

## CKGF Series Filter

High-Flow Suction Self-Cleaning · Fine Interception · Long-Term Operation

Large-flow filter using suction self-cleaning technology for efficient suspended particle removal. Electric soft suction nozzles automatically clean the screen at set pressure differentials, handling up to 2500m<sup>3</sup>/h with 50-3000μm accuracy. No disposable consumables, reducing long-term operating costs for municipal, industrial, and building water systems.



### Core Challenges

- Incomplete cleaning and high flow resistance
- Trade-off between flow rate and filtration accuracy
- High water/energy consumption during cleaning
- Continuous consumable replacement costs

### Applications

- Municipal water: Treatment plants, pumping stations
- Industrial cooling: Power plants, factories
- HVAC systems: District heating, central air conditioning
- Landscape/agriculture: Golf courses, lakes, irrigation
- Mining/process water: Mine drainage, mineral processing

### Key Features

- Soft suction cleaning without screen damage
- High flow with low pressure loss
- No disposable media replacement required
- Automatic pressure differential control
- Quick sealed sludge discharge (1-15s)

### Value

Combines high precision and flow with low water/energy use and zero consumables, reducing lifecycle costs and maintenance needs.


**CKGF Series**
**CUSTOM DESIGN AND MANUFACTURING AVAILABLE**

Model of Filter	Inlet/Outlet	Housing Dia. mm	Filtration Area m <sup>2</sup>	Drain Pipe Diameter	Filtration Accuracy μm	Motor Power kw	Flow Rate m <sup>3</sup> /h
50	DN50	350	0.68	DN25	50~3000	0.37	20
80	DN80	400	0.8	DN25	50~3000	0.37	50
100	DN100	450	0.93	DN25	50~3000	0.37	80
125	DN125	500	1.06	DN50	50~3000	0.37	125
150	DN150	600	1.3	DN50	50~3000	0.37	180
200	DN200	700	1.5	DN50	50~3000	0.37	320
250	DN250	800	1.76	DN80	50~3000	0.55	490
300	DN300	900	2.51	DN80	50~3000	0.55	710
350	DN350	1000	2.83	DN80	50~3000	0.55	950