

# Y Type Screen Filters

AQ-121Y



AQ-122Y



Specifications	AQ-121Y		AQ-122Y	
	US Standard	Metric Standard	US Standard	Metric Standard
Inlet / outlet	3/4" NPT	3/4" BSP	1" NPT male thread	1" BSP male thread
Maximum Operating Pressure	85 PSI	6 Kg/cm <sup>2</sup>	85 PSI	6 Kg/cm <sup>2</sup>
Range of Flow Rate	15-25 GPM	4-6 m <sup>3</sup> /hr	22-35 GPM	5-8 m <sup>3</sup> /hr
Nominal Flow Rate	20 GPM	5m <sup>3</sup> /hr	30 GPM	7m <sup>3</sup> /hr
Filtration Surface Area	18.6 in <sup>2</sup>	120cm <sup>2</sup>	18.6 in <sup>2</sup>	120cm <sup>2</sup>
Material of Construction	Polypropylene		Polypropylene	
Filtering Cartridge	304/316 Grade Stainless Steel Screen		304/316 Grade Stainless Steel Screen	
Cartridge Diameter	1.89 Inches	48mm	1.89 Inches	48 mm
Cartridge Length	5.95 Inches	151mm	5.95 Inches	151mm
Available Mesh	80, 120, 150 mesh	80, 120, 150 mesh	80, 120, 150 mesh	80, 120, 150 mesh

## Filtering Element

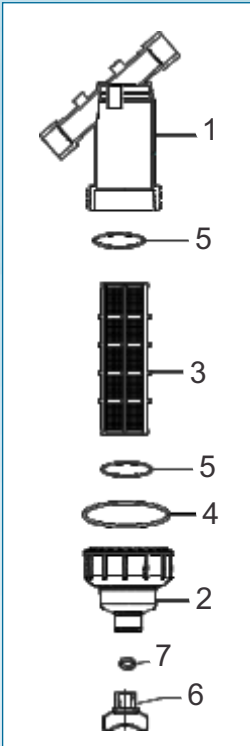
80 Mesh 

120 Mesh 

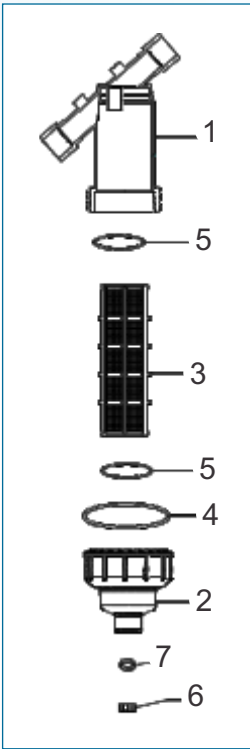
150 Mesh 

Head Loss : AQ-121Y						Head Loss : AQ-122Y						
Flow m <sup>3</sup> /hr	2	3	4	5	6	Flow m <sup>3</sup> /hr	4	5	6	7	8	9
Pressure Loss kg/cm <sup>2</sup>	0.06	0.11	0.2	0.3	0.43	Pressure Loss kg/cm <sup>2</sup>	0.20	0.26	0.33	0.45	0.55	0.69
Flow GPM	10	15	17	20	25	Flow GPM	17.6	22	26.4	30.8	35.2	39.6
Pressure Loss PSI	0.93	1.69	2.73	4.10	5.92	Pressure Loss PSI	2.84	3.69	4.68	6.39	7.81	9.80

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3/4" Screen Filter (Model 121 Y -4-6 m <sup>3</sup> /hr)				
AIPL CODE	DESCRIPTION	INLET/OUTLET	CONNECTION SIZE	MICRON /MESH
14310001	3/4" Screen Filter Y Type 120 Mesh	Male Thread NPT	3/4"	130/120
14040001	3/4" Screen Filter Y Type 120 Mesh	Male Thread BSP	3/4"	130/120
SPARE PARTS				
S. NO	PARTS NAME	PART CODE	MATERIAL	QTY
1	Body (BSP Thread)	12490042	PP	1
	Body (NPT Thread )	12490044		
2	Cap	12490046	PP	1
3	Screen Cartridge (80 Mesh) Black	14120023	Glass reinforced PP	1
	Screen Cartridge (120 Mesh) Blue	14120001		
	Screen Cartridge (150 Mesh) Red	14120012		
4	Cap O-Ring	50010044	NBR	1
5	Cartridge O-Ring	50010045/50010081	NBR	2
6	1/2 End Plug	12490051	Glass Reinforced Nylon	1
7	End Plug Washer	50020001	NBR	1



1" Screen Filter (Model 122 Y -5-8 m <sup>3</sup> /hr)				
AIPL CODE	DESCRIPTION	INLET/OUTLET	CONNECTION SIZE	MICRON /MESH
14310002	1" Screen Filter Y Type 120 Mesh	Male Thread NPT	1"	130/120
14040002	1" Screen Filter Y Type 120 Mesh	Male Thread BSP	1"	130/120
SPARE PARTS				
S. NO	PARTS NAME	PART CODE	MATERIAL	QTY
1	Body (BSP Thread)	12490043	PP	1
	Body (NPT Thread )	12490045		
2	Cap	12490046	PP	1
3	Screen cartridge (80 mesh) Black	14120023	Glass reinforced PP	1
	Screen Cartridge (120 Mesh) Blue	14120001		
	Screen Cartridge (150 Mesh) Red	14120012		
4	Cap O-Ring	50010044	NBR	1
5	Cartridge O-Ring	50010045/50010081	NBR	2
6	3/4" End Cap	12490057	PA	1
7	End Cap Washer	50020003	NBR	1