

Creating a Green World

AQua

2015

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Introduction

The evolution of micro Irrigation industry is a continuous journey on the path of low energy and precision application. This has been happening by reducing the aperture of water outlet.

Given the quality of water, the success of this stupendous task would not have been possible without good quality primary and secondary filtration systems.

The filtration equipment developed by us keep in mind the extreme hostile environment that they are subjected to.

The popularity of metal filtration equipment though on the decline is still high and the biggest challenge for us is creating an acceptance for longer lasting plastic filtration equipment in certain markets.

TEAM AQUA

ABBREVIATIONS USED IN THIS CATALOG

- PP – Polypropylene
- PA – Polyamide (Nylon)
- POM – Polyoxymethylene (Polyacetal)
- PVC – Polyvinyl Chloride
- EPDM – Ethylene Propylene Diene Monomer
- NBR – Nitrile Butadiene Rubber
- TPU – Thermoplastic Polyurethane
- SS – Stainless Steel

FILTERING ELEMENT



Inside to Outside
Flow (Screen)



Outside to Inside
Flow (Screen)



Outside to Inside
Flow (Disc)

AUTOMAT FILTERS (Metric Standard)

	SCREEN										DISC					
Model	121Y/122Y	123YF/123Y	124YS	124Y	124T	124TL	125T	125T-L	126T	126T-L	134TS	134T	135T	135TL	136TS	136T
Max. Operating Pressure	6 kg/cm2	8 kg/cm2	8 kg/cm2	8 kg/cm2	10 kg/cm2	10 kg/cm2	10 kg/cm2	10 kg/cm2	10 kg/cm2	10 kg/cm2	10 kg/cm2	10 kg/cm2	10 kg/cm2	10 kg/cm2	10 kg/cm2	10 kg/cm2
Max. Recommended flow	83 lit/m (5 m3/h)	250 lit/m (15 m3/h)	333 lit/m (20 m3/h)	417 lit/m (25 m3/h)	417 lit/m (25 m3/h)	500 lit/m (30 m3/h)	500 lit/m (30 m3/h)	667 lit/m (40 m3/h)	667 lit/m (40 m3/h)	833 lit/m (50 m3/h)	417 lit/m (25 m3/h)	500 lit/m (30 m3/h)	500 lit/m (30 m3/h)	667 lit/m (40 m3/h)	667 lit/m (40 m3/h)	833 lit/m (50 m3/h)
Range of Flow Rate	4 – 6 m3/h	12 – 16 m3/h	18 – 22 m3/h	18 – 27 m3/h	20 – 27 m3/h	25 – 35 m3/h	27 – 35 m3/h	35 – 45 m3/h	35 – 45 m3/h	45 – 52 m3/h	18 – 27 m3/h	22 – 35 m3/h	25-35 m3/h	35 – 45 m3/h	35 – 45 m3/h	45 – 52 m3/h
Filter Screen (Standard)	120 mesh SS (removable cartridge)	120/30 mesh double net SS (removable cartridge)	120/30 mesh double net SS (removable cartridge)	120/30 mesh double net SS (removable cartridge)	120/30 mesh double net SS (removable cartridge)	120/30 mesh double net SS (removable cartridge)	120/30 mesh double net SS (removable cartridge)	120/30 mesh double net SS (removable cartridge)	120/30 mesh double net SS (removable cartridge)	120/30 mesh double net SS (removable cartridge)	120 mesh PP disc (removable cartridge)	120 mesh PP disc (removable cartridge)	120 mesh PP disc (removable cartridge)	120 mesh PP disc (removable cartridge)	120 mesh PP disc (removable cartridge)	120 mesh PP disc (removable cartridge)
Filtration Surface area	120 cm2	295 cm2	295 cm2	492 cm2	492 cm2	831 cm2	492 cm2	831 cm2	831 cm2	1108 cm2	878 cm2	1193 cm2	878 cm2	1193 cm2	1193 cm2	1690 cm2
Inlet/outlet connection	3/4"/1" BSPT male thread	1-1/2" BSPT/ NPT male thread	2" BSPT /NPT male thread	2" BSPT /NPT male thread	2" BSPT /NPT male thread	2" BSPT /NPT male thread	2.5" BSP/ NPT male thread	2.5" BSP/ NPT male thread	3" BSP/NPT male thread	3" BSP/NPT male thread	2" BSP/NPT male thread	2" BSP/NPT male thread	2.5" BSP/ NPT male thread	2.5" BSP/ NPT male thread	3" BSP/NPT male thread	3" BSP/NPT male thread
Distance between End Connections	155.5 mm	237mm	237mm	303mm	340mm	340mm	343mm	343 mm	345mm	345mm	340 mm	340 mm	343mm	343mm	345mm	345mm
Filter height (End cap + Drain valve)	186 mm	226 mm	226 mm	286 mm	620 mm	680 mm	630 mm	680 mm	695 mm	825 mm	594 mm	670 mm	594 mm	670 mm	695 mm	825 mm
Filter width	84 mm	125 mm	125 mm	170 mm	249 mm	249 mm	249 mm	249 mm	249 mm	249 mm	249 mm	249 mm	249 mm	249 mm	249 mm	249 mm
Cartridge Diameter	48 mm	69 mm	69 mm	109 mm	109 mm	118 mm	109 mm	118 mm	118 mm	118 mm	131 mm	131 mm	131 mm	131 mm	131 mm	131 mm
Cartridge Length	150 mm	222 mm	222 mm	286 mm	286 mm	378.5 mm	286 mm	378.5 mm	378.5 mm	502 mm	300 mm	400 mm	300 mm	400 mm	400 mm	525 mm
Drain Valve connection	1/2" female thread	3/4" male thread	3/4" male thread	3/4" male thread	3/4" male thread	3/4" female thread	3/4" female thread	3/4" female thread	3/4" female thread	3/4" female thread	3/4" female thread	3/4" female thread	3/4" female thread	3/4" female thread	3/4" female thread	3/4" female thread
Drain Valve Details	End Plug	End Plug	End Plug	End Plug	3/4"M x 3/4"M valve	3/4"M x 3/4"M valve	3/4"M x 3/4"M	3/4"M x 3/4"M	3/4"M x 3/4"M	3/4"M x 3/4"M	3/4"M x 3/4"M valve	3/4"M x 3/4"M valve	3/4"M x 3/4"M valve	3/4"M x 3/4"M valve	3/4"M x 3/4"M valve	3/4"M x 3/4"M valve
Weight (kg)	0.22	0.76	0.78	1.68	3.72	3.72	3.76	4.34	4.44	5.06	4.9	5.52	4.9	5.54	5.86	6.8

