

## FW100EX – FW350

### Applications

- Irrigation - Protection of irrigation systems, in particular: drip irrigation, micro-irrigation, parks and gardens, golf courses using any type of supply.
- Cooling towers and process water - Ideal for removing algae, sludge, debris, process impurities and atmospheric contamination; allows to maximize the efficiency of heat exchange and reduce maintenance. The reduction of mud accumulations, an ideal environment for Legionella bacteria, guarantees a healthier and safer environment.
- Surface and underground waters - Protection of plants and equipment from contamination of debris in water.
- Plant protection - Protection of technical equipment, seals, bearings, valves, etc.
- Nozzle protection - Prevents nozzle clogging, keeping them clean and efficient, reducing maintenance.
- Membrane & UV lamps protection - Removal of suspended solids that reduce the efficiency of membranes and UV disinfection systems.
- Recycled water - Allows the use of recycled or low quality water in treatment plants, industrial process systems, paper mills, mines, irrigation, etc.
- Municipal water supply - Removes algae, organisms, sand and silt from surface waters, dams and reservoirs; reducing treatment and maintenance costs.

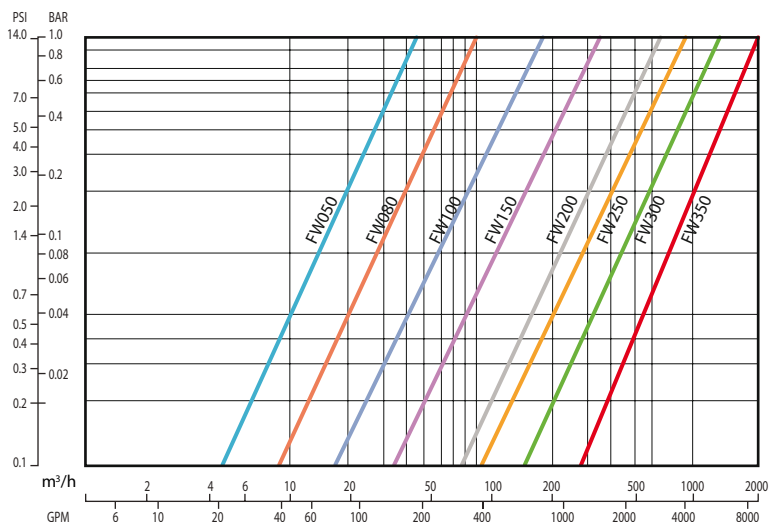


### Materials

- Stainless steel body
- All parts are made of corrosion resistant materials

### Characteristics

- Fully automatic backwash
- Available with hydraulic or electric control
- Wide filtering surface
- Wide range of filtrations available, from 50 to 800 micron (250-20 mesh).
- Standard dimensions from DN50 to DN350 (2" - 14")
- Standard nominal pressure PN10
- Quick and easy installation
- Full support and after-sales service
- Designed, built and tested in Australia



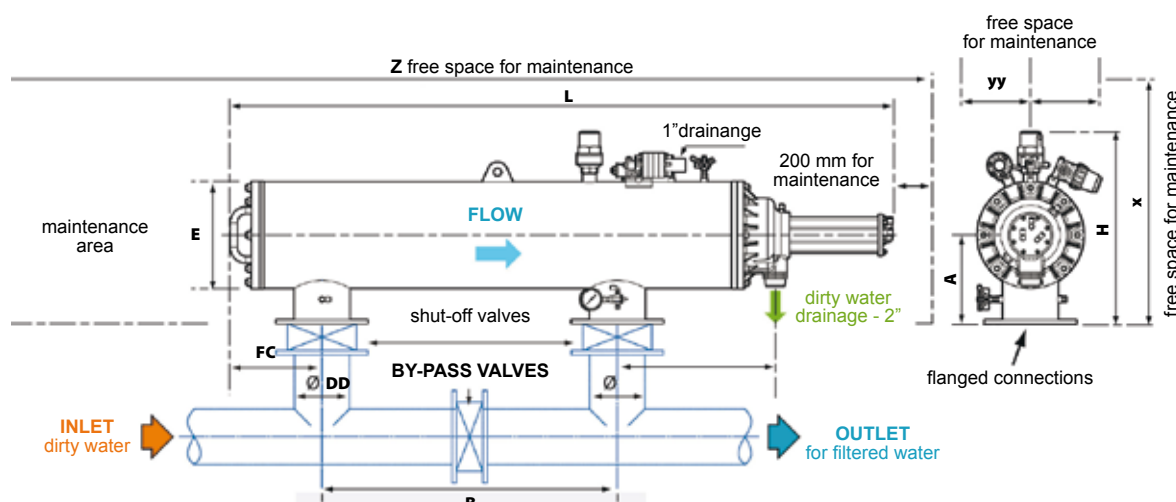
\*Testing for load loss was carried out with clean water.

