

AquaDisc-Automatic Disc Filters

2", 3", 4" & 6"

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 25	Aqua Disc 50	Aqua Disc 35	Aqua Disc 70	Aqua Disc 105	Aqua Disc 140	Aqua Disc 175	Aqua Disc 210
		2" x 1 Unit	2" x 2 Units	3" x 1 Unit	3" x 2 Units	3" x 3 Units	3" x 4 Units	3" x 5 Units	3" x 6 Units
Connection Size (Inlet/Outlet)	Inch	2	3		4		6	6	6
	mm	50	80		100		150	150	150
Connection Type		Grooved / Flanged							
Maximum Recommended Flow Rate*	M³/HR	25	50	35	70	105	140	175	210
	GPM	110	220	154	308	462	616	770	924
Maximum Operating Pressure	BAR	10							
	PSI	145							
Minimum Backwash Pressure	BAR	2							
	PSI	30							
Filtration Area	M³/HR	1620	3240	1620	3240	4860	6480	8100	9720
	GPM	251	502	251	502	753	1004	1255	1506
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	11							
	GPM	48							

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

Dimensions

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		2" x 1 Unit	2" x 2 Units	3" x 1 Unit	3" x 2 Units	3" x 3 Units	3" x 4 Units	3" x 5 Units	3" x 6 Units
A	CM	118	91	115	103	103	123	123	123
	INCH	47	36	45	41	41	48	48	48
B	CM	56	71	67	91	125	141	178	208
	INCH	22	28	26	36	49	56	70	81
C	CM	171	140	183	143	143	145	145	145
	INCH	67	55	72	56	56	57	57	57

