



ADRITEC
YOUR WAY

2 IRRIGATION COMPONENTS



2

Irrigation Components Filters

2b1- Plastic Disc Filters

2b2- Plastic Screen Filters

2b3- Plastic Hydrocyclone Filters & Victaulic Clamps

2b4- Plastic Sand Media Filters

2b5- Metallic Screen Filters

2b6- Metallic Sand Media Filters

2b7- Metal Hydrocyclone Filters

2b8- Self-Cleaning Filters

The Plastic disc filters are made of reinforced fiber glass nylon body with a wide range of filtering capacities. They are available in different mesh sizes ranging from 100 micron to 200 micron, and operate at a pressure of 6 to 10 bars depending on the filter size and body material. Disc filters are available in Y shape, in-line and double chamber filters. Two main categories are available, the wide bodied filters which give a higher filtration area and flow capacity, and the smaller economic body version with a lower filtration area and lower water capacity. All disc filters are made of reinforced PC NBR body, have a PRGF cartridge material and a PP frame material, EPDM seals, with a threaded drain 3/4" Female BSP and a 3/4" Male BSP drain plug. It includes a 2" or 3" BSP plug, a twin connection for pressure guage 1/4" F BSP, stainless steel clamp.

DISC FILTERS Series AFPDVR203

Code	DISC FILTERS 2" & 3"			
	Filter Size Inch	Disc Mesh	Max. Flow Rate m3 per hr	Filtration Surface Area (cm2)
2B1AFDVR0230	2"	120-150	30	1302
2B1AFDVR0235	2"	120-150	35	1805
2B1AFDVRA248	2"	75-150	48	2090
2B1AFDVR0335	3"	120-150	35	1302
2B1AFDVR0345	3"	120-150	45	1805
2B1AFDVRA360	3"	75-150	60	2090

• Maximum working pressure: 10 bar (145 PSI)

• Threaded drain 3/4" F BSP



DISC FILTERS Series AFPDY3420

Code	DISC FILTERS 3/4" to 2"			
	Filter Size Inch	Disc Mesh	Max. Flow Rate m3 per hr	Filtration Surface Area (cm2)
2B1AFDY03403	3/4"	120-150	3	155
2B1AFDY00105	1"	120-150	5	155
2B1AFDYA0105	1"	120	5.5	204
2B1AFDY01408	1 1/4"	120-150	8	403
2B1AFDY01210	1 1/2"	120-150	10	403
2B1AFDYA1214	1 1/2"	120	14	281
2B1AFDY00212	2"	120-150	12	403

• Maximum working pressure: 6 bar

• Threaded drain 1/2" F BSP



DOUBLE CHAMBER DISC FILTER Series AFPDCC304

Code	DOUBLE CARTRIDGE DISC FILTERS 3" & 4"			
	Filter Size Inch	Disc Mesh	Max. Flow Rate m3 per hr	Filtration Surface Area (cm2)
2B1AFDCC0350	3"	100,150	50	2604
2B1AFDCC0470	4"	120,150	70	2604
2B1AFDCCS360	3"	120,150	60	3610
2B1AFDCCS480	4"	120,150	80	3610

• Maximum working pressure: 10 bar.

• Threaded drain 3/4" F BSP



Plastic screen filter bodies are made of Polypropelene for the economic type, or reinforced fiber glass nylon body for the wide bodied filters, with a wide range of filtration capacities. They are supplied either with a single or a double screen net cartridge. Available either in Y filters or In-line filters. The wide bodied filters have a higher filtration area and water capacity where as the smaller economic body version have a lower filtration area and water capacity. The seals are EPDM, drain plug is 3/4" Male BSP 2" or 3" BSP plug included, a twin connection for pressure guage 1/4" F BSP, a stainless steel or Plastic clamp depending on filter size.