Y Type Screen Filters

AQ-121Y



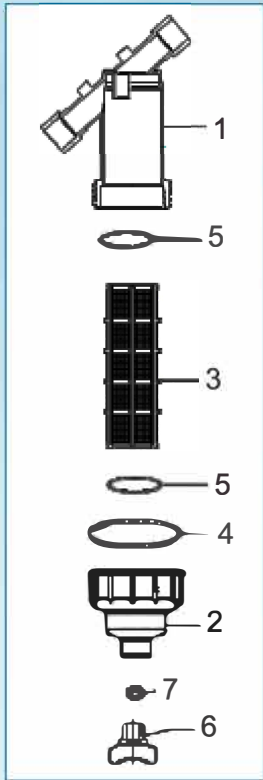
AQ-122Y



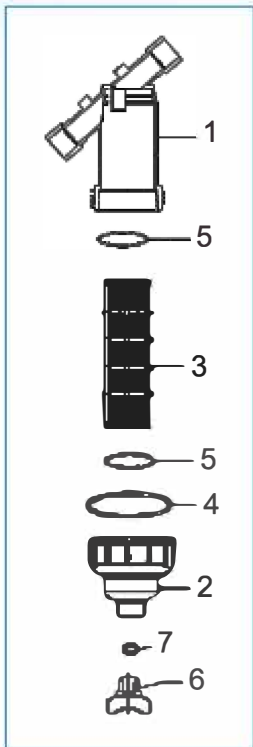
Specifications	AQ-121Y		AQ-122Y	
	US Standard	Metric Standard	US Standard	Metric Standard
Inlet / outlet	3/4" NPT	3/4" BSP	1" NPT	1" BSP
Maximum Operating Pressure	85 PSI	6 Kg/cm ²	85 PSI	6 Kg/cm ²
Range of Flow Rate	15-25 GPM	4-6 m ³ /hr	15-25 GPM	4-6 m ³ /hr
Nominal Flow Rate	20 GPM	5m ³ /hr	20 GPM	5m ³ /hr
Filtration Surface Area	18.6 in ²	120cm ²	18.6 in ²	120cm ²
Material of Construction	Polypropylene		Polypropylene	
Filtering Cartridge	304/316 Grade Stainless Steel Screen		304/316 Grade Stainless Steel Screen	
Cartridge Diameter	1.9 Inches	48mm	1.9 Inches	48mm
Cartridge Length	5.9 Inches	150mm	5.9 Inches	150mm
Available Micron	130	130	130	130

Flow Loss						Flow Loss					
Flow m ³ /hr	2	3	4	5	6	Flow m ³ /hr	2	3	4	5	6
Pressure Loss kg/cm ²	0.06	0.11	0.2	0.3	0.43	Pressure Loss kg/cm ²	0.06	0.11	0.2	0.3	0.43
Flow GPM	10	15	17	20	25	Flow GPM	10	15	17	20	25
Pressure Loss PSI	0.93	1.69	2.73	4.10	5.92	Pressure Loss PSI	0.93	1.69	2.73	4.10	5.92

Y Type Screen Filters



3/4" Screen Filter (Model 121 Y -4-6 m ³ /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	End Plug	12490051	Glass reinforced PP	1
7	End Plug Washer	50020001	NBR	1



1" Screen Filter (Model 122 Y -4-6 m ³ /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	End Plug	12490051	Glass reinforced PP	1
7	End Plug Washer	50020001	NBR	1

Y Type Screen Filters



AQ-123Y

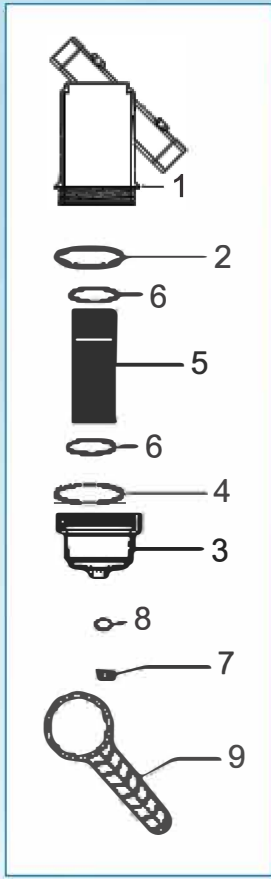


Specifications	AQ-123YF		AQ-123Y	
	US Standard	Metric Standard	US Standard	Metric Standard
Inlet / outlet	1 1/4" NPT Female	1 1/4" BSP Female	1 1/2" NPT	1 1/2" BSP
Maximum Operating Pressure	110 PSI	8 Kg/cm ²	110 PSI	8 Kg/cm ²
Range of Flow Rate	50-70 GPM	12-16 m ³ /hr	50-70 GPM	12-16 m ³ /hr
Nominal Flow Rate	65 GPM	15m ³ /hr	65 GPM	15m ³ /hr
Filtration Surface Area	46 in ²	295cm ²	46 in ²	295cm ²
Material of Construction	Polypropylene Glass Reinforced		Polypropylene Glass Reinforced	
Filtering Cartridge	304/316 Grade Stainless Steel Screen		304/316 Grade Stainless Steel Screen	
Cartridge Diameter	2.7 Inches	69mm	2.7 Inches	69mm
Cartridge Length	8.7 Inches	222mm	8.7 Inches	222mm
Available Micron	I30	I30	I30	I30

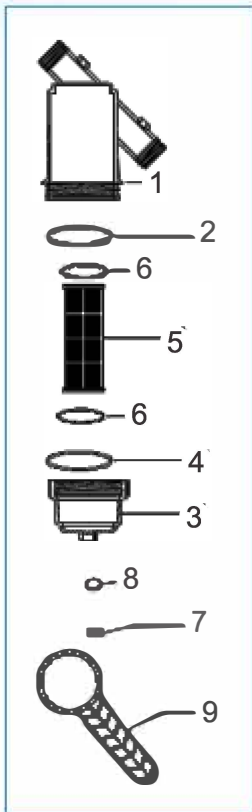
Flow Loss					
Flow m ³ /hr	9.6	12	15	16	19.2
Pressure Loss kg/cm ²	0.06	0.10	0.12	0.15	0.20
Flow GPM	42.0	50.0	65.0	70.0	85.0
Pressure Loss PSI	0.85	1.32	1.65	2	2.832

Flow Loss					
Flow m ³ /hr	9.6	12	15	16	19.2
Pressure Loss kg/cm ²	0.11	0.15	0.2	0.22	0.28
Flow GPM	42.0	50.0	65.0	70.0	85.0
Pressure Loss PSI	1.52	1.92	2.71	3.10	4.06

Y Type Screen Filters



1 1/4" FEMALE TYPE Screen Filter (Model 123 YF - 15 m³/hr)				
AIPL CODE	DESCRIPTION	INLET/OUTLET	CONNECTION SIZE	MICRON /MESH
14140006	1 1/4" Screen Filter Y - Type 120 Mesh	Female Thread NPT	1 1/4"	130/120
14140007	1 1/4" Screen Filter Y - Type 120 Mesh	Female Thread BSP	1 1/4"	130/120
SPARE PARTS				
S. NO	PARTS NAME	PART CODE	MATERIAL	QTY
1	Body (BSP Thread) Without Hole	12490059	Glass reinforced PP	1
	Body (NPT Thread) Without Hole	12490060		
2	Body o-ring	50010050	NBR	1
3	Cap	12490063	Glass reinforced PP	1
4	Cap Gasket	50030025	NBR	1
5	Screen Cartridge (80 Mesh) Black	12490066	Glass reinforced PP	1
	Screen Cartridge (120 Mesh) Blue	12490064		
	Screen Cartridge (150 Mesh) Red	12490065		
6	Cartridge O-Ring	50010082	NBR	1
7	3/4" End Cap	12490057	PA	1
8	End Cap Washer	50020003	NBR	1
9	Spanner (Key)	12490114	Glass reinforced PP	1



