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**LIGHT INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

QB/T 5379-2019

**The design specification of bolted vitreous and porcelain
enamelled steel tanks for the storage water or treatment of
municipal or industrial effluents and sludges**

用于存储水以及处理市政、工农业污水、污泥的螺栓连接的搪瓷钢板储罐设计规
范

(English Translation)

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What this standard covers

This standard specifies terms and definitions, design documentation requirements, raw materials, loads, design, enamel coating, transportation, installation and disinfection procedures for bolted enameled steel sheet storage tanks. At the same time, the design methods of storage tanks, auxiliary equipment installation and foundation are specified. This standard applies to the storage tanks of enamelled steel plates for storing water or for treating sewage and sludge from municipal, industrial and agricultural production. The tank is assembled using bolted enamel steel plates. It mainly includes: a) the tank body is cylindrical and symmetrical in plane; b) the ratio of the diameter of the tank body to the height of the tank body is in the range of 0.1 to 10; c) the diameter of the tank body should not exceed 100m, and the height of the tank body should not exceed 50m; d) The material stored in the tank has liquid characteristics, that is, the friction force of the material on the tank wall is negligible; the stored material can be water or

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Standards quoted by this document

GB/T 228.1; GB/T 709; GB/T 2828.1; GB/T 3098.1; GB/T 3098.4; GB/T 4956; GB/T 9989.1; GB/T 9989.2; GB/T 9989.3; GB/T 9989.4; GB/T 14683; GB 50010; GB 50011; GB 50461; JGJ 145; SH/T 3528; ISO 8289-2000; EN 1993-1-6; EN 1993-4-1; EN 1993-4-2; EN 14430-2004