

# T Type Screen Filters

2"



AQ-124T(HC)

## Features

- Designed for Upside down installation.
- Nylon Reinforced plastic clamp.
- Vacuum Breaker for full efficiency filtration.
- Drain port at front of filter body.
- All impurities capture outside of screen cartridge.
- Specially designed screen cartridge for outside - inside flow for easy cleaning when mesh gets dirty



AQ-124T

## Features

- Designed for Upside up installation.
- Stainless Steel metal clamp.
- Standard cartridge design.
- Vacuum Breaker not required.
- Drain port at bottom of filter barrel.
- All impurities capture inside of screen cartridge.

Specifications	AQ-124T(HC)		AQ-124T	
	US Standard	Metric Standard	US Standard	Metric Standard
Inlet/outlet connection	2" NPT male thread	2" BSP male thread	2" NPT male thread	2" BSP male thread
Max. Working Pressure (PPGF Filter)	85 Psi	6 kg/cm <sup>2</sup>	110 Psi	8 kg/cm <sup>2</sup>
Max. Working Pressure (PA Filter)	NA	NA	145 Psi	10 kg/cm <sup>2</sup>
Range of Flow Rate	88-120 GPM	20-27 m <sup>3</sup> /h	88-120 GPM	20-27 m <sup>3</sup> /h
Nominal Flow Rate	110 GPM	25 m <sup>3</sup> /h	110 GPM	25 m <sup>3</sup> /h
Filtration Surface area	77.5 in <sup>2</sup>	500 cm <sup>2</sup>	74.4 in <sup>2</sup>	480 cm <sup>2</sup>
Material of Construction	Glass Filled Polypropylene		Glass Filled Polypropylene/Polyamide	
Screen Material	Stainless Steel SS-316		Stainless Steel SS-316	
Cartridge Diameter (With O-ring)	4.8 in	122 mm	4.8 in	122 mm
Cartridge Length	11.1 in	282 mm	12.2 in	310 mm
Available Mesh	80, 120, 150 mesh	80, 120, 150 mesh	80, 120, 150 mesh	80, 120, 150 mesh

Head Loss : AQ -124T(HC)					
Flow, m <sup>3</sup> /h	16	20	25	27	32.4
Pressure Loss, kg/cm <sup>2</sup>	0.03	0.08	0.15	0.17	0.20
Flow, GPM	70.4	88.0	110.0	118.8	142.6
Pressure Loss, Psi	0.43	1.14	2.13	2.41	2.84

Head Loss : AQ -124T					
Flow, m <sup>3</sup> /h	16	20	25	27	32.4
Pressure Loss, kg/cm <sup>2</sup>	0.02	0.08	0.18	0.21	0.27
Flow, GPM	70.4	88.0	110.0	118.8	142.6
Pressure Loss, Psi	0.28	1.14	2.56	2.98	3.83

### Filtering Element

80 Mesh  120 Mesh  150 Mesh 



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*Creating a Green World*

# Screen Filters

T-Type



Inside-Outside filtration

## Features

- The filters are made from special Chemically bonded Polymer which are weather resistant.
- Screen filter cartridges are made of Stainless Steel - Double/Singal mesh which are corrosion resistant.
- Inside-Outside filtration.
- SS Clamp for high pressure operations.

## Specifications

Model		124T	124TL	125T	125TL	126T	126TL
Max. Working Pressure (PPGF Filter)	Kg/cm <sup>2</sup>	8	8	8	8	8	8
Max. Working Pressure (PA Filter)	Kg/cm <sup>2</sup>	10	10	10	10	10	10
Recommended flow	lit/min	417	500	500	667	667	833
	m <sup>3</sup> /hr	25	30	30	40	40	50
Range of Flow Rate	m <sup>3</sup> /hr	20-27	25-32	27-35	35-45	35-45	45-51
Screen Cartridge (Standard)		Single 120mesh SS-316, 5 Heddle Screen weaving					
Filtration Surface area	cm <sup>2</sup>	480	817	480	817	817	1048
Inlet/outlet connection	BSP/NPT	2" male thread		2½" male thread		3" male thread	
Closing System		Stainless Steel Clamp					
Distance between End connections	mm	340	340	343	343	340	340
Max. Filter height	mm	640	690	645	695	710	837
Max. Filter width	mm	252	252	252	252	252	252
Cartridge Diameter (With O-ring)	mm	122	122	122	122	122	122
Cartridge Length	mm	310	383	310	383	383	502
Drain Valve		¾" M x ¾" F	¾" M x ¾" F	¾" M x ¾" F	¾" M x ¾" F	¾" M x ¾" F	¾" M x ¾" F

