

WCZF Series Filter

High-Efficiency Recovery · Dry Cake Discharge · Continuous Operation

Advanced model of PGZF series with integrated dry cake discharge system. Achieves 0.1-100µm filtration while minimizing moisture content, enabling residual-free recovery of high-value materials like precious metal catalysts and fine chemicals through full automation.



Core Challenges

- High liquid content in filter cake causing material loss
- Manual cleaning requiring shutdowns and posing contamination risks
- Process interruption during cake discharge
- Complex solvent recovery from residual liquids

Key Features

- Automatic dry cake discharge via mechanical pressing/gas blow
- Near-zero residual liquid in cake
- Closed automated operation compliant with standards
- Intelligent backwash and discharge coordination

Applications

- Precious metal catalyst recovery (Pd/C, Pt/C)
- Fine chemical intermediate recovery (DMC, etc.)
- High-value mineral processing (gold ore, rare metals)
- Biopharmaceutical crystallization product handling
- Food industry high-value extract processing

Value

Integrates multiple processes into continuous single-unit operation, improving recovery rates and purity while reducing energy, solvent use, and manual labor.


WCZF 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
W1200	S1000	DN1200X2600	DN100	66	Ø 60	80
W1500	S1000	DN1500X3000	DN125	108	Ø 60	135
W1800	S1000	DN1800X3200	DN150	160	Ø 60	200
W2500	S1000	DN2500X3500	DN200	300	Ø 60	375
W3000	S1000	DN3000X3800	DN250	448	Ø 60	560
W3200	S1000	DN3200X4100	DN300	530	Ø 60	660