



APPLICATIONS

Primary or secondary automatic filter for maximum protection in systems irrigating with surface water that contains algae and other organic matter such as reservoirs, canals, rivers and wastewater applications.

FEATURES

- Unique and improved disc design with precise filtration grade through all depths of the disc ensuring better clogging protection
- High dirt holding capacity and high filtration volume and area, coupled with lowest head loss in the industry, ensures higher particles capture, fewer backflush cycles, and less downstream disruption
- Unique modular design offers easy scalability as your needs evolve
- Low backflush flow rate and low head loss result in a significantly more profitable irrigation system
- Alphapollo smart controller with “always on” access to filtration data; IP65 rating
- Vertical installation for a well-designed, more cost-effective irrigation room
- Inline, online and angle configuration (single unit); easily adapted to any system configurations
- Durable and long-lasting product made from anticorrosive materials

RECOMMENDED FLOW RATE

		Alphapollo 3x10					Alphapollo 4x10					Alphapollo 5x10					Alphapollo 6x10					Alphapollo 7x10				
		Excellent	Good	Average	Poor	Very Poor	Excellent	Good	Average	Poor	Very Poor	Excellent	Good	Average	Poor	Very Poor	Excellent	Good	Average	Poor	Very Poor	Excellent	Good	Average	Poor	Very Poor
80 Mesh	GPM	1440	1296	1152	1008	864	1920	1728	1536	1344	1152	2400	2160	1920	1680	1440	2880*	2592*	2304	2016	1728	3360*	3024*	2688*	2352	2016
120 Mesh	GPM	1440	1260	1080	900	720	1920	1680	1440	1200	960	2400	2100	1800	1500	1200	2880*	2520*	2160	1800	1440	3360*	2940*	2520*	2100	1680
140 Mesh	GPM	1440	1224	1008	792	576	1920	1632	1344	1056	768	2400	2040	1680	1320	960	2880*	2448*	2016	1584	1152	3360*	2856*	2352	1848	1344

		Alphapollo 7x12					Alphapollo 8x10					Alphapollo 8x12					Alphapollo 9x12					Alphapollo 10x12				
		Excellent	Good	Average	Poor	Very Poor	Excellent	Good	Average	Poor	Very Poor	Excellent	Good	Average	Poor	Very Poor	Excellent	Good	Average	Poor	Very Poor	Excellent	Good	Average	Poor	Very Poor
80 Mesh	GPM	3360*	3024	2688	2352	2016	3840*	3456*	3072*	2688*	2304	3840*	3456*	3072	2688	2304	4320*	3888*	3456*	3024	2592	4800*	4320*	3840*	3360*	2880
120 Mesh	GPM	3360*	2940	2520	2100	1680	3840*	3360*	2880*	2400	1920	3840*	3360*	2880	2400	1920	4320*	3780*	3240	2700	2160	4800*	4200*	3600*	3000	2400
140 Mesh	GPM	3360*	2856	2352	1848	1344	3840*	3264*	2688*	2112	1536	3840*	3264	2688	2112	1536	4320*	3672*	3024	2376	1728	4800*	4080*	3360*	2640	1920

* Not recommended due to high velocity in manifolds

[Additional Specifications](#) 



TECHNICAL SPECIFICATIONS

	Filtration Area	Filtration Volume	Inlet/Outlet Diameter	Connection & Type	Max Operating Pressure	Weight
	IN ²	IN ³	IN		PSI	LBS
Alphapollo 3x10	2436	1149	10"	Universal Flange	145	731
Alphapollo 4x10	3248	1532	10"			950
Alphapollo 5x10	4060	1915	10"			1267
Alphapollo 6x10	4872	2298	10"			1399
Alphapollo 7x10	5684	2681	10"			1628
Alphapollo 7x12	5684	2681	12"			1832
Alphapollo 8x10	6496	3064	10"			1845
Alphapollo 8x12	6496	3064	12"			2076
Alphapollo 9x12	7308	3447	12"			2292
Alphapollo 10x12	8120	3830	12"			2782

MATERIAL COMPOSITIONS

Filter Housing and Lid	RPA (Reinforced Polyamide)
Discs	PP (Polypropylene) or PA (Polyamide)
Cleaning Mechanism	All Polymeric
Exhaust Valve	All Polymeric
Seals	EPDM
Operating Temperature	5-60 C (40-140 F)

HEADLOSS CHART

