

**AUTOMATIC SELF CLEANING WATER FILTER**

**FW450**

FW450 · FW · DN 450 · Hydraulic drive

Large piston-driven automatic filter. DN450. Flow rate 1,400 m<sup>3</sup>/h. Hydraulic drive.

TECHNICAL DAT ASHEET



**SCAN FOR PRODUCT PAGE**

[filtaworx.com/products/automatic-filters/fw450](https://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 <sup>3</sup> /h
Filtration Area	15,950 cm <sup>2</sup>
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 <sup>3</sup> /h	15,950 cm <sup>2</sup>	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 <sup>2</sup>
Flow rate	1,400 m <sup>3</sup> /h (6,164 gpm)

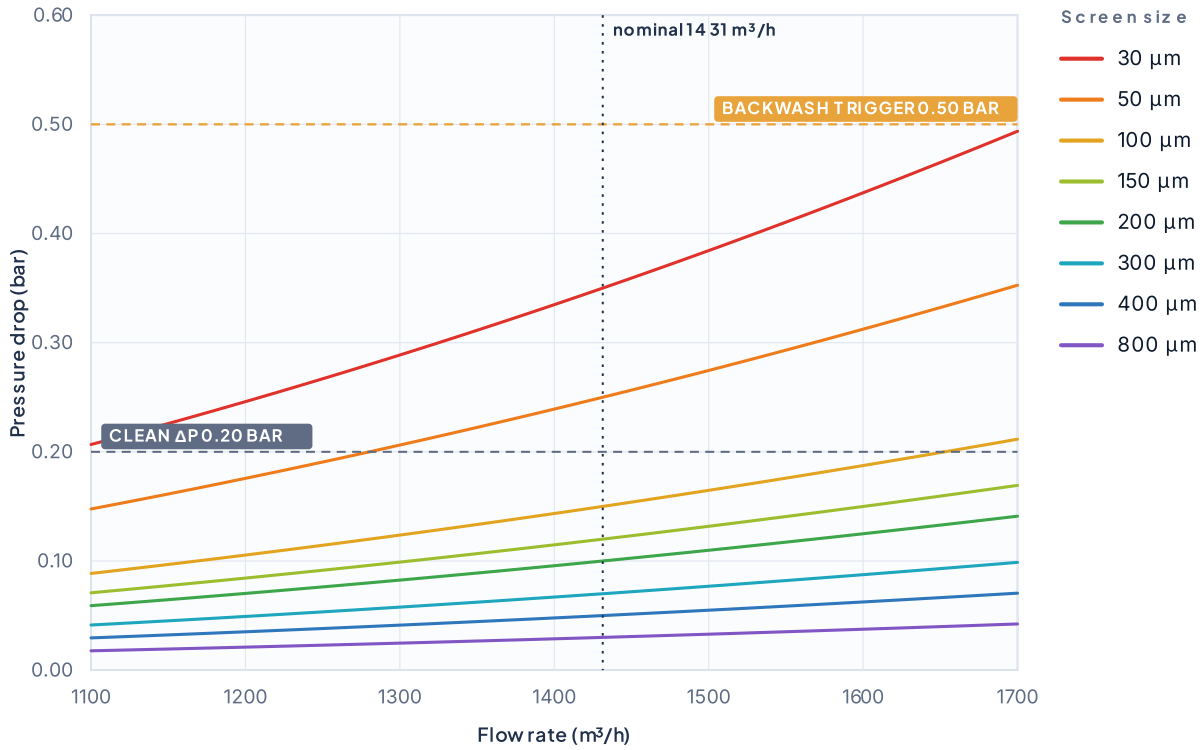
**TABLE 3** Shipping & weights

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 — 30µm : estimated · 50µm : estimated · 100µm : estimated · 150µm : estimated · 200µm : estimated · 300µm : estimated · 400µm : estimated · 800µm : estimated.

**Filtaworx · Australian manufacturer of automatic self-cleaning filters**

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