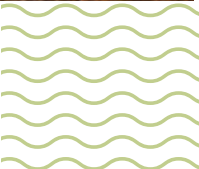




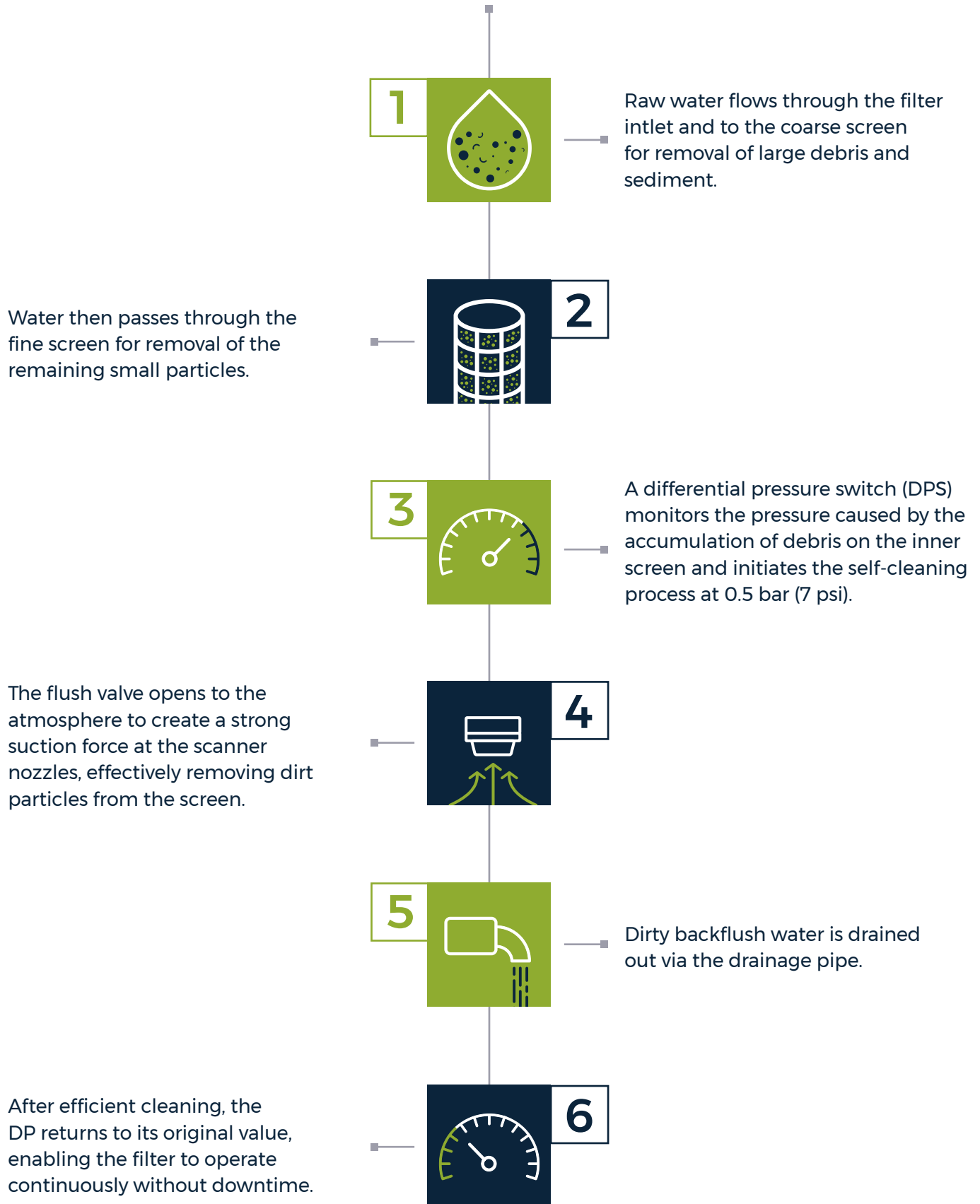
**FILTOMAT models:**  
M1xx LP and XLP 4" to 10"