SCREEN FILTERS Series AFPSVR203

Code	Vertical Screen Filters 2" - 3"			
	Filter Size Inch	Screen Mesh	Max.Flow Rate m3 per hr	Filtration Surface Area CM 2
2B2AFSVRA240	2"	80/32-200/32	40	770
2B2AFSVRA248	2"	80/32-200/32	48	1150
2B2AFSVRA360	3"	80/32-200/32	60	1150
2B2AFSVR0230	2"	120-150	30	726
2B2AFSVR0235	2"	120-150	35	968
2B2AFSVR2240	2 1/2"	120-150	40	726
2B2AFSVR2245	2 1/2"	120-150	45	968
2B2AFSVR0350	3"	120-150	50	726
2B2AFSVR0355	3"	120-150	55	968



- Maximum working pressure: 10 bar (145 PSI)
- Threaded drain 3/4" F BSP

SCREEN FILTERS Series AFPSYR213

Code	Y Screen Filters 2 1/2" & 3"			
	Filter Size Inch	Screen Mesh	Max.Flow Rate m3 per hr	Filtration Surface Area CM 2
2B2AFSYRA346	3"	80/32-200/32	46	913
2B2AFSYR2235	2 1/2"	120-150	35	726
2B2AFSYR2240	2 1/2"	120-150	40	968
2B2AFSYR0345	3"	120-150	45	726
2B2AFSYR0355	3"	120-150	55	968



- Maximum working pressure: 8 bar (145 PSI)
- Threaded drain 3/4" or 1" F BSP

SCREEN FILTERS Series AFPSY0122

Code	Y SCREEN FILTERS 1/2" - 2"			
	Filter Size Inch	Screen Mesh	Max.Flow Rate m3 per hr	Filtration Surface Area CM 2
2B2AFSYA1205	1/2"	50-150	5	73
2B2AFSYA3405	3/4"	50-150	5	73
2B2AFSYA1006	1"	50-150	6	113
2B2AFSYA1409	1 1/4"	50-150	9	196
2B2AFSYA1210	1 1/2"	80/32-200/32	10	291
2B2AFSYA2010	2"	80/32-200/33	10	291
2B2AFSYA2023	2"	80/32-200/34	23	531
2B2AFSY03403	3/4"	120-150	3	116
2B2AFSY01005	1"	120-150	5	116
2B2AFSY01408	1 1/4"	120-150	8	280
2B2AFSY01210	1 1/2"	120-150	10	280
2B2AFSY02012	2"	120-150	12	280



- Maximum working pressure: 10 bar (145 PSI)
- Threaded drain 3/4" or 1" F BSP

A newly developed filter especially made to handle the highly abrasive action of dirty water, where the plastic inner body withstands the hammering effect of sand in irrigation water at a much higher level when compared to standard metallic hydrocyclone filters. The Plastic hydrocyclone filters are made of high quality polyamide materials. The maximum working pressure is 6 bar. It comes in three models with an outlet sizes of 2", 2 1/2" and 3".

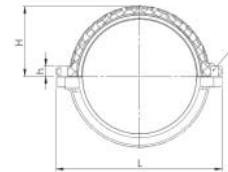
Plastic Hydrocyclone Filter

Plastic Hydrocyclone Filter Series AFPHY2030				
Code	Plastic Hydro Cyclone FILTERS 2", 2 1/2" & 3"			
	Filter Inlet / Outlet	Nominal Flow Rate		Connection Type
	Inch	M3 / Hr.	GPM	
2B3AFPHYT020	2"	20	88	M Thread
2B3AFPHYT022	2 1/2"	30	132	M Thread
2B3AFPHYT030	3"	40	175	M Thread



Plastic Victaulic Clamps

Plastic Victaulic Clamps Series AFPVC2060						
Code	Dimater inch	Dimensions mm				Max. Pressure Bar
		L	H	h	T	
2B3AFPVC0020	2"	133	45	15	10	10
2B3AFPVC0022	2 1/2"	146	55	19	10	10
2B3AFPVC0030	3"	165	62.5	24	12	10
2B3AFPVC0040	4"	195	75	24	12	10
2B3AFPVC0050	5"	230	88.0	24	12	8
2B3AFPVC0060	6"	260	101.8	19	14	8



A newly developed product range of plastic sand media filters made out of Polyamide raw material which comes in three outlet sizes of 2", 2 1/2" and 3". This product has many advantages over the standard metallic sand media filters particularly its long service life due to high resistance to rust, operational wear and tear caused by the highly pressurized water which can be abrasive to the inner walls of any filter. It does not require re-painting season after season. The maximum working pressure is 6 bar.