1 1/2" Screen Filter (Model 123 Y - 15 m³/hr)				
AIPL CODE	DESCRIPTION	INLET/OUTLET	CONNECTION SIZE	MICRON /MESH
14310003	1 1/2" Screen Filter Y - Type 120 Mesh	Male Thread NPT	1 1/2"	130/120
14040003	1 1/2" Screen Filter Y - Type 120 Mesh	Male Thread BSP	1 1/2"	130/120
SPARE PARTS				
S. NO	PARTS NAME	PART CODE	MATERIAL	QTY
1	Body (BSP Thread) Without Hole	12490059	Glass reinforced PP	1
	Body (NPT Thread) without Hole	12490060		
2	Body O-Ring	50010050	NBR	1
3	Cap	12490063	Glass reinforced PP	1
4	Cap Gasket	50030025	NBR	1
5	Screen Cartridge (80 Mesh) Black	12490066	Glass reinforced PP	1
	Screen Cartridge (120 Mesh) Blue	12490064		
	Screen Cartridge (150 Mesh) Red	12490065		
6	Cartridge O-Ring	50010082	NBR	1
7	3/4" End Cap	12490057	PA	1
8	End Cap Washer	50020003	NBR	1
9	Spanner (Key)	12490114	Glass reinforced PP	1

Y Type Screen Filters



AQ-124Y

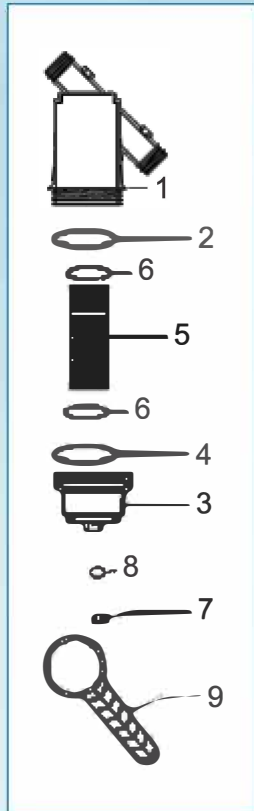


Specifications	AQ-124YS		AQ-124Y	
	US Standard	Metric Standard	US Standard	Metric Standard
Inlet / outlet	2" NPT	2" BSP	2" NPT	2" BSP
Maximum Operating Pressure	110 PSI	8 Kg/cm ²	110 PSI	8 Kg/cm ²
Range of Flow Rate	80-95 GPM	18-22 m ³ /hr	80-120 GPM	18-27 m ³ /hr
Nominal Flow Rate	85 GPM	20m ³ /hr	110 GPM	25m ³ /hr
Filtration Surface Area	46 in ²	295cm ²	76 in ²	492cm ²
Material of Construction	Polypropylene Glass Reinforced		Polypropylene Glass Reinforced	
Filtering Cartridge	304/316 Grade Stainless Steel Screen		304/316 Grade Stainless Steel Screen	
Cartridge Diameter	2.7 Inches	69mm	4.3 Inches	109mm
Cartridge Length	8.7 Inches	222mm	11.3Inches	286mm
Available Micron	I30	I30	I30	I30

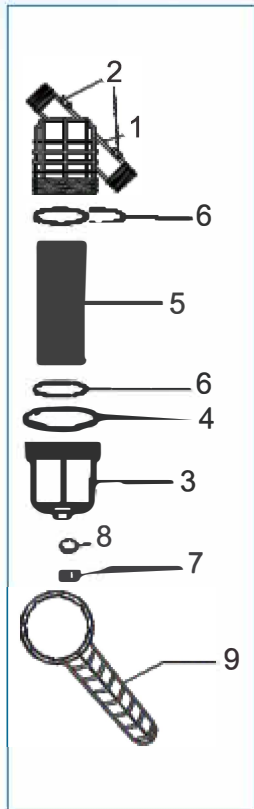
Flow Loss					
Flow m ³ /hr	14.4	18	20	22	26.4
Pressure Loss kg/cm ²	0.17	0.25	0.3	0.34	0.43
Flow GPM	63.0	75.0	85.0	95.0	116.0
Pressure Loss PSI	2.36	3.25	3.93	4.68	6.05

Flow Loss						
Flow m ³ /hr	12	15	18	25	27	32.4
Pressure Loss kg/cm ²	0.03	0.07	0.1	0.2	0.24	0.34
Flow GPM	53.0	66.0	80.0	110.0	120.0	142.0
Pressure Loss PSI	0.43	0.99	1.47	2.84	3.29	4.73

Y Type Screen Filters



2" Screen Filter (Model 124 YS - 20 m³/hr)				
AIPL CODE	DESCRIPTION	INLET/OUTLET	CONNECTION SIZE	MICRON /MESH
14310004	2" Screen Filter Y - Type 120 Mesh	Male Thread NPT	2"	130/120
14040005	2" Screen Filter Y - Type 120 Mesh	Male Thread BSP	2"	130/120
SPARE PARTS				
S. NO	PARTS NAME	PART CODE	MATERIAL	QTY
1	Body (BSP Thread) Without Hole	12490061	Glass reinforced PP	1
	Body (NPT Thread) Without Hole	12490062		
2	Body O-Ring	50010050	NBR	1
3	Cap	12490063	Glass reinforced PP	1
4	Cap Gasket	50030025	NBR	1
5	Screen Cartridge (80 Mesh) Black	12490066	Glass reinforced PP	1
	Screen Cartridge (120 Mesh) Blue	12490064		
	Screen Cartridge (150 Mesh) Red	12490065		
6	Cartridge O-Ring	50010082	NBR	1
7	3/4" End Cap	12490057	PA	1
8	End Cap Washer	50020003	NBR	1
9	Spanner (Key)	12490114	Glass reinforced PP	1



2" Screen Filter (Model 124 Y - 25 m³/hr)				
AIPL CODE	DESCRIPTION	INLET/OUTLET	CONNECTION SIZE	MICRON /MESH
14310005	2" Screen Filter Y Type 120 Mesh	Male Thread NPT	2"	130/120
14040004	2" Screen Filter Y Type 120 Mesh	Male Thread BSP	2"	130/120
SPARE PARTS				
S. NO	PARTS NAME	PART CODE	MATERIAL	QTY
1	Body (BSP Thread) Without Hole	12490052	Glass reinforced PP	1
	Body (NPT Thread) Without Hole	12490053		
2	Body O-ring	50100033	Brass	2
3	Cap	12490055	Glass reinforced PP	1
4	Cap Gasket	50030008	NBR	1
5	Screen Cartridge (80 Mesh) Black	12490031	Glass reinforced PP	1
	Screen Cartridge (120 Mesh) Blue	12490029		
	Screen Cartridge (150 Mesh) Red	12490032		
6	Cartridge O-Ring	50010086	NBR	2
7	3/4" End Cap	12490057	PA	1
8	End Cap Washer	50020003	NBR	1
9	Spanner (Key)	50100014	Glass reinforced PP	1

T Type Screen Filters

AQ-124T(HC)



Max. Operating Pressure	8 Kg/cm ²
Clamp Material	Nylon Reinforced
Vacuum Breaker	For upside up installation
Drain port location	Front of the filter Body
Flow passes through outside to inside screen filter mesh.	

