

New

AquaDisc-Automatic Disc Filters

3", 4", 6" & 8"

The AquaDisc Fully Automatic Disc Filter is a compact, efficient, and cost-effective solution designed to protect irrigation systems from impurities and prevent emitter clogging. With automated cleaning and minimal water usage during back flushing, this advanced filter system saves time and energy. The integrated "FILTER SMART" controller ensures optimal operation, enhancing system performance and reducing maintenance efforts.



HIGHLIGHTS

- **Fully Automatic Operation:** Saves time and energy with automatic self cleaning cycles based on pressure differential, time, or manual triggers.
- **Efficient Back Flushing:** Requires less water and time for effective self cleaning of discs.
- **Advanced Control System:** Equipped with the "FILTER SMART" controller for precise and efficient operation.
- **High Filtration Efficiency:** Designed for maximum filtration performance, even in challenging conditions.
- **Modular Manifolds:** Easy to install and expand, adapting to various system needs.
- **Compact Design:** Space-saving and ideal for various irrigation setups.

APPLICATIONS

- **Agriculture:** Ideal for surface water containing algae and organic matter from reservoirs, rivers, and waste treatment plants.
- **Landscaping & Turf Irrigation:** Perfect for institutional parks, residential complexes, sports fields, and golf courses, ensuring uninterrupted water flow and system efficiency.



Technical Data

Filter Model		Aqua Disc 35	Aqua Disc 70	Aqua Disc 105	Aqua Disc 140	Aqua Disc 175	Aqua Disc 210	Aqua Disc 245
		3" x 1 Unit	3" x 2 Units	3" x 3 Unit	3" x 4 Units	3" x 5 Units	3" x 6 Units	3" x 7 Units
Connection Size (Inlet/Outlet)	Inch	3	4		6	6	8	8
	mm	80	100		150	150	200	200
Connection Type		Grooved / Flanged						
Maximum Recommended Flow Rate*	M³/HR	35	70	105	140	175	210	245
	GPM	154	308	462	616	770	924	1078
Maximum Operating Pressure	BAR	10						
	PSI	145						
Minimum Backwash Pressure	BAR	2						
	PSI	30						
Filtration Area	Cm²	1620	3240	4860	6480	8100	9720	11340
	Inch²	251	502	753	1004	1255	1506	1758
Material of Construction		All polymeric (PAGF, PPGF, PP, HDPE, NBR/EPDM, PE), St.St.						
Filtration Degree	Mesh	80 / 120 / 150						
	Microns	200 / 130 / 100						
Maximum Working Temperature (°C / °F)		60 / 140						
Power Input To Controller	By Power Adaptor	6V / 12V DC						
	By Batteries	6V By 4 x 1.5 "D" Size Alkaline Batteries						
Flushing Data								
Flush Duration Per Filter		30 seconds						
Flushing Flow Rate	M³/HR	12						
	GPM	53						

*Maximum flow rate depends on the quality of water and filtration degree

Dimensions

Dimensions		Aqua Disc -35	Aqua Disc -70	Aqua Disc -105	Aqua Disc -140	Aqua Disc -175	Aqua Disc -210	Aqua Disc -245
		3"x1	3"x2	3"x3	3"x4	3"x5	3"x6	3"x7
		3"/80mm	4"/100mm	4"/100mm	6"/150mm	6"/150mm	8"/200mm	8"/200mm
A (Length)	CM	100	73	103	165	195	212	242
	INCH	39	29	41	65	77	83	95
B (Width)	CM	57	100	100	100	100	105	105
	INCH	22	39	39	39	39	41	41
C (Height)	CM	156	130	130	128	128	132	132
	INCH	61	51	51	50	50	52	52

Head loss Chart (In clean water)

