







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

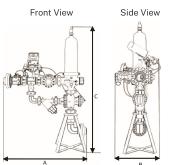
Filter Model			Aqua Disc 25	Aqua Disc 50	Aqua Disc 35	Aqua Disc 70	Aqua Disc 105	Aqua Disc 140	Aqua Disc 175	Aqua Disc 210
		2" x 1 Unit	2" x 2 Units	3" x 1 Unit	3" x 2 Units	3" x 3 Units	3" x 4 Units	3" x 5 Units	3" x 6 Units	
Connection Size		Inch	2	3		4		6	6	6
(Inlet/Outlet)		mm	50	80		100		150	150	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		BAR	2							
Backwash Pressure		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							
Tittlation Degree	-	Microns	200 / 130 / 100							
Maximum Working Temperature (°C / °F)		60 / 140								
Power Input	By Power Adaptor		6V / 12V DC							
To Controller	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
^	СМ	118	91	115	103	103	123	123	123
A	INCH	47	36	45	41	41	48	48	48
В	СМ	56	71	67	91	125	141	178	208
	INCH	22	28	26	36	49	56	70	81
С	СМ	171	140	183	143	143	145	145	145
	INCH	67	55	72	56	56	57	57	57

Single Unit Filter



Multi Unit Filter