Plastic Sand Media Filter Series AFPSV2030

Code	Plastic Sand Media Filters 2" , 2 1/2" , 3"			
	Filter Inlet / Outlet Inch	Nominal Flow Rate		Filtration Surface Area M2
M3 / Hr.		GPM		
2B4AFPSV0020	2"	20	90	0.29
2B4AFPSV0022	2 1/2"	25	110	0.29
2B4AFPSV0030	3"	30	130	0.29

The heavy duty metallic screen filters are an epoxy painted body which comes with a single or double internal cartridge made of a PVC and stainless steel screen cartridge. The screen filters are available with an 80, 100 and 120 mesh screen element. Available in in-line or vertical models.

Metallic Screen filter Series AFMS02340

Code	METALLIC SCREEN FILTERS 2", 3" & 4"			
	Filter Inlet / Outlet Inch	Screen Mesh	Max.Flow Rate m ³ / HR	No. of Cartridges
2B5AFMSDC082	2"	80	17	2
2B5AFMSDC102	2"	100	17	2
2B5AFMSDC122	2"	120	17	2
2B5AFMSSC082	2"	80	17	1
2B5AFMSSC102	2"	100	17	1
2B5AFMSSC122	2"	120	17	1
2B5AFMSDC083	3"	80	34	2
2B5AFMSDC103	3"	100	34	2
2B5AFMSDC123	3"	120	34	2
2B5AFMSSC083	3"	80	34	1
2B5AFMSSC103	3"	100	34	1
2B5AFMSSC123	3"	120	34	1
2B5AFMSDC084	4"	80	56	2
2B5AFMSDC104	4"	100	56	2
2B5AFMSDC124	4"	120	56	2
2B5AFMSSC084	4"	80	56	1
2B5AFMSSC104	4"	100	56	1
2B5AFMSSC124	4"	120	56	1



Metallic Sand Media Filters are mostly used to filter irrigation water fed from rivers, canals, and sources of treated water as they are most efficient in the removal bacterial sludge, algae, clay soils, and solid particles suspended in water. Filters are made of non-corrosive stainless steel or epoxy painted steel and are available with an automatic or a manual back flushing system. Diffusers are mounted on the under drain of the filter for optimal filtration and act as a screen filter to prevent passage of inorganic materials. Sand Media filters are available either in a single chamber filter, vertical & horizontal, or double chamber horizontal filters. The gravel used in sand filters is silica sand, where the granular size is determined by the water quality to be filtered. Grain size ranges from 0.5mm to 6mm.

Sand Media Filter Series AFMS02346

Code	Metallic Sand Media Filters 2", 3", 4" & 6"			
	Filter Inlet / Outlet Inch	Nominal Flow Rate		Filtration Surface Area M2
		M3 / Hr.	GPM	
2B6AFMSV0020	2"	17 - 22	75 - 97	0.28
2B6AFMSV0030	3"	34 - 42	150 - 185	0.57
2B6AFMSV0040	4"	57 - 74	250 - 325	0.95
2B6AFMSHS020	2"	18 - 23	79 - 100	0.30
2B6AFMSHS030	3"	39 - 50	170 - 220	0.65
2B6AFMSHS040	4"	57 - 74	250 - 325	0.96
2B6AFMSHD030	3"	36 - 47	150 - 200	0.60
2B6AFMSHD040	4"	60 - 78	265 - 340	1.00
2B6AFMSHD160	6"	108 - 140	475 - 620	1.80



Automatic Backwash Sand Media Filter Series AFMSA0346

Code	Automatic Backwash Sand Media Filters				
	Filter Size	Filter No.	Controller No.	Controller St.	Nominal Flow Rate M3 / Hr
2B6AFMSHA036	3"	1	1	2	36
2B6AFMSHA060	4"	1	1	2	60
2B6AFMSHA108	6"	1	1	2	108
2B6AFMSVA072	3"	2	1	2	72
2B6AFMSVA108	3"	3	1	4	108
2B6AFMSVA144	3"	4	1	4	144
2B6AFMSVA180	3"	5	2	6	180
2B6AFMSVA216	3"	6	2	6	216
2B6AFMSVA282	3"	7	2	8	282
2B6AFMSVA288	3"	8	2	8	288



