New

AquaDisc-HF Automatic Disc Filters

6", 8", 10" & 12"

AquaDisc Fully Automatic High Flow Disc Filters are polymeric, modular filtration units with a compact footprint. Engineered to safeguard irrigation systems, they effectively prevent emitter clogging by removing impurities with high efficiency. The automated self-cleaning process minimizes water usage during back flushing, conserving water, time, and energy.



HIGHLIGHTS

- Manufactured with high grade anti corrosion polymeric material.
- High filtration area for superior water filtration.
- Innovative Spray-Jet cleaning mechanism for excellent back flushing at lower pressures.
- New distinctive discs design delivers:
  - Excellent dirt removal capacity.
  - Complete protection for irrigation systems.
  - Optimum Irrigation uniformity.
  - Less wear and tear.
- Simple modular design gives flexibility to address flowrates up to 600 m^3/hr.
- Compact foot print for easy installation and maintenance.
- The integrated “FILTER SMART” controller, boosts system performance and reduces maintenance.

APPLICATIONS

Agriculture: Irrigation systems using surface water containing algae and other organic contaminants coming from reservoirs, canals, ponds and rivers.

Landscape & Turf Irrigation:

- Turf irrigation systems for Institutional parks, Residential complexes etc.
- Golf courses, Sports fields, etc.



Technical Data

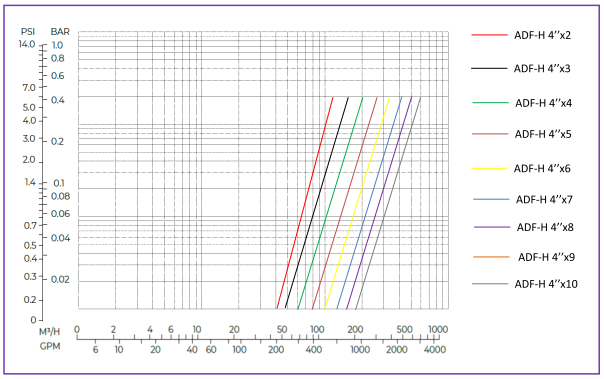
Filter Model		ADF-H (120)	ADF-H (180)	ADF-H (240)	ADF-H (300)	ADF-H (360)	ADF-H (420)	ADF-H (480)	ADF-H (540)	ADF-H (600)
		4" x 2 Units	4" x 3 Units	4" x 4 Unit	4" x 5 Units	4" x 6 Units	4" x 7 Units	4" X 8 Units	4" X 9 Units	4" X 10 Units
Connection Size (Inlet/Outlet)	Inch	6	6	8	8	8	10	10	12	12
	mm	150	150	200	200	200	250	250	250	315
Connection Type		Grooved / Flanged								
Maximum Recommended Flow Rate*	M^3/HR	120	180	240	300	360	420	480	540	600
	GPM	528	792	1056	1320	1584	1848	2112	2376	2640
Maximum Operating Pressure Ba /Psi		10 / 145								
Minimum Backwash Pressure Bar / Psi		2 / 30								
Filtration Area	Cm^2	6480	9720	12960	16200	19440	22680	25920	29160	32400
	$Inch^2$	1004	1507	1506	2009	3013	3515	4018	4520	5022
Material of Construction		All polymeric (PAGF, PPGF, PP, HDPE, NBR/EPDM, PE), St.St.								
Filtration Degree	Mesh	80/120/150								
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 at 2 Bar	M^3/HR	23								
	GPM	101								

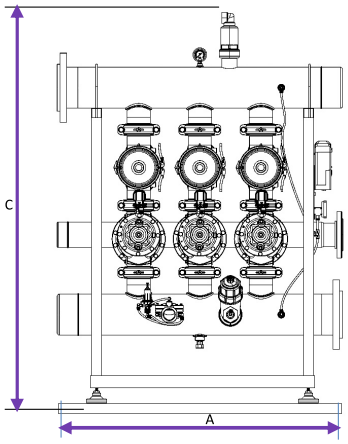
*Maximum flow rate depends on the quality of water and filtration degree.

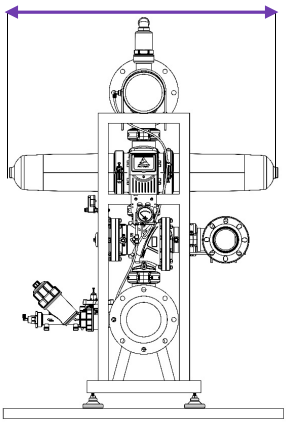
Dimensions

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		4" x 2 Units	4" x 3 Units	4" x 4 Units	4" x 5 Units	4" x 6 Units	4" x 7 Units	4" x 8 Units	4" x 9 Units	4" x 10 Units
A	cm	140	170	200	230	260	290	320	350	380
	Inch	55	67	79	91	103	118	126	138	150
B	cm	140	140	140	140	140	140	140	140	140
	Inch	55	55	55	55	55	55	55	55	55
C	cm	190	190	200	200	200	210	210	223	223
	Inch	75	75	79	79	79	83	83	88	88

Head loss Chart (In clean water)







Creating a Green World®