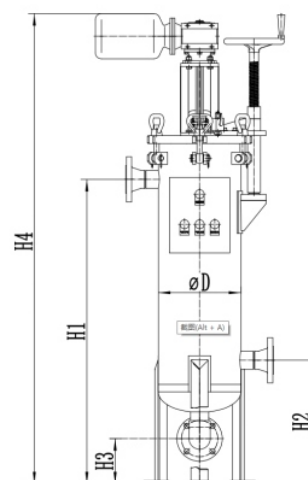


## YGDF Series Filter

Large-Flow Self-Cleaning · Efficient Interception · Economical Operation

Mechanical self-cleaning filter for large-flow water systems, featuring electric scraper cleaning activated by preset pressure differentials. Handles up to 2500m<sup>3</sup>/h with 50-3000μm accuracy, using no disposable media. Ideal for municipal, industrial, and HVAC water applications.



### Core Challenges

- Limited single-unit capacity requiring multiple parallel units
- Frequent manual cleaning due to screen clogging
- High long-term consumable and waste disposal costs
- Energy-intensive high-precision filtration

### Applications

- Municipal water: Pretreatment, secondary supply protection
- Industrial cooling: Full-flow filtration for power/steel/chemical plants
- Building HVAC: Central air conditioning and district heating systems
- Landscape/agriculture: Golf course, scenic water, irrigation filtration
- Mining/industrial: Mine water reuse, sand washing wastewater treatment

### Key Features

- Compact high-flow design saving over 40% space
- Pressure-controlled automatic cleaning with soft scrapers
- Adjustable 1-15s sludge discharge
- Zero consumable operation with stainless steel screens
- Customizable 4-16bar pressure and wide accuracy range

### Value

Reduces initial investment and footprint while lowering maintenance and energy costs through reliable self-cleaning and zero consumable design, offering cost-effective lifecycle solutions.



## YGDF Series

## CUSTOM DESIGN AND MANUFACTURING AVAILABLE

Model of Filter	Housing size	Inlet/Outlet	Filtration Accuracy μm	Motor Power kw	Flow Rate m <sup>3</sup> /h
D250	Ø273x1000	DN50	≥50	0.18	50
D300	Ø325x1200	DN80	≥100	0.37	100
D400	Ø426x1300	DN150	≥200	0.37	200
D500	Ø530x1650	DN200	≥300	0.75	450
D600	Ø600x1750	DN300	≥300	0.75	550
D700	Ø700x2000	DN350	≥500	0.75	700
D800	Ø800x2150	DN400	≥800	0.75	1000
D900	Ø900x2300	DN450	≥1000	0.75	1200
D1000	Ø1000x2500	DN500	≥1500	0.75	1500
D1100	Ø1100x2600	DN600	≥3000	1.5	1800
D1200	Ø1200x2800	DN700	≥3000	1.5	2300