AQ-124T



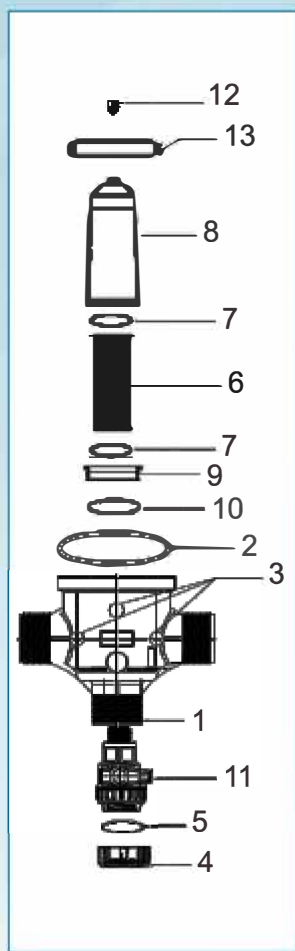
Max. Operating Pressure	10 Kg/cm ²
Clamp Material	Stainless Steel
Vacuum Breaker	Not fit with this design
Drain port location	Below the Filter barrel
Flow passes through inside to outside screen filter mesh.	

Specifications	AQ-124T(HC) & AQ-124T	
	US Standard	Metric Standard
Inlet / outlet	2" NPT	2" BSP
Range of Flow Rate	85-120 GPM	20-27 m ³ /hr
Nominal Flow Rate	110 GPM	25m ³ /hr
Filtration Surface Area	76 in ²	492cm ²
Material of Construction	Polypropylene Glass Reinforced	
Filtering Cartridge	316 Grade Stainless Steel Screen	
Cartridge Diameter	4.3 Inches	109mm
Cartridge Length	11.3 Inches	286mm
Available Micron	130	130

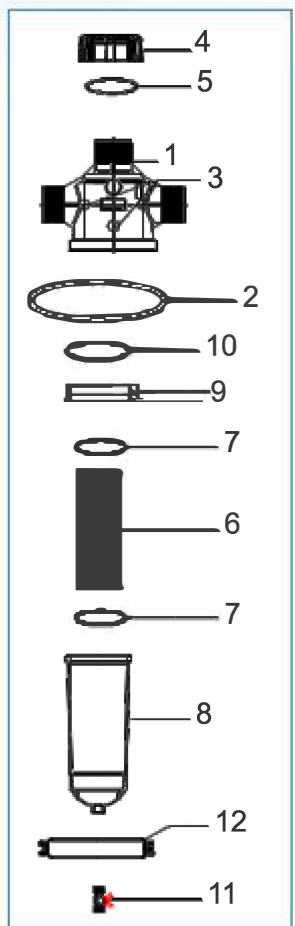
Flow Loss : AQ-124T(HC)					
Flow m ³ /hr	16	20	25	27	32.4
Pressure Loss kg/cm ²	0.03	0.08	0.15	0.17	0.20
Flow GPM	70.0	85.0	110.0	120.0	142.0
Pressure Loss PSI	0.43	0.97	2.13	2.48	2.84

Flow Loss : AQ-124T					
Flow m ³ /hr	16	20	25	27	32.4
Pressure Loss kg/cm ²	0.03	0.08	0.18	0.21	0.27
Flow GPM	70.0	85.0	110.0	120.0	142.0
Pressure Loss PSI	0.28	0.97	2.56	3.11	3.72

T Type Screen Filters



2" Screen Filter (Model 124 T(HC) - 25 m³/hr)				
AIPL CODE	DESCRIPTION	INLET/OUTLET	CONNECTION SIZE	MICRON /MESH
14320019	2" Screen Filter T Type (with Hybrid Clamp)120mesh	Male Thread NPT	2"	130/120
14050080	2" Screen Filter T Type (with Hybrid Clamp)120mesh	Male Thread BSP	2"	130/120
14460001	2" Screen Filter T Type (with Hybrid Clamp)120mesh	Victaulic Connection	2"	130/120
SPARE PARTS				
S. NO	PARTS NAME	PART CODE	MATERIAL	QTY
1	Body (BSP Thread)	12490023	Glass reinforced PP	1
	Body (NPT Thread)	12490101		
	Body (Victaulic Connection)	12490104		
2	Gasket	50030031	NBR	1
3	Brass Bush	50100033	Brass	3
4	End Cap (BSP Thread)	12490027	Glass reinforced PP	1
	End Cap (NPT Thread)	12490028		
5	End cap O-Ring	50010043	NBR	1
6	SS-316 Screen Cartridge Single Mesh 80 - Black	12490171	Glass reinforced PP	1
	SS-316 Screen Cartridge Single Mesh120 - Blue	12490183		
	SS-316 Screen Cartridge Single Mesh150 - Red	12490184		
7	Cartridge O-Ring	50010040	NBR	2
8	Barrel	12490008	Glass reinforced PP	1
9	Adopter	12490019	Glass reinforced PP	1
10	Adopter O-Ring	50010087	NBR	1
11	3/4"x3/4" Fxm Ball Valve	19070001	PP	1
12	3/4" Vacuum Breaker	25100051	Glass reinforced PP	1
13	Hybrid Clamp Assly (ss Long Handle)	14050038	Glass reinforced PA	1



2" Screen Filter (Model 124 T - 25 m³/hr)				
AIPL CODE	DESCRIPTION	INLET/OUTLET	CONNECTION SIZE	MICRON /MESH
14310007	2" Screen Filter T-Type (With SS Clamp) 120 Mesh	Male Thread NPT	2"	130/120
14100002	2" Screen Filter T-Type (With SS Clamp) 120 Mesh	Male Thread BSP	2"	130/120
14450001	2" Screen Filter T-Type (With SS Clamp) 120 Mesh	Victaulic Connection	2"	130/120
SPARE PARTS				
S. NO	PARTS NAME	PART CODE	MATERIAL	QTY
1	Body (BSP Thread)	12490023	Glass reinforced PP	1
	Body (NPT Thread)	12490101		
	Body (Victaulic Connection)	12490104		
2	Gasket	50030031	NBR	1
3	Brass Bush	50100033	Brass	3
4	End Cap (BSP Thread)	12490027	Glass reinforced PP	1
	End Cap (NPT Thread)	12490028		
5	End cap O-Ring	50010043	NBR	1
6	SS-316 Screen Cartridge Double Mesh 30/80 - Black	12490029	Glass reinforced PP	1
	SS-316 Screen Cartridge Double Mesh 30/120 - Blue	12490031		
	SS-316 Screen Cartridge Double Mesh 30/150 - Red	12490032		
7	Cartridge O-Ring	50010040	NBR	2
8	Barrel	12490008	Glass reinforced PP	1
9	Adopter	12490019	Glass reinforced PP	1
10	Adopter O-Ring	50010087	NBR	1
11	3/4"x3/4" Mxm Mini Value (Red Knob)	19030017	POM	1
12	SS Clamp (Long Handle)	14010060	SS 304	1

T Type Screen Filters

AQ-125T(HC)



Max. Operating Pressure	8 Kg/cm ²
Clamp Material	Nylon Reinforced
Vacuum Breaker	For upside up installation
Drain port location	Front of the filter Body
Flow passes through outside to inside screen filter mesh.	

