference. With its strong R&D capacity, it continues to provide innovation and new applications.

Tech Corporation developed a nano-bubble generator more than 10 years ago. The nano-bubbles of 100 – 300 nm in diameter are very stable in water and free from flotation force (their movement is governed only by the random Brownian motion). Indeed, it takes some years for nano-bubbles to move up 1m.

Since its development, Tech Corporation has explored potential application of the technology. Some of particular characteristics are:

- 1: Nano-bubbles are negatively charged on its surface so the nano-bubble water is a great cleaning agent without any chemicals.
- 2: Nano-bubbles with ozone or CO² can be generated to maximise the oxidation power (with O₃) and the neutralisation (with CO²).
- 3: Nano-bubbles are great oxygen transporter for the growth of plants and microbes, and for the degradation of organic matters.

Nano-bubbles can alter the original properties of a liquid, and Tech Corporation continues to pioneer new application fields.

Fine Aqua series is available in 3 production capacities of 20, 40 and 80 L/min.

