



BSI Standards Publication

Fine bubble technology — Domestic applications

Part 1: Assessment of showerhead devices by evaluating size and concentration indices of generated fine bubbles

National foreword

This British Standard is the UK implementation of ISO 7428-1:2024.

The UK participation in its preparation was entrusted to Technical Committee LBI/50, Fine Bubble Technology (FBT).

A list of organizations represented on this committee can be obtained on request to its committee manager.

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International
Standard

ISO 7428-1

Fine bubble technology — Domestic applications —

**Part 1:
Assessment of showerhead
devices by evaluating size and
concentration indices of generated
fine bubbles**

Technologie des fines bulles — Applications domestiques —

*Partie 1: Évaluation des dispositifs avec pommes de douche par
évaluation des indices de concentration et de la taille des fines
bulles générées*

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Foreword

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Introduction

Fine bubble technology has recently seen growth in its application to markets such as cleaning, water treatment, agriculture, aquaculture and biomedical fields. To clarify the efficacy and the efficiency of fine bubbles, the characteristics of fine bubbles should be evaluated accurately. The most important characteristics of fine bubbles are the number or volume concentration and size indices of the fine bubbles produced by the fine bubble generating systems.

Above all, fine bubble showerhead devices have been extensively used as most popular fine bubble generating devices at home. Therefore, standardization of evaluation for fine bubble showerhead device should be accelerated to maintain the reputation of fine bubble technology as an advanced technology used for consumer products all over the world.

The evaluation method for size and concentration indices of fine bubbles is the basis for fair and appropriate business of fine bubble showerhead devices, which can introduce the dissemination of fine bubble products.