Self-cleaning  
screen filter

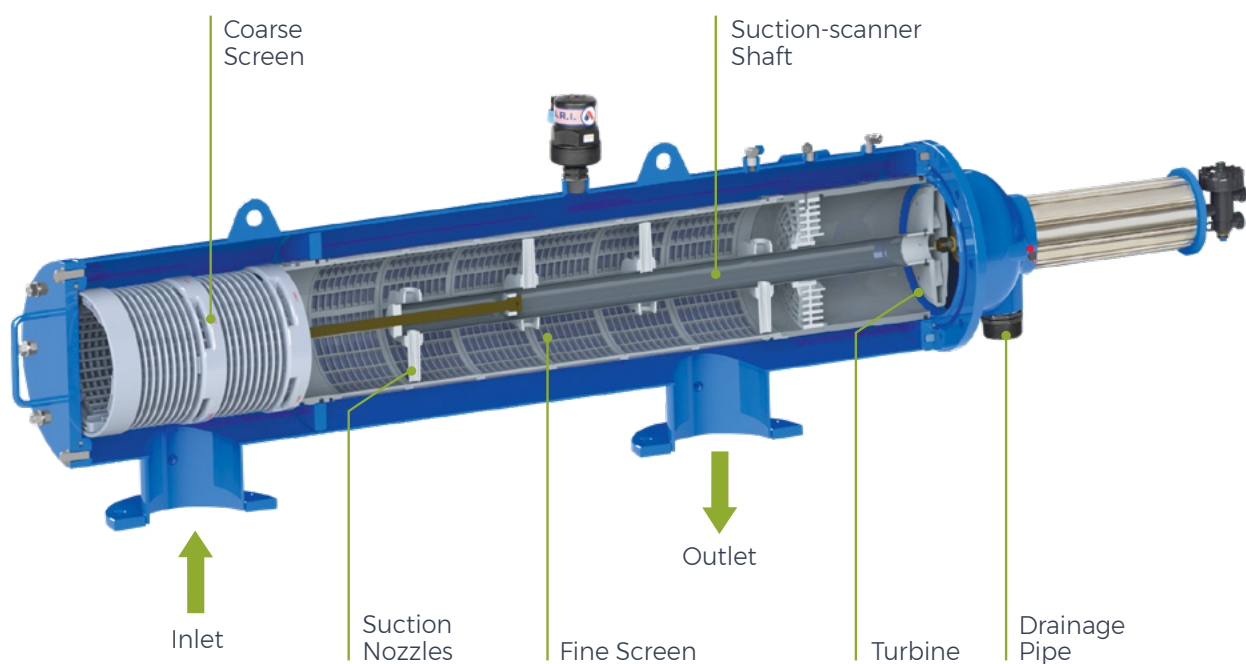
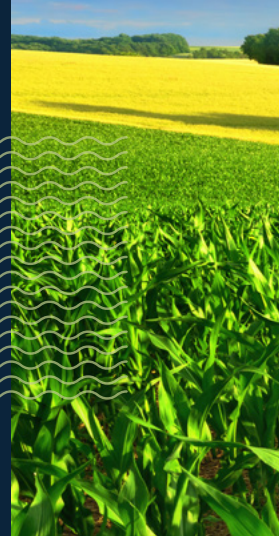


# FILTOMAT: 30 years of excellence.

## The Filtration Process



# FILTOMAT: An Inside Look



## Filtomat M100 Models

Available as a stand alone or as filter bank assembly, with a single ADI-P electronic control system.

**M102C/M103C:**  $\leq 40 \text{ m}^3/\text{h}$  (176 gpm)

**M103CL/M104C:**  $\leq 80 \text{ m}^3/\text{h}$  (350 gpm)

**M104CL:**  $\leq 100 \text{ m}^3/\text{h}$  (440 gpm)

**M104LPN/M106LP:**  $\leq 180 \text{ m}^3/\text{h}$  (793 gpm)

**M104XLP/M106XLP/M108LP/M110P:**  $\leq 400 \text{ m}^3/\text{h}$  (1,760 gpm)





## The ADI-P Controller

The ADI-P Controller operates the automated processes that flush your Filtomat filters, allowing you to control and monitor them easily and conveniently.



Suitable for low pressure (1.5-10 bar)



