

DGF Series High-Flow Pipeline Filter

High-Flow Filtration · Low Pressure Drop · Efficient Discharge

The DGF series is a high-flow filter designed for large-flow pipeline systems, using wedge wire filter tubes to intercept particles $\geq 50\mu\text{m}$. Single-unit capacity exceeds $3000 \text{ m}^3/\text{h}$ with pressure drop below 40 kPa and accuracy of 50-3000 μm . Features "inside-out" filtration with automatic sediment discharge and online cleaning, providing reliable pre-filtration for industrial and municipal water systems.



Core Challenges Addressed

- Balancing high flow with low pressure drop
- Maintenance interrupting continuous operation
- Rapid filter clogging requiring frequent cleaning
- Large equipment footprint limiting installation

Typical Applications

- Industrial circulating cooling water systems
- Municipal reclaimed water treatment
- Seawater desalination pretreatment
- Regional heating/cooling water systems
- Mining and metallurgical process water

Core Advantages

- Optimized structure ensures $<40 \text{ kPa}$ pressure drop
- Dual-opening design for continuous filtration during discharge
- Supports air-water backwash to extend service life
- Compact modular design saves 30% space
- Corrosion-resistant materials for harsh environments

System Value

Combines mechanical strength with efficient flow design to reduce energy use and maintenance while enabling easy integration into existing pipelines for cost-effective, sustainable operation.


DGF Series
CUSTOM DESIGN AND MANUFACTURING AVAILABLE

Model of Filter	Inlet/Outlet	Size of Cartridge	Filtration Accuracy μm	Working Pressure bar
D700	DN700	$\varnothing 60$	50~3000	16
D800	DN800	$\varnothing 60$	50~3000	16
D900	DN900	$\varnothing 60$	50~3000	16
D1000	DN1000	$\varnothing 60$	50~3000	16
D1100	DN1100	$\varnothing 60$	50~3000	16
D1200	DN1200	$\varnothing 60$	50~3000	16