AQ-125T



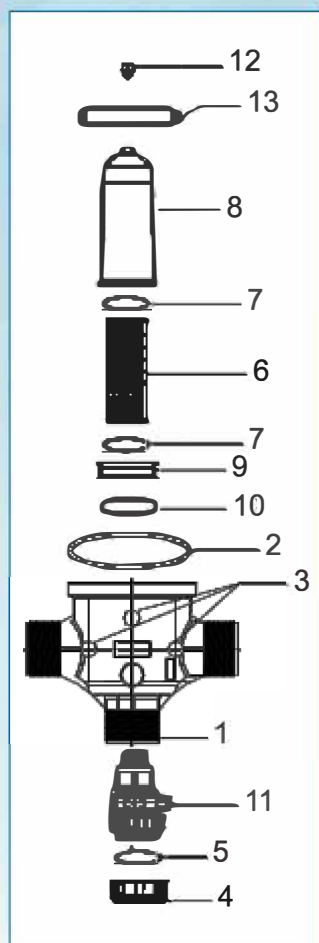
Max. Operating Pressure	10 Kg/cm ²
Clamp Material	Stainless Steel
Vacuum Breaker	Not fit with this design
Drain port location	Below the Filter barrel
Flow passes through inside to outside screen filter mesh.	

Specifications	AQ-125T (HC) & AQ-125T	
	US Standard	Metric Standard
Inlet / outlet	2 1/2" NPT	2 1/2" BSP
Range of Flow Rate	120-155 GPM	27-35 m ³ /hr
Nominal Flow Rate	130 GPM	30m ³ /hr
Filtration Surface Area	76 in ²	492cm ²
Material of Construction	Polypropylene Glass Reinforced	
Filtering Cartridge	316 Grade Stainless Steel Screen	
Cartridge Diameter	4.3 Inches	109mm
Cartridge Length	11.3 Inches	286mm
Available Micron	130	130

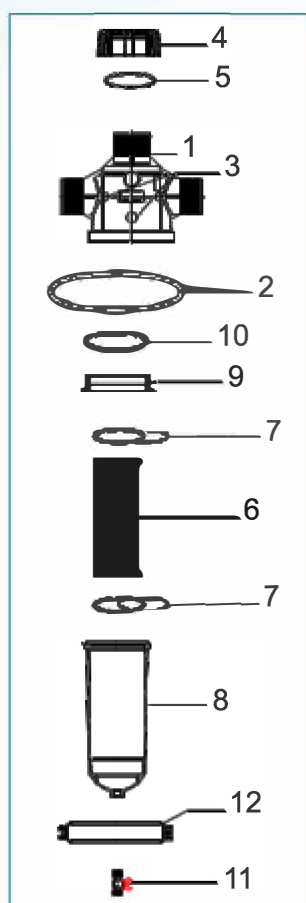
Flow Loss : AQ-125T(HC)					
Flow m ³ /hr	21.6	27	30	35	42
Pressure Loss kg/cm ²	0.06	0.10	0.15	0.20	0.28
Flow GPM	95.0	115.0	132.0	155.0	185.0
Pressure Loss PSI	0.85	1.22	2.13	2.94	3.98

Flow Loss : AQ-125T					
Flow m ³ /hr	21.6	27	30	35	42
Pressure Loss kg/cm ²	0.08	0.14	0.18	0.24	0.33
Flow GPM	95.0	115.0	132.0	155.0	185.0
Pressure Loss PSI	1.14	1.66	2.56	3.51	4.72

T Type Screen Filters



2 1/2" Screen Filter (Model 125 T(HC) - 30 m³/hr)				
AIPL CODE	DESCRIPTION	INLET/OUTLET	CONNECTION SIZE	MICRON /MESH
14320021	2 1/2" Screen Filter T-Type (With Hybrid Clamp) 120 Mesh	Male Thread NPT	2 1/2"	130/120
14050082	2 1/2" Screen Filter T-Type (With Hybrid Clamp) 120 Mesh	Male Thread BSP	2 1/2"	130/120
SPARE PARTS				
S. NO	PARTS NAME	PART CODE	MATERIAL	QTY
1	Body (BSP Thread)	12490077	Glass reinforced PP	1
	Body (NPT Thread)	12490126		
2	Gasket	50030031	NBR	1
3	Brass Bush	50100033	Brass	3
4	End Cap (BSP Thread)	12490120	Glass reinforced PP	1
	End Cap (NPT Thread)	12490129		
5	End cap O-Ring	50010041	NBR	1
6	SS-316 Screen Cartridge Single Mesh 80 - Black	12490183	Glass reinforced PP	1
	SS-316 Screen Cartridge Single Mesh 120 - Blue	12490171		
	SS-316 Screen Cartridge Single Mesh 150 - Red	12490184		
7	Cartridge O-Ring	50010040	NBR	2
8	Barrel	12490008	Glass reinforced PP	1
9	Adopter	12490019	Glass reinforced PP	1
10	Adopter O-Ring	50010087	NBR	1
11	3/4"x3/4" FXM Ball Valve	19070001	PP	1
12	3/4" Vacuum Breaker	25100051	Glass reinforced PP	1
13	Hybrid Clamp (SS Long Handle)	14050038	Glass reinforced PA	1



2 1/2" Screen Filter (Model 125 T - 30 m³/hr)				
AIPL CODE	DESCRIPTION	INLET/OUTLET	CONNECTION SIZE	MICRON /MESH
14330003	2 1/2" Screen Filter T-Type (With SS Clamp) 120 Mesh	Male Thread NPT	2 1/2"	130/120
14100003	2 1/2" Screen Filter T-Type (With SS Clamp) 120 Mesh	Male Thread BSP	2 1/2"	130/120
SPARE PARTS				
S. NO	PARTS NAME	PART CODE	MATERIAL	QTY
1	Body (BSP Thread)	12490077	Glass reinforced PP	1
	Body (NPT Thread)	12490126		
2	Gasket	50030031	NBR	1
3	Brass Bush	50100033	Brass	3
4	End Cap (BSP Thread)	12490120	Glass reinforced PP	1
	End Cap (NPT Thread)	12490129		
5	End Cap O-Ring	50010041	NBR	1
6	SS-316 Screen Cartridge Double Mesh 30/80 - Black	12490031	Glass reinforced PP	1
	SS-316 Screen Cartridge Double Mesh 30/120 - Blue	12490029		
	SS-316 Screen Cartridge Double Mesh 30/150 - Red	12490032		
7	Cartridge O-Ring	50010040	NBR	2
8	Barrel	12490008	Glass reinforced PP	1
9	Adopter	12490019	Glass reinforced PP	1
10	Adopter O-Ring	50010087	NBR	1
11	3/4"x3/4" MXM Mini Valve (Red Knob)	19030017	POM	1
12	SS Clamp (Long Handle)	14010060	SS 304	1

T Type Screen Filters

AQ-126T(HC)



Max. Operating Pressure	8 Kg/cm ²
Clamp Material	Nylon Reinforced
Vacuum Breaker	For upside up installation
Drain port location	Front of the filter Body
Flow passes through outside to inside screen filter mesh.	

