

ELECTRIC DRIVE SELF CLEANING WATER FILTER

FED100EX

FED100EX · FED · DN 100 · Electric drive

Electric motor drive automatic filter. DN100. Flow rate 100 m³/h.

TECHNICAL DATASHEET



SCAN FOR PRODUCT PAGE

filtaworx.com/products/automatic-filters/fed100ex



KEY FEATURES

- Electric Gear Motor Drive
- Precise Backwash Control
- Self-Reversing Drive Shaft
- Suction Nozzle Cleaning
- Wide Pressure Range: 0.5–16 bar
- PLC Controller Integration

SPECIFICATIONS

Drive Type	Electric
Filter Size	DN100
Flow Rate	100 m ³ /h
Filtration Area	5,600 cm ²
Filtration Degree	30, 50, 80, 100, 120, 150, 200, 300, 400, 800 µm
Operating Pressure	0.5–16 bar
Max Temperature	65 °C
Rinse Cycle	15–17 seconds

02 • DIMENSIONS

Dimensions

TABLE 1 Data & Weights

Model	DN	Flowrate	Filter area	Weight (Std)	Weight (HP)
FED100EX	DN100	100 m ³ /h	5,600 cm ²	85 kg	165 kg (full)

TABLE 2 Dimensions

Dimension	Value
Inlet / Outlet	DN100 (4")
Body Ø	273 mm
Centre distance	900 mm
Body O/A length	1,390 mm
Filtration area	5,600 cm ²
Flow rate	100 m ³ /h (440 gpm)

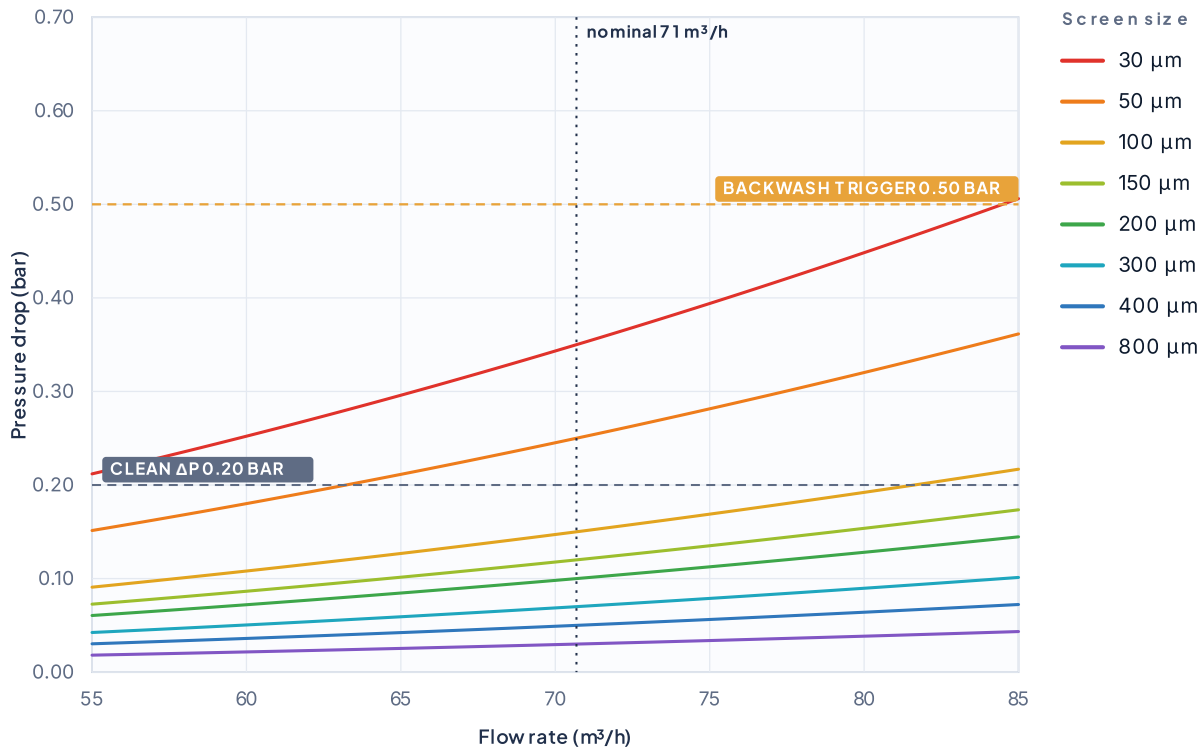
TABLE 3 Shipping & weights

Item	Value
Packed dimensions (L x W x H)	220 x 56 x 71 cm
Shipping volume	0.88 m ³
Weight — standard	90 kg (200 lb)
Weight — high pressure	111 kg (245 lb)

03 • PERFORMANCE

Performance

PERFORMANCE Pressure Drop vs Flow



Curves: $dp(q) = r \cdot q^2$ across available screen sizes. Source per screen — 30 μm : estimated · 50 μm : estimated · 100 μm : estimated · 150 μm : estimated · 200 μm : estimated · 300 μm : estimated · 400 μm : estimated · 800 μm : estimated.

TYPICAL APPLICATIONS

Agriculture & Irrigation · Water Sources · Cooling Towers · Food & Beverage

Filtaworx · Australian manufacturer of automatic self-cleaning filters

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