



iber rotary filter

Wide application fields:

- a. Upgrading and reconstruction of the existing sewage treatment plant: from level I B to level I a discharge standard.
- b. Industrial production reuse water: circulating cooling water of steel plant and power plant.
- c. Urban miscellaneous water reuse.
- d. Water for papermaking and printing and dyeing industry.
- e. Aquaculture and other water treatment.

Working principle of equipment:

The fully submerged fiber rotary disc filter is composed of a central drum, a filter disc, a backwashing system and a supporting electrical control system. The filter disc is fixed around the central drum and has a communication hole with the central drum. Raw water (sewage) flows into the converter through the filter cloth on the disc. The filter cloth is a special fiber filter cloth with a small filter aperture of up to 10um. After the raw water is filtered through the filter cloth, the clean water flows into the converter and is discharged



out of the system from the converter outlet. With the progress of filtration, the retained impurities on the outside of the filter cloth continue to increase, the filtration differential pressure increases, and the water passing through the filter cloth decreases. When the impurities accumulate to a certain extent and the liquid level of the filter reaches the set value, the backwashing device starts to operate to backwash out the impurities accumulated outside the filter cloth. After backwashing, the sewage impurities are sucked into the sewage pipeline and then discharged out of the device. During backwashing, the disc rotates until all the filter cloth is cleaned, the backwashing stops, and re enters the static filtration process. Operate in this cycle.

Parameter selection table:

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| Model | Turntable diameter (m) | Single disc filter area (m ²) | Number of discs | Processing capacity (m ³ /d) | Installed power (kw) |
|----------|------------------------|---|-----------------|---|----------------------|
| HZP1.2-2 | 1.2 | 2.0 | 2 | 600 | 0.37+1.5 |
| HZP1.2-4 | 1.2 | 2.0 | 4 | 1200 | 0.37+1.5 |
| HZP1.2-6 | 1.2 | 2.0 | 6 | 1800 | 0.37+1.5 |
| HZP1.2-8 | 1.2 | 2.0 | 8 | 2400 | 0.37+3 |
| HZP2-2 | 2.0 | 5.8 | 2 | 2000 | 0.55+2.2 |
| HZP2-4 | 2.0 | 5.8 | 4 | 600 | 0.55+2.2 |
| HZP2-6 | 2.0 | 5.8 | 6 | 6000 | 0.75+2.2 |
| HZP2-8 | 2.0 | 5.8 | 8 | 8000 | 0.75+4.4 |
| HZP2-10 | 2.0 | 5.8 | 10 | 10000 | 0.75+4.4 |
| HZP2-12 | 2.0 | 5.8 | 12 | 12000 | 0.75+4.4 |
| HZP2-16 | 2.0 | 5.8 | 16 | 600 | 0.75+6.6 |
| HZP2-20 | 2.0 | 5.8 | 20 | 20000 | 0.75+6.6 |
| HZP3-2 | 3.0 | 12.6 | 2 | 5000 | 0.75+3.7 |
| HZP3-4 | 3.0 | 12.6 | 4 | 10000 | 0.75+3.7 |
| HZP3-6 | 3.0 | 12.6 | 6 | 15000 | 0.75+3.7 |
| HZP3-8 | 3.0 | 12.6 | 8 | 20000 | 0.75+7.4 |
| HZP3-10 | 3.0 | 12.6 | 10 | 25000 | 1.1+7.4 |
| HZP3-12 | 3.0 | 12.6 | 12 | 30000 | 1.1+7.4 |
| HZP3-16 | 3.0 | 12.6 | 16 | 40000 | 1.1+11.1 |
| HZP3-20 | 3.0 | 12.6 | 20 | 50000 | 1.1+11.1 |