AQ-126T



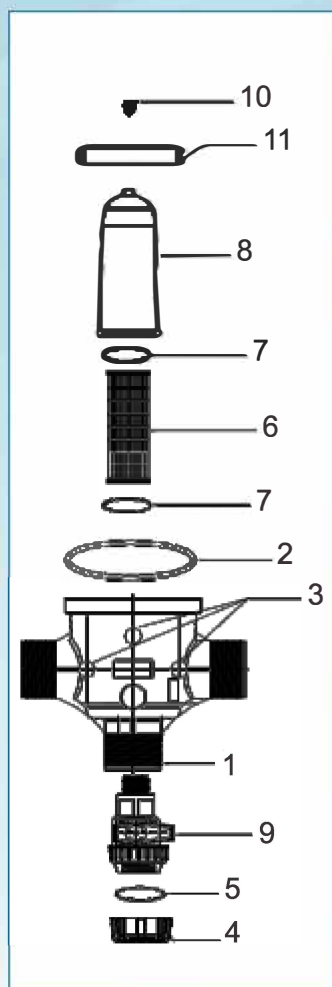
Max. Operating Pressure	10 Kg/cm ²
Clamp Material	Stainless Steel
Vacuum Breaker	Not fit with this design
Drain port location	Below the Filter barrel
Flow passes through inside to outside screen filter mesh.	

Specifications	AQ-126T(HC) & AQ-126T	
	US Standard	Metric Standard
Inlet / outlet	3" NPT	3" BSP
Range of Flow Rate	155-200 GPM	35-45 m ³ /hr
Nominal Flow Rate	175 GPM	40 m ³ /hr
Filtration Surface Area	129 in ²	831 cm ²
Material of Construction	Polypropylene Glass Reinforced	
Filtering Cartridge	316 Grade Stainless Steel Screen	
Cartridge Diameter	4.7 Inches	118mm
Cartridge Length	14.9 Inches	378.5mm
Available Micron	130	130

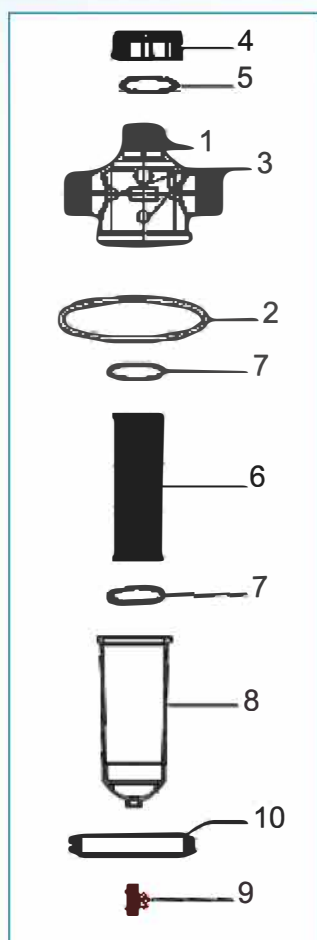
Flow Loss : AQ-126T(HC)					
Flow m ³ /hr	28	35	40	42	50.4
Pressure Loss kg/cm ²	0.05	0.10	0.20	0.26	0.47
Flow GPM	123.2	155.0	175.0	200.0	222.0
Pressure Loss PSI	0.71	1.49	2.76	4.48	6.68

Flow Loss : AQ-126T					
Flow m ³ /hr	28	35	40	42	50.4
Pressure Loss kg/cm ²	0.05	0.11	0.25	0.34	0.52
Flow GPM	123.0	155.0	175.0	200.0	222.0
Pressure Loss PSI	0.71	1.63	3.43	5.43	7.43

T Type Screen Filters



3" Screen Filter (Model 126 T(HC) - 40 m³/hr)				
AIPL CODE	DESCRIPTION	INLET/OUTLET	CONNECTION SIZE	MICRON /MESH
14320023	3" Screen Filter T-Type (With Hybrid Clamp) 120 Mesh	Male Thread NPT	3"	130/120
14050084	3" Screen Filter T-Type (With Hybrid Clamp) 120 Mesh	Male Thread BSP	3"	130/120
14460003	3" Screen Filter T-Type (With Hybrid Clamp) 120 Mesh	Victaulic Connection	3"	130/120
SPARE PARTS				
S. NO	PARTS NAME	PART CODE	MATERIAL	QTY
1	Plain Body (BSP Thread)	12490001	Glass reinforced PP	1
	Plain Body (NPT Thread)	12490185		
	Plain Body (Victaulic Connection)	12490006		
2	Gasket	50030031	NBR	1
3	Brass Bush	50100033	Brass	3
4	End Cap (BSP Thread)	12490009	Glass reinforced PP	1
	End Cap (NPT Thread)	12490010		
5	End Cap O-Ring	50010039	NBR	1
6	SS-316 Screen Cartridge Single Mesh 80 - Black	12490174	Glass reinforced PP	1
	SS-316 Screen Cartridge Single Mesh 120 - Blue	12490172		
	SS-316 Screen Cartridge Single Mesh 150 - Red	12490175		
7	Cartridge O-Ring	50010040	NBR	2
8	Barrel	12490116	Glass reinforced PP	1
9	3/4"x3/4" FXM Ball Valve	19070001	PP	1
10	3/4" Vacuum Breaker	25100051	Glass reinforced PP	1
11	Hybrid Clamp (SS Long Handle)	14050038	Glass reinforced PA	1



3" Screen Filter (Model 126 T - 40 m³/hr)				
AIPL CODE	DESCRIPTION	INLET/OUTLET	CONNECTION SIZE	MICRON /MESH
14310010	3" Screen Filter T-Type (With SS Clamp) 120 Mesh	Male Thread NPT	3"	130/120
14100005	3" Screen Filter T-Type (With SS Clamp) 120 Mesh	Male Thread BSP	3"	130/120
14450003	3" Screen Filter T-Type (With SS Clamp) 120 Mesh	Victaulic Connection	3"	130/120
SPARE PARTS				
S. NO	PARTS NAME	PART CODE	MATERIAL	QTY
1	Plain Body (BSP Thread)	12490001	Glass reinforced PP	1
	Plain Body (NPT Thread)	12490185		
	Plain Body (Victaulic Connection)	12490006		
2	Gasket	50030031	NBR	1
3	Brass Bush	50100033	Brass	3
4	End Cap (BSP Thread)	12490009	Glass reinforced PP	1
	End Cap (NPT Thread)	12490010		
5	End Cap O-Ring	50010039	NBR	1
6	SS-316 Screen Cartridge Double Mesh 30/80 - Black	12490073	Glass reinforced PP	1
	SS-316 Screen Cartridge Double Mesh 30/120 - Blue	12490071		
	SS-316 Screen Cartridge Double Mesh 30/150 - Red	12490074		
7	Cartridge O-Ring	50010040	NBR	2
8	Barrel	12490116	Glass reinforced PP	1
9	3/4"x3/4" MXM Mini Valve (Red Knob)	19030017	POM	1
10	SS Clamp (Long Handle)	14010060	SS 304	1

T Type Screen Filters

AQ-126TL(HC)



Max. Operating Pressure	8 Kg/cm ²
Clamp Material	Nylon Reinforced
Vacuum Breaker	For upside up installation
Drain port location	Front of the filter Body
Flow passes through outside to inside screen filter mesh.	

