

FW050 – FW100

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.
- System 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.

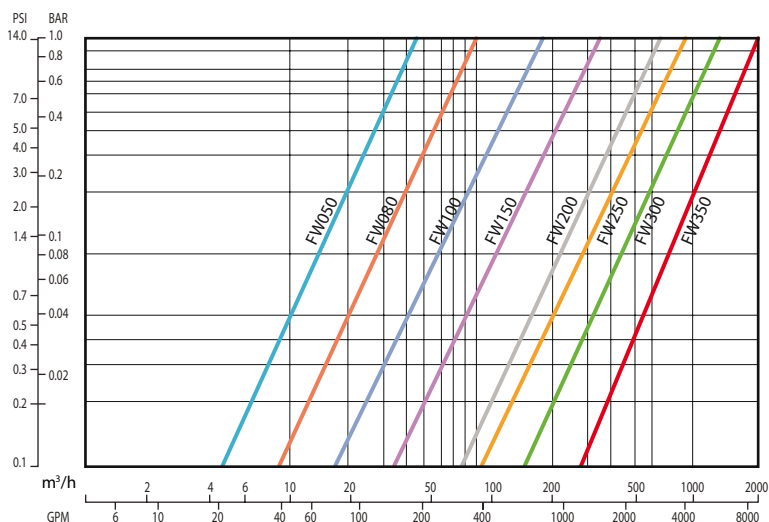


Materials

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

Characteristics

- Fully automatic backwash
- Available with hydraulic or electric control
- Large filtering surface
- Wide range of available filtration, 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



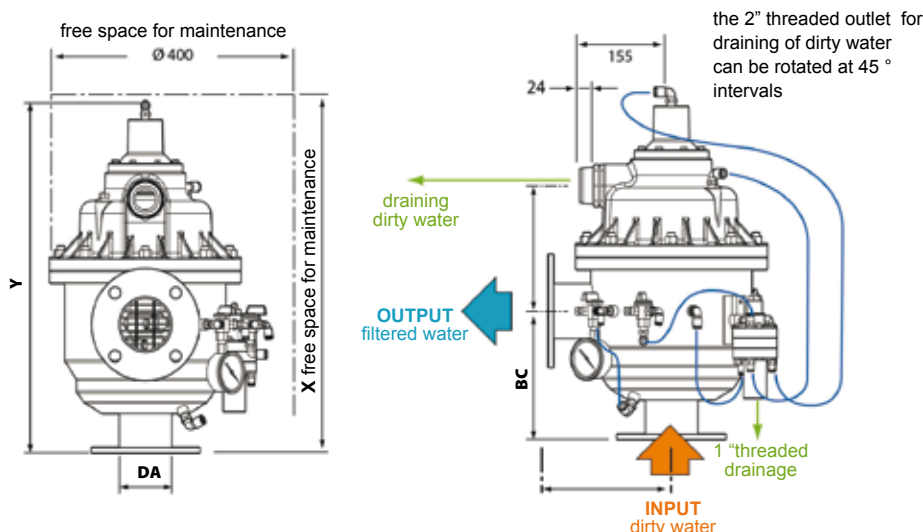
*Testing for load loss was carried out with clean water.

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Technical data

Model	nominal Dimension D		IN & OUT connections	2mt nominal flow rate of head loss		Filtering surface	Dimensions (mm)								Weight (kg)			
	inches	mm		l/s	m ³ /h		cm ²	A	B	C	E	F	H	L	X	Y	Z	Empty
FW 050	2	50	2" BSP	7	25	1220	184	198	204	-	-	-	-	720	560	-	22	42
FW 050 - F	2	50	DN 50	7	25	1220	210	210	204	-	-	-	-	720	575	-	23	43
FW 080	3	80	3" BSP	14	50	1220	194	213	204	-	-	-	-	720	575	-	22	42
FW 080 - F	3	80	DN 80	14	50	1220	210	210	204	-	-	-	-	720	575	-	25	45
FW 080 - EX	3	80	DN 80	14	50	1980	210	315	215	-	-	-	-	900	680	-	29	55
FW 100	4	100	DN 100	22	80	1980	235	315	215	-	-	-	-	900	680	-	30	57

Standard execution: AISI 304 stainless steel body, AISI 316 stainless steel, brass, fiberglass reinforced nylon main filtering screen, NBR & EPDM gaskets. Body in stainless steel AISI 316 available upon request - **Maximum working pressure:** 10 bar (150 psi) - **Minimum line pressure during backwashing:** 2 bar (30 psi) - **Backwash cycle FW050-FW100:** 5 - 7 secs approx. 30 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.