Hydrocyclone filters deploy the centrifugal action to the water flow which creates a tangential exertion of the solid particles away from the outlet and into the sand pit at its bottom end. It is ideal for sand contaminated water, silt, and solid particles. The heavy duty non-corrosive steel is utilized in agricultural irrigation in addition to industrial and domestic applications. It is offered in different capacities and outlet sizes. The standard maximum working pressure is 6 Bar, but models withstanding higher working pressure can be supplied upon request.

Metallic Hydrocyclone Filter Series AFMHY0234

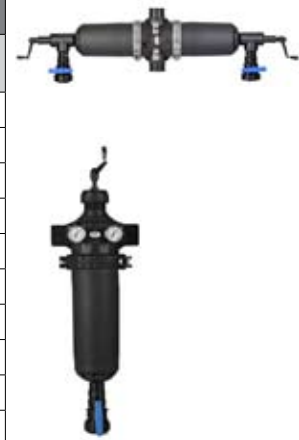
Code	Metallic Hydrocyclone Filters 2", 3" & 4"			
	Filter Inlet / Outlet Inch	Nominal Flow Rate		Connection Type
		M3 / Hr.	GPM	
2B7AFMHYT020	2"	17	75	M Thread
2B7AFMHYT030	3"	34	150	M Thread
2B7AFMHYT040	4"	57	250	M Thread
2B7AFMHYF020	2"	17	75	Flange
2B7AFMHYF030	3"	34	150	Flange
2B7AFMHYF040	4"	57	250	Flange



All Adritec filters can be supplied with mechanisms to turn the filter into either a manual or an automatic self cleaning filter. The manual self-cleaning filter has a special cleaning handle which when manually turned cleans the filter screen while the filter continues its operation. The automatic cleaning system is supplied with a controller that sets the washing cycle at variable durations as required by the user, or operates once the pressure in the filter exceeds a pre-determined set pressure level. Complete automatic self-cleaning filtration stations are also available on demand and are designed to meet any system requirement.

Manual Self Cleaning Filters Series AFSCM2040

Code	Manual Self Cleaning Screen Filters 2", 3" & 4"			
	Filter Size Inch	Screen Mesh	Max. Flow Rate m3 per hr	Filtration Surface Area cm2
2B8AFSCMA240	2"	80/32-200/32	40	770
2B8AFSCMA360	3"	80/32-200/32	60	1150
2B8AFSCM0230	2"	120-150	30	726
2B8AFSCM0235	2"	120-150	35	968
2B8AFSCM2240	2 1/2"	120-150	40	726
2B8AFSCM2245	2 1/2"	120-150	45	968
2B8AFSCM0350	3"	120-150	50	726
2B8AFSCM0355	3"	120-150	55	968
2B8AFSCM0460	4"	120-150	60	1452
2B8AFSCM0480	4"	120-150	80	1936



AUTOMATIC BACKWASH SELF-CLEANING FILTERS Series AFSCAD3040

Code	AUTOMATIC BACKWASH DISC FILTERS			
	Filter Size	Filter No.	Controller No. St.	Max. Flow Rate m3 per hr
2B8AFSCADD01	4"	1	1 2	70
2B8AFSCADD02	4"	2	1 2	140
2B8AFSCADD03	4"	3	1 4	210
2B8AFSCADD04	4"	4	1 4	280
2B8AFSCADD05	4"	5	2 6	350
2B8AFSCADD06	4"	6	2 6	420
2B8AFSCADD07	4"	7	2 8	490
2B8AFSCADD08	4"	8	2 8	560
2B8AFSCASD01	3"	1	1 2	30
2B8AFSCASD02	3"	2	1 2	60
2B8AFSCASD03	3"	3	1 4	90
2B8AFSCASD04	3"	4	1 4	120
2B8AFSCASD05	3"	5	2 6	150
2B8AFSCASD06	3"	6	2 6	180
2B8AFSCASD07	3"	7	2 8	210
2B8AFSCASD08	3"	8	2 8	240