# FW100EX – FW350

## Technical data

Model	Nominal Dimension D		IN & OUT connections	2mt nominal flow rate of head loss		Filtering surface cm <sup>2</sup>	Dimensions (mm)										Weight (kg)	
	inches	mm		l/s	m <sup>3</sup> /h		A	B	C	E	F	H	L	X	Y	Z	Empty	Full
FW100EX	4	100	DN100	28	100	5600	235	900	466	273	229	525	1952	730	360	3650	85	165
FW100EXL	4	100	DN100	28	100	8115	235	900	829	325	229	525	2315	730	360	4365	104	200
FW 150	6	150	DN150	50	180	5600	270	900	481	325	279	583	2017	780	360	3720	105	215
FW150EX	6	150	DN150	50	180	8115	270	900	844	325	279	583	2380	780	360	4430	115	265
FW 200	8	200	DN200	89	320	8115	270	900	966	325	389	583	2612	780	380	4660	130	320
FW 250	10	250	DN250	111	400	8115	270	900	966	325	392	583	2615	780	400	4660	155	345
FW 250EX	10	250	DN250	111	400	10415	310	1100	966	406	682	665	3105	870	420	5310	235	540
FW 300	12	300	DN300	167	600	10415	310	1100	966	406	682	665	3105	870	420	5310	240	550
FW 350	14	350	DN350	250	900	12170	310	1270	966	406	512	665	3105	870	450	5310	285	595

**Standard model:** AISI 304 stainless steel body, AISI 316 stainless steel, brass, fiberglass reinforced nylon filtering screen, NBR & EPDM gaskets. Body in AISI 316 stainless steel available upon request - **Maximum working pressure:** 10 bar (150psi) - **Minimum line pressure during backwashing:** 2 bar (30psi) - **Backwash cycle FW100EX-FW350:** 15 - 17 secs, 150 Liters - **Maximum working temperature:** 65°C



## ADVANTAGES OF FILTAWORX® AUTOMATIC FILTERS

**Stainless steel body for corrosion resistance in most environments**

**Washing mechanism:** the key feature of the performance and reliability of FILTAWORX® filters is the use of backwash water to activate the washing mechanism. No external engines are used and no electrical supply is required, reducing the number of parts moving and subject to wear. The backwash cycle is automatically activated when a preset pressure drop of 40/50 kPa (0.4 / 0.5 bar) is reached. The filter is cleaned perfectly and at any point thanks to an effective high-speed backwash cycle. **No external power supply** is required (using the hydraulic power unit), all functions are powered only by the line pressure. Unbroken flow during the backwash cycle. **Filtration surface wider** than any other comparable filter. **Excellent filtration** using a precision 316 stainless steel mesh cartridge. **Wide range** of available filtrations, from 50 to 800 micron (250 - 20 mesh) that allows the right choice for each application.

The cartridges can easily be replaced on site to change the degree of filtration.

**Simple and compact installation,** it can be mounted in any position or orientation, with minimum space requirements.

**High reliability** thanks to the reduced number of moving parts. A simple design and a robust structure make FILTAWORX® filters virtually maintenance-free.