Fully Automatic External Blade Filter NO.8803

Description

External scraping type self-cleaning filter (abbreviated as external scraping filter) automatically removes particulate impurities on the outer surface of the filter element through an efficient mechanical scraping method. The scraper is made of stainless steel, the scraper is tightly attached to the filter, and the outside of the filter scraper is scraped off. Impurities, when the impurities accumulate to a certain degree, the automatic blowdown valve opens, and the impurities are discharged from the bottom drain outlet, which can realize continuous online on-line filtration, particulate impurities can be recycled, filter consumables are not produced, frequent cleaning is not required, and the impurity content is high Continuous uninterrupted production conditions.

Performance Characteristics

- Fully automatic online continuous filtration
- Reduce labor costs and meet factory automation requirements
- Does not produce disposable disposable filter consumables
- Saving consumables costs and environmental treatment costs
- Filter pressure loss is very small, stable flow
- Closed filter
- Emission waste liquid has high impurity concentration and can be recycled
- Avoid loss of high value materials
- Multiple module combinations and automation modes
- Parts material
- Filter body: CS\stainless steel SS304\SS316L resistant to acid and alkali corrosion, SS316L performance is better Filter Stainless steel SS304/SS316L
- Shaft seal: PTFE PTFE, suitable for all kinds of solvents and acid and alkaline liquids, maximum operating temperature 230 °C
- Seal: NBR NBR, suitable for most neutral and oil liquids, up to 120°C
- VITON fluororubber: Tolerant to acid and alkaline liquids and most solvents, the maximum use temperature 230 °C
- Scraper: S2 type is super wear-resistant synthetic material, S3 type is wear-resistant stainless steel blade
- Tripod: stainless steel SS304

Automatic Pneumatic Scraper Filter

Shanghai Ruicui Fluid Equipment Co.,Ltd.
上海瑞萃流体设备有限公司

Description

The internal scraper pneumatic filter, fully automatic operation, high filtration accuracy, stable and reliable performance, is an alternative to the traditional manual filter or the use of disposable filter media. It can replace the traditional core filter in many fields. Bag filter, basket filter, shaker filter, etc.

Working Principle

The liquid flows in from the inlet of the filter and flows from the top to the bottom, through the surface of the filter to the outlet. When a certain amount of impurities are collected on the surface of the filter, the blade driven by the corrector is pneumatically driven to pull down on the surface of the filter to scrape impurities. Impurities accumulate at the bottom of the container with the descending liquid. When a certain amount of impurities accumulates, the automatic blowdown valve opens the collection chamber to discharge the liquid containing the high concentration of contaminants, and the residual liquid can be recovered or discharged.

Fully Automatic Single-Cylinder Scraper Filters
NO.8804

Automatic Double Cylinder Scraper Filters
NO.8805