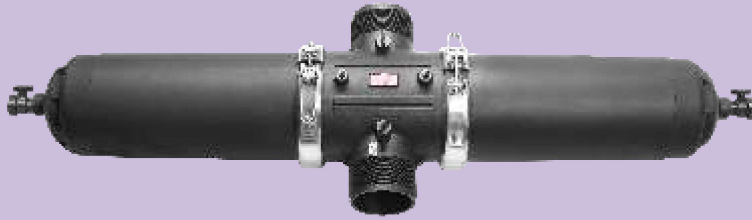
### Filtering Element

- 80 Mesh
- 120 Mesh
- 150 Mesh



# Double Body Screen Filters

3" & 4"



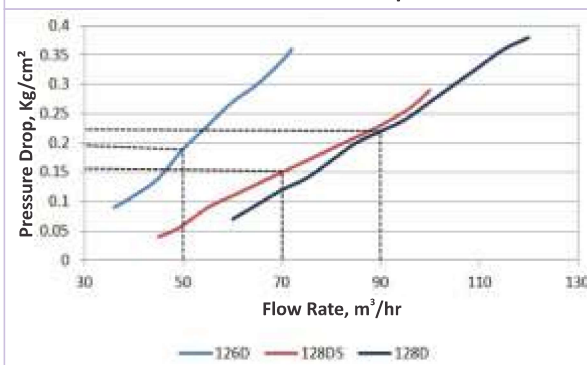
## Features

- Flow passes through inside to outside of screen cartridge.
- Uniform distribution of flow into filter housing optimizes the filtration process.
- Threaded brass insert, 4 pressure ports for increasing operational life of the filter.
- Double mesh provides extra strength to avoid damage to 120 mesh screen.
- Both barrels equipped with 3/4" female threaded connection for easy drainage.
- Inside design of screen cartridge facilitates easy cleaning by brush.

## Specifications

Model	AQ-126D	AQ-128DS	AQ-128D
Inlet/outlet connection	3" BSP Male Thread	4" BSP male thread	4" BSP male thread
Max. Working Pressure (PPGF Filter)	8 kg/cm <sup>2</sup>	8 kg/cm <sup>2</sup>	8 kg/cm <sup>2</sup>
Max. Working Pressure (PA Filter)	10 kg/cm <sup>2</sup>	10 kg/cm <sup>2</sup>	10 kg/cm <sup>2</sup>
Range of Flow Rate	45-60 m <sup>3</sup> /h	60 -80 m <sup>3</sup> /h	80-100 m <sup>3</sup> /h
Nominal Flow Rate	50 m <sup>3</sup> /h	70 m <sup>3</sup> /h	90m <sup>3</sup> /h
Filtration Surface area	1048 cm <sup>2</sup>	1634 cm <sup>2</sup>	2096 cm <sup>2</sup>
Material of Construction	Glass Filled Polypropylene/ Polyamide		
Screen Material	Stainless Steel SS-316	Stainless Steel SS-316	Stainless Steel SS-316
Cartridge Diameter (With O-ring)	122 mm	122 mm	122 mm
Cartridge Length	284 mm x 2mm	383mm x 2mm	502mm X 2mm
Available Mesh	80, 120, 150 mesh	80,120, 150 mesh	80, 120, 150 mesh

## Clean Pressure Drop Curve



### Filtering Element

- 80 Mesh
- 120 Mesh
- 150 Mesh

