

## INTRODUCTION

### PRODUCT FEATURES

- It uses an internal scraper mechanism to automatically remove impurities on the filter screen during the filtering process.
- Through its automatic self-cleaning function, it effectively improves the filtering efficiency, reduces maintenance costs, and ensures the continuous and stable operation of the system.
- Widely used in petrochemical, fine chemical, pharmaceutical, electric power, papermaking, water treatment system, automotive industry, mechanical processing, coatings, electronics and other industries.
- Low power consumption. Imported electrical components are selected, combined with a 0.37–0.55 KW power drive device to reduce power consumption.

- [Housing Size]: 219, 273, 325, 377, 400, 450, 550, 800 mm
- [Flow rate]:  $\geq 1$  t (can be designed according to flow rate requirements)
- [Filter rating]: 20  $\mu\text{m}$  (max)
- [Filter area]:  $\geq 0.12$  m<sup>2</sup> (can be designed as required)
- [Filter element material]: V-SLOT slit-type metal filter element, 304/316L
- [Filter housing material]: Stainless steel 304/316L
- [Scraper material]: PTFE
- [Sealing material]: VITON (FKM)
- [Operating pressure]: 0.8 Mpa
- [Inlet & outlet diameter]: Customizable
- [Drain outlet diameter]: Flange DN40
- [Gear motor]: Italian SITI dual-stage gear motor

The external scraper self-cleaning filter automatically removes impurities on the outside of the filter screen through an external scraper mechanism. This design is particularly suitable for applications that require continuous filtration and regular cleaning, as well as environments with large impurity particles.

### INTERNAL/EXTERNAL SCRAPER



Suitable for external scraper self-cleaning filter



Suitable for internal scraper self-cleaning filters



The internal scraper self-cleaning filter is an efficient, automated filtration device that employs an internal scraping mechanism to automatically remove impurities from the filter screen during the filtration process.

