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Concrete Filter Plate



The concrete filter plate is a key device in the water treatment system, which plays a dual role of filtering and backwashing in the filter tank. The flatness and accuracy of concrete filter plate directly affect the water quality, water quantity and use effect after filtering in water plants and sewage plants. The product adopts embedded ABS plastic casing and double-layer two-way rebar, which fully meets the application of tap water filter and BAF filter.

1.Description of concrete filter plate

The concrete filter plate is made of high-quality cement, high-quality fine stone and quartz sand by mixing, tamping and pouring. The opening proportion is arranged according to the design requirements, ABS plastic pipes are embedded, and double-layer two-way threaded steel bars are used. The error per square meter above and below the product is $\pm 1\text{mm}$. After installation in the filter tank, the overall error is $\leq 5\text{mm}$, and the four sides are neat without warping, fully meeting the design requirements and use effect of the filter tank.

The traditional water distribution system of the filter tank has the problems of large resistance during filtering and backwashing, uneven water distribution, many dead water areas, and easy hardening and mud accumulation of the filter material. At the same time, the supporting layer is loose due to insufficient local flushing strength, and sand leakage occurs. The concrete filter plate (BAF) is casted with vertical steel mold, produced and installed in strict accordance with the design requirements, with high strength and small error, which solves the problems existing in the filtration of the traditional filter tank water distribution system.

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2.Main technical index of concrete filter plate

Filter plate strength	Matched concrete iron	Tolerance	Appearance
C25-C30	Double layer two-way Screw thread steel	Flatness error of both sides $\pm 1\text{mm}$ Perpendicularity error of four sides $\leq 5\text{mm}$	The surface is flat, without exposed reinforcement, warping, cracks, no damage on four sides, and the embedded casing is accurate without blockage

3.Main characteristics of the product

- 1) The product is reinforced concrete filter plate, acid resistant and corrosion resistant
- 2) It is casted with flat steel mold, with high bearing capacity and high flushing resistance
- 3) Embedded ABS plastic casing is used, with good backwash resistance
- 4) High horizontal flatness, $\pm 1\text{mm}$, small overall error, $\leq 5\text{mm}$
- 5) During use, it is not easy to be damaged, blocked, and has no problems of sand leakage and mud accumulation

4. Main purpose of the product

- 1) Used for filtration and purification of sewage
 - 2) Filtration of high-temperature gas, tail gas and oil slurry in petrochemical industry
 - 3) Filtration and separation of catalyst
 - 4) Purification of high-temperature flue gas in metallurgical industry
 - 5) Applicable to industrial wastewater treatment
- 5.Good feedback of product use effect,the products have been exported to South Korea,Australia, Kenya,
- 6.The manufacturer is a professional manufacturer and can provide complete product index test reports or third-party test reports.

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