AQ-126TL



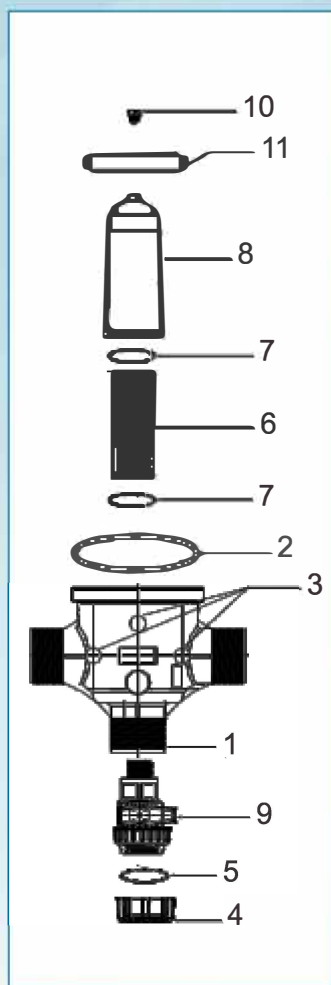
Max. Operating Pressure	10 Kg/cm ²
Clamp Material	Stainless Steel
Vacuum Breaker	Not fit with this design
Drain port location	Below the Filter barrel
Flow passes through inside to outside screen filter mesh.	

Specifications	AQ-126TL(HC) & AQ-126TL	
	US Standard	Metric Standard
Inlet / outlet	3" NPT	3" BSP
Range of Flow Rate	195-230 GPM	45-52 m ³ /hr
Nominal Flow Rate	220 GPM	50 m ³ /hr
Filtration Surface Area	172 in ²	1108cm ²
Material of Construction	Polypropylene Glass Reinforced	
Filtering Cartridge	316 Grade Stainless Steel Screen	
Cartridge Diameter	4.7 Inches	118mm
Cartridge Length	19.75 Inches	502mm
Available Micron	100, 130	100, 130

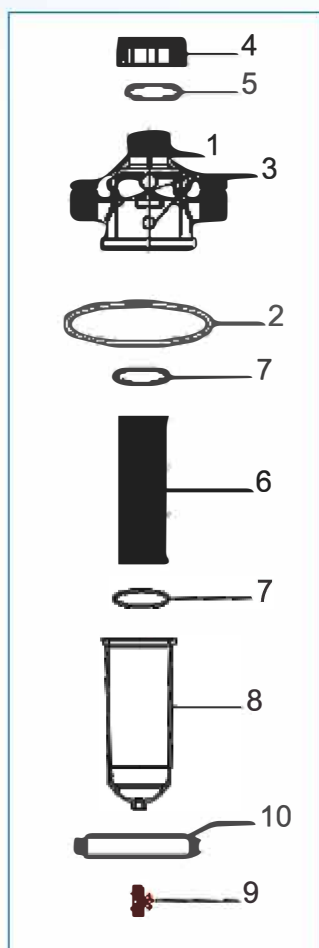
Flow Loss : AQ-126TL(HC)					
Flow m ³ /hr	36	45	50	51	61.2
Pressure Loss kg/cm ²	0.05	0.10	0.24	0.26	0.40
Flow GPM	160.0	195.0	220.0	225.0	5.7
Pressure Loss PSI	0.78	1.21	3.41	3.76	6.35

Flow Loss : AQ-126TL					
Flow m ³ /hr	36	45	50	51	61.2
Pressure Loss kg/cm ²	0.05	0.13	0.3	0.32	0.45
Flow GPM	160.0	195.0	220.0	225.0	269.0
Pressure Loss PSI	0.78	1.68	4.26	4.56	6.35

T Type Screen Filters



3" Screen Filter (Model 126 TL(HC) - 50 m³/hr)				
AIPL CODE	DESCRIPTION	INLET/OUTLET	CONNECTION SIZE	MICRON /MESH
14320024	3" Screen Filter T-Type (With Hybrid Clamp) 120 Mesh	Male Thread NPT	3"	130/120
14050085	3" Screen Filter T-Type (With Hybrid Clamp) 120 Mesh	Male Thread BSP	3"	130/120
14460004	3" Screen Filter T-Type (With Hybrid Clamp) 120 Mesh	Victaulic Connection	3"	130/120
SPARE PARTS				
S. NO	PARTS NAME	PART CODE	MATERIAL	QTY
1	Plain Body (BSP Thread)	12490001	Glass reinforced PP	1
	Plain Body (NPT Thread)	12490185		
	Plain Body (Victaulic Connection)	12490006		
2	Gasket	50030031	NBR	1
3	Brass Bush	50100033	Brass	3
4	End Cap (BSP Thread)	12490009	Glass reinforced PP	1
	End Cap (NPT Thread)	12490010		
5	End Cap O-Ring	50010039	NBR	1
6	SS-316 Screen Cartridge Single Mesh 80 - Black	12490180	Glass reinforced PA	1
	SS-316 Screen Cartridge Single Mesh 120 - Blue	12490178		
	SS-316 Screen Cartridge Single Mesh 150 - Red	12490177		
7	Cartridge O-Ring	50010040	NBR	2
8	Barrel	12490007	Glass reinforced PP	1
9	3/4"x3/4" FXM Ball Valve	19070001	PP	1
10	3/4" Vacuum Breaker	25100051	Glass reinforced PP	1
11	Hybrid Clamp (SS Long Handle)	14050038	Glass reinforced PA	1



3" Screen Filter (Model 126 TL - 50 m³/hr)				
AIPL CODE	DESCRIPTION	INLET/OUTLET	CONNECTION SIZE	MICRON /MESH
14310011	3" Screen Filter T-Type (With SS Clamp) 120 Mesh	Male Thread NPT	3"	130/120
14100006	3" Screen Filter T-Type (With SS Clamp) 120 Mesh	Male Thread BSP	3"	130/120
14450004	3" Screen Filter T-Type (With SS Clamp) 120 Mesh	Victaulic Connection	3"	130/120
SPARE PARTS				
S. NO	PARTS NAME	PART CODE	MATERIAL	QTY
1	Plain Body (BSP Thread)	12490001	Glass reinforced PP	1
	Plain Body (NPT Thread)	12490185		
	Plain Body (Victaulic Connection)	12490006		
2	Gasket	50030031	NBR	1
3	Brass Bush	50100033	Brass	3
4	End Cap (BSP Thread)	12490009	Glass reinforced PP	1
	End Cap (NPT Thread)	12490010		
5	End Cap O-Ring	50010039	NBR	1
6	SS-316 Screen Cartridge Double Mesh 30/80 - Black	12490037	Glass reinforced PA	1
	SS-316 Screen Cartridge Double Mesh 30/120 - Blue	12490035		
	SS-316 Screen Cartridge Double Mesh 30/150 - Red	12490034		
7	Cartridge O-Ring	50010040	NBR	2
8	Barrel	12490007	Glass reinforced PP	1
9	3/4"x3/4" MXM Mini Valve (Red Knob)	19030017	POM	1
10	SS Clamp (Long Handle)	14010060	SS 304	1

T Type Disc Filters

AQ-136T(HC)



Max. Operating Pressure	8 Kg/cm ²
Clamp Material	Nylon Reinforced
Vacuum Breaker	For upside up installation
Drain port location	Front of the filter Body
Flow passes through outside to inside of Disc stake.	

