

China Engineering Construction Standardization Association

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Technical Specification for Integral Pouring Concrete Filter
Floor and Adjustable Nozzle of Air-Water Washing Filter

气水冲洗滤池整体浇筑板及可调式滤头技术规程

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Technical Specification for Integral Pouring Concrete Filter Floor and Adjustable Nozzle of Air-Water Washing Filter

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Notice on Issuing the Announcement of *Technical Specification for Integral Pouring*Concrete Filter Floor and Adjustable Nozzle of Air-water Washing Filter

Technical Specification for Integral Pouring Concrete Filter Floor and Adjustable Nozzle of Air-water Washing Filter fully revised by Shanghai Municipal Engineering Design & Research Institute, North China Municipal Engineering Design & Research Institute and Zhejiang Taizhou Zhongchang Water Treatment Equipment Co., Ltd., etc. according to the Notice on Issuing <Standard Formulation, Revision Plan (first batch) > of the Engineering Construction Standardization Association in 2008 JB Zi [2008] No.52 of the China Engineering Construction Standardization Association is now published after the review of the Urban Water Supply and Drainage Professional Committee, with the No. CECS 178:2009 and it will be executed since the September 1, 2009. Original Technical Specification for Integral Pouring Concrete Filter Floor and Adjustable Nozzle of Air-water Washing Filter CECS178:2005 shall be abolished simultaneously.

China Engineering Construction Standardization Association
July 1, 2009

Foreword

This Specification is revised according to the requirement of the *Notice on Issuing* <*Standard Formulation, Revision Plan (first batch)> of the Engineering Construction Standardization Association in 2008* JB Zi [2008] No.52 of the China Engineering Construction Standardization Association.

The Shanghai Municipal Engineering Design & Research Institute, together with North China Municipal Engineering Design & Research Institute and Zhejiang Taizhou Zhongchang Water Treatment Equipment Co., Ltd., revises the *Technical Specification for Integral Pouring Concrete Filter Floor and Adjustable Nozzle of Air-water Washing Filter* CECS 178: 2005. In order to meet the demand of the water supply and drainage engineering, the preparation team increases the design and construction of the Type B and Type C formworks and QSK-W-1 and QSK-W-2 aeration biological filter special filter nozzle on the basis Type A formwork of the original Specification, which can be used by the designer in the engineering.

The main content of this Specification includes: General Provisions, Terms, Materials, Design, Construction and Quality Inspection and Project Acceptance.

According to the requirement of the *Notice on Inviting China Engineering Construction Standardization Association to be Responsible for Pilot Work of the Recommended Engineering Construction Standard* [1986] No.1649 of the State Development Planning Commission, it is recommended to the engineering construction and design organizations and engineering technicians for use.

This Specification is centralized management and explained by the Urban Water Supply and Drainage Professional Committee of China Engineering Construction Standardization Association. (Shanghai Municipal Engineering Design & Research Institute. Address: No.901 North Zhongshan Road, Shanghai, and postcode: 200092) Please send suggestions and materials to interpretation unit if parts need to be modified or supplied in use are found.

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1. General Provisions

- 1.0.1 This Specification is formulated in order to standardize the selection and use condition of integral pouring concrete filter floor and adjustable nozzle of air-water washing filter in air-water washing filter and aeration biological fluidized tank in the water supply treatment, wastewater treatment and reused water process, unite design standard and construction quality control requirements, and make the water and air distribution system of filter advanced in technology, reasonable in economy, safe and reliable.
- **1.0.2** This Specification applies to design and construction quality control of the integral pouring concrete filter floor and adjustable filter nozzle in the newly-built, expended, or rebuilt air-water washing filter, aeration biological fluidized tank and other water and air distribution systems.
- **1.0.3** The design and construction quality control of the integral pouring concrete filter floor and adjustable filter nozzle, in addition to complying with this Specification, shall be in line with the provisions of the national current standards.



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