Single or dual solenoid configuration



Provides detailed filtration performance data



Bluetooth® range communication



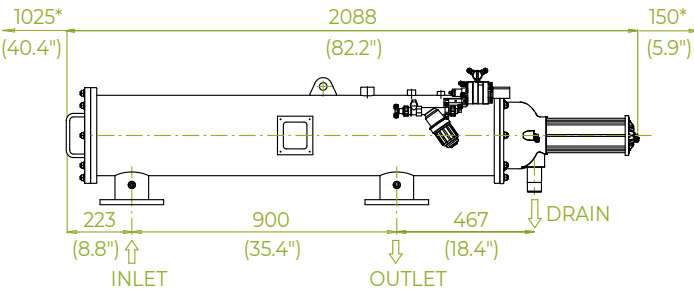
Offline information storage available

# M100 Models

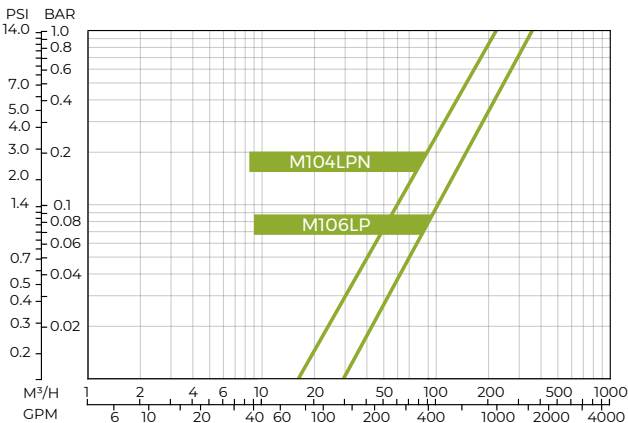
M104LPN / M106LP



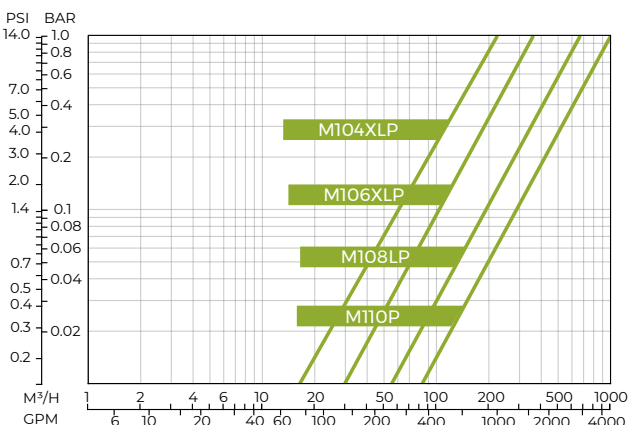
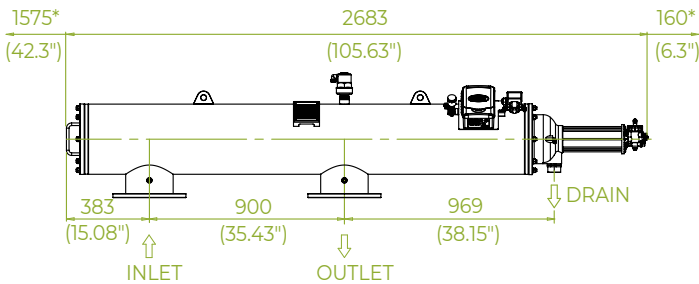
Typical Dimensional Drawing



Head Loss Graph (in clean water)  
Dim: mm (inch)



M104XLP / M106XLP / M108LP / M110P



\*Approx. length required for maintenance



## Technical Specifications - M100 Models

Filter Model	M104LPN / M106LP	M104XLP / M106XLP / M108LP / M110P
<b>General Data</b>		
Maximum flow rate*	180 m <sup>3</sup> /h (793 gpm)	400 m <sup>3</sup> /h (1,760 gpm)
Inlet/Outlet diameter	4" 100 (mm) 6" 150 (mm)	4" (100 mm) 6" (150 mm) 8" (200 mm) 10" (250 mm)
Standard filtration degrees	500, 300, 200, 130, 100, 80 micron	
Minimum working pressure	2 bar (30 psi) For lower pressure please consult Amiad	
Maximum working pressure	10 bar (150 psi)	
Maximum working temperature	55°C (131°F)	
Weight [empty]	4" 90 kg (198 lb) 6" 115 kg (253.5 lb)	4" 110 kg (242.5 lb) 6" 120 kg (264.5 lb) 8" 140 kg (308.6 lb) 10" 158 kg (348 lb)

\* Consult Amiad for optimum flow depending on filtration degree and water quality.

<b>Flushing Data</b>		
Minimum flow for flushing (at 2 bar - 30 psi)	26 m <sup>3</sup> /h (114 gpm)	30 m <sup>3</sup> /h (132 gpm)
Reject water volume per flush cycle (at 2 bar - 30 psi)	125 liter (33 gallon)	150 liter (40 gallon)
Flushing cycle time	15 seconds	
Exhaust valve	1.5" (40 mm)	
Flushing criteria	Differential pressure of 0.5 bar (7 psi), time intervals or manual operation	

<b>Screen Data</b>		
Total filtration area	6,150 cm <sup>2</sup> (953 in <sup>2</sup> )	8,890 cm <sup>2</sup> (1,378 in <sup>2</sup> )
Net filtration area	4,500 cm <sup>2</sup> (698 in <sup>2</sup> )	6,800 cm <sup>2</sup> (1,054 in <sup>2</sup> )
Screen types	Molded weavewire stainless steel 316L	

<b>Construction Materials</b>		
Filter housing	Epoxy-coated carbon steel 37-2 (stainless steel 316L on request)	
Filter lid	High density polypropylene, epoxy coated carbon steel 37-2 (stainless steel 316L on request)	
Cleaning mechanism	PVC and stainless steel 316L	
Exhaust valve	Brass, stainless steel 316L, BUNA-N	
Seals	BUNA-N	
Control	Brass, stainless steel 316L, and acetal	



**Headquarters**  
Amiad Water Systems Ltd  
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## Filtomat M1xx lp and xlp online orders

Global sales

[www.irrigationglobal.com](http://www.irrigationglobal.com)

[orders@irrigationglobal.com](mailto:orders@irrigationglobal.com)



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**MASTERS OF**  
**FILTRATION**

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