AQ-136T

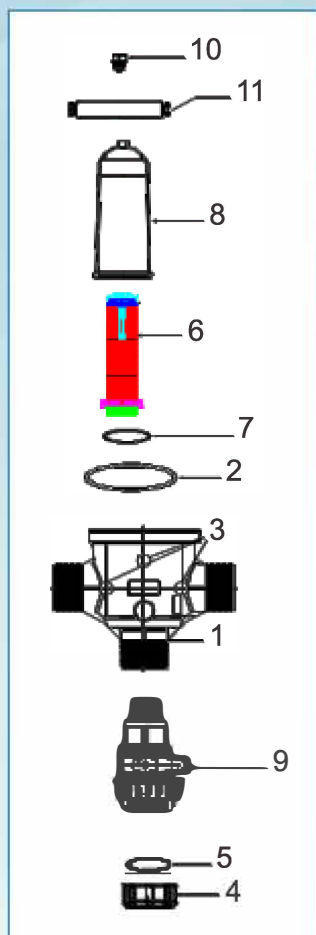


Max. Operating Pressure	10 Kg/cm ²
Clamp Material	Stainless Steel
Vacuum Breaker	Not fit with this design
Drain port location	Below the Filter barrel
Flow passes through outside to inside of Disc stake.	

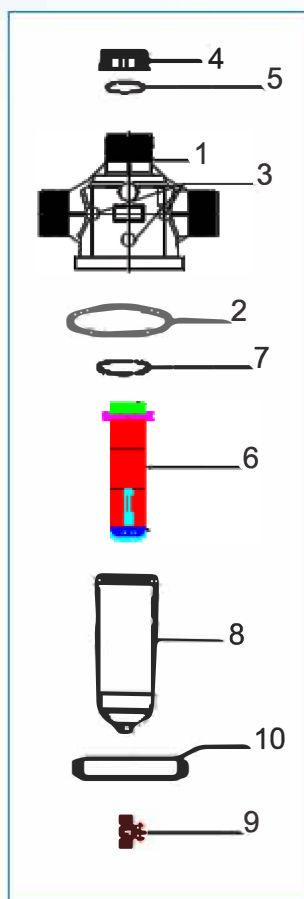
Specifications	AQ-136T(HC) & AQ-136T	
	US Standard	Metric Standard
Inlet / outlet	3" NPT	3" BSP
Range of Flow Rate	200-230 GPM	45-52 m ³ /hr
Nominal Flow Rate	220 GPM	50 m ³ /hr
Filtration Surface Area	262 in ²	1690cm ²
Material of Construction	Polypropylene Glass Reinforced	
Material of Disc	Polypropylene Disc	
Cartridge Diameter	5.2 Inches	131mm
Cartridge Length	20.7 Inches	525mm
Available Micron	130	130

Flow Loss : AQ-136T				
Flow m ³ /hr	36	45	50	52
Pressure Loss kg/cm ²	0.15	0.24	0.3	0.33
Flow GPM	158	200	220	230
Pressure Loss PSI	2.05	3.62	4.26	4.82

T Type Disc Filters



3" Disc Filter [Model 136 T (HC) - 50 m³/hr]				
AIPL CODE	DESCRIPTION	INLET/OUTLET	CONNECTION SIZE	MICRON /MESH
14350032	3" Disc Filter T-Type (With Hybrid Clamp) 120 Mesh	Male Thread NPT	3"	130/120
14070088	3" Disc Filter T-Type (With Hybrid Clamp) 120 Mesh	Male Thread BSP	3"	130/120
14430004	3" Disc Filter T-Type (With Hybrid Clamp) 120 Mesh	Victaulic Connection	3"	130/120
SPARE PARTS				
S. NO	PARTS NAME	PART CODE	MATERIAL	QTY
1	Plain Body (BSP Thread)	12490001	Glass reinforced PP	1
	Plain Body (NPT Thread)	12490185		
	Plain Body (Victaulic Connection)	12490006		
2	Gasket	50030031	NBR	1
3	Brass Bush	50100033	Brass	3
4	End Cap (BSP Thread)	12490009	Glass reinforced PP	1
	End Cap (NPT Thread)	12490010		
5	End Cap O-Ring	50010039	NBR	1
6	Disc Cartridge (120 Mesh)	14010047	Glass reinforced PP	1
	Disc Cartridge (150 Mesh)	14010049		
7	Cartridge O-Ring	50010087	NBR	1
8	Barrel	12490007	Glass reinforced PP	1
9	3/4"x3/4" FXM Ball Valve	19070001	PP	1
10	3/4" Vacuum Breaker	25100051	Glass reinforced PP	1
11	Hybrid Clamp (SS Long Handle)	14050038	Glass reinforced PA	1



3" Disc Filter (Model 136 T - 50 m³/hr)				
AIPL CODE	DESCRIPTION	INLET/OUTLET	CONNECTION SIZE	MICRON /MESH
14340006	3" Disc Filter T-Type (With SS Clamp) 120 Mesh	Male Thread NPT	3"	130/120
14010007	3" Disc Filter T-Type (With SS Clamp) 120 Mesh	Male Thread BSP	3"	130/120
14420004	3" Disc Filter T-Type (With SS Clamp) 120 Mesh	Victaulic Connection	3"	130/120
SPARE PARTS				
S. NO	PARTS NAME	PART CODE	MATERIAL	QTY
1	Plain Body (BSP Thread)	12490001	Glass reinforced PP	1
	Plain Body (NPT Thread)	12490185		
	Plain Body (Victaulic Connection)	12490006		
2	Gasket	50030031	NBR	1
3	Brass Bush	50100033	Brass	3
4	End Cap (BSP Thread)	12490009	Glass reinforced PP	1
	End Cap (NPT Thread)	12490010		
5	End Cap O-Ring	50010039	NBR	1
6	Disc Cartridge (120 Mesh)	14010047	Glass reinforced PP	1
	Disc Cartridge (150 Mesh)	14010049		
7	Cartridge O-Ring	50010087	NBR	1
8	Barrel	12490007	Glass reinforced PP	1
9	3/4"x3/4" MXM Mini Valve (Red Knob)	19030017	POM	1
10	SS Clamp (Long Handle)	14010060	SS 304	1

Warranty & Disclaimer

Automat products are warranted for one year from date of original sale to be free of defective materials and workmanship when used within the working specifications for which the product was designed and under normal use and service. The manufacturer assumes no responsibility for installation, removal or unauthorized repair. The manufacturer's liability under this warranty is limited solely to replacement or repair of defective parts, and the manufacturer will not be liable for any crop or other consequential damages resulting from any defects in design or breach of warranty.