

PGZF Series Filter

Modular Control · Online Regeneration · Continuous Operation

Modular design with independently controlled units enables online backwash and membrane regeneration. Maintains 99% uptime with 0.1-100µm precision, handling up to 990m³/h. Meets automated production needs in food, chemical, and pharmaceutical industries.



Core Challenges

- Full shutdown required for cleaning
- Unstable efficiency due to membrane fouling
- High maintenance and consumable costs
- Poor adaptability to variable processes

Applications

- Food: Syrup, juice, soy sauce filtration; protein extraction
- Biotech: Citric/lactic acid decolorization; cell separation
- Oils & materials: Edible oil refining; alumina suspension filtration
- Environment: PTA catalyst recovery; electroplating wastewater treatment

Key Features

- Independent group control for continuous operation
- Online regeneration extends membrane life
- Fully automatic with differential pressure control
- GMP/FDA compliant surface finishes
- Scalable capacity 15-990m³/h

Value

Upgrades batch processes to true continuous operation, reducing energy and consumable costs while ensuring precision and reliability.


PGZF Series
CUSTOM DESIGN AND MANUFACTURING AVAILABLE

Model of Filter	Model of Cartridge	Housing size	Inlet/Outlet	Qty of Cartridge	Size of Cartridge	Flow Rate t/h
P800	S750	DN800X2800	DN50	16	Ø60	15
P1000	S1000	DN1000X3500	DN80	44	Ø60	55
P1200	S1200	DN1200X4100	DN100	66	Ø60	100
P1500	S1200	DN1500X4500	DN150	108	Ø60	160
P1800	S1200	DN1800X5100	DN150	160	Ø60	240
P2000	S1200	DN2000X5400	DN200	212	Ø60	315
P2500	S1500	DN2500X6000	DN250	300	Ø60	560
P2800	S1500	DN2800X6500	DN300	372	Ø60	700
P3000	S1500	DN3000X6800	DN350	448	Ø60	840
P3200	S1500	DN3200X7200	DN350	530	Ø60	990