

AUTOMATIC SELF CLEANING WATER FILTER

FW450

FW450 · FW · DN 450 · Hydraulic drive

Large piston-driven automatic filter. DN450. Flow rate 1,400 m³/h. Hydraulic drive.

TECHNICAL DATASHEET



SCAN FOR PRODUCT PAGE

filtaworx.com/products/automatic-filters/fw450



KEY FEATURES

- Hydraulic Drive – No External Power
- Suction Scanning Technology
- Continuous Flow
- 15–17 Second Flush Cycle
- PN10/PN16 Pressure Rating
- SS304/SS316 Options

SPECIFICATIONS

Drive Type	Hydraulic
Filter Size	DN450
Flow Rate	1,400 m ³ /h
Filtration Area	15,950 cm ²
Filtration Degree	30, 50, 80, 100, 120, 150, 200, 300, 400, 800 µm
Operating Pressure	2.0–10 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)
FW450	DN450	1,400 m ³ /h	15,950 cm ²	420 kg	510 kg

TABLE 2 Dimensions

Dimension	Value
Inlet / Outlet	DN450 (18")
Body Ø	556 mm
Centre distance	1,270 mm
Body O/A length	2,531 mm
Filtration area	15,950 cm ²
Flow rate	1,400 m ³ /h (6,164 gpm)

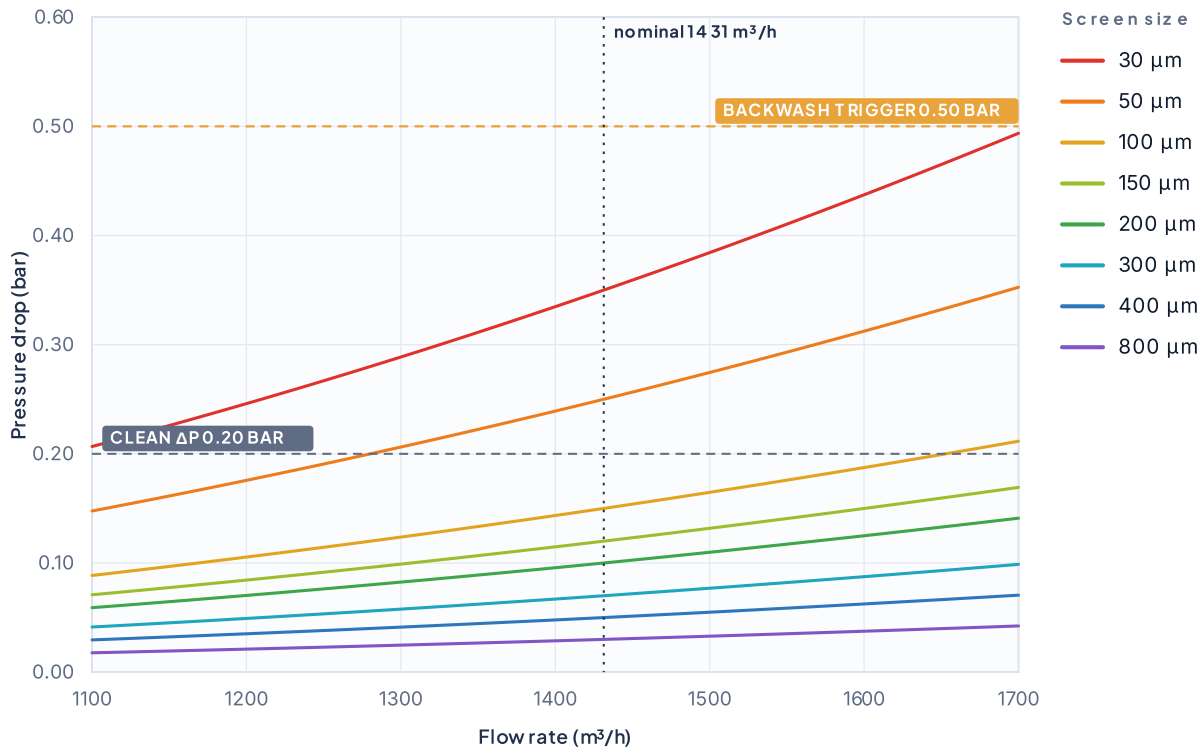
TABLE 3 Shipping & weights

Item	Value
Packed dimensions (L x W x H)	Crate
Shipping volume	—
Weight — standard	420 kg (925 lb)
Weight — high pressure	510 kg (1,125 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 · Industrial Water · Mining

Filtaworx · Australian manufacturer of automatic self-cleaning filters

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