

# T Type Screen Filters

AQ-125TL(HC)



AQ-125TL



Max. Operating Pressure	6 Kg/cm <sup>2</sup>
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.	

Max. Operating Pressure	8 Kg/cm <sup>2</sup>
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-125TL(HC)		AQ-125TL	
	US Standard	Metric Standard	US Standard	Metric Standard
Inlet / outlet	2 1/2" NPT male thread	2 1/2" BSP male thread	2 1/2" NPT male thread	2 1/2" BSP male thread
Max. Operating Pressure	85Psi	6 kg/cm <sup>2</sup>	110 Psi	8 kg/cm <sup>2</sup>
Range of Flow Rate	155 - 200 GPM	35 - 45 m <sup>3</sup> /h	155 - 200 GPM	35 - 45 m <sup>3</sup> /h
Nominal Flow Rate	175 GPM	40 m <sup>3</sup> /h	175 GPM	40 m <sup>3</sup> /h
Filtration Surface Area	116.8 in <sup>2</sup>	754 cm <sup>2</sup>	128.8 in <sup>2</sup>	831 cm <sup>2</sup>
Material of Construction	Reinforced Polypropylene		Reinforced Polypropylene	
Screen Material	Stainless Steel SS-316		Stainless Steel SS-316	
Cartridge Diameter	4.76 in	121 mm	4.76 in	121 mm
Cartridge Length	14.8 in	377 mm	15 in	382 mm
Available Mesh	80, 120, 150 mesh	80, 120, 150 mesh	80, 120, 150 mesh	80, 120, 150 mesh

## Filtering Element



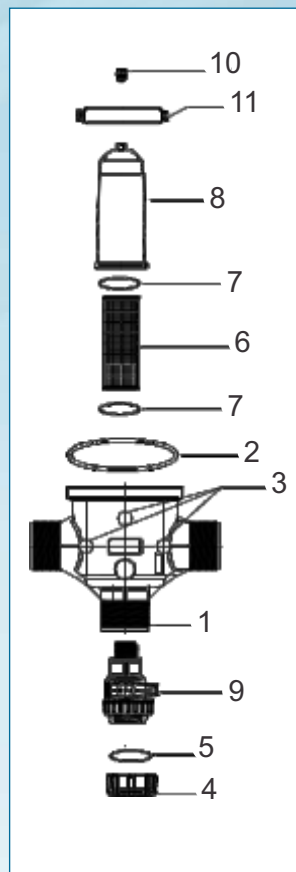
## Head Loss : AQ-125TL(HC)

Flow m <sup>3</sup> /hr	28	35	40	45	54
Pressure Loss kg/cm <sup>2</sup>	0.08	0.15	0.21	0.25	0.36
Flow GPM	123.2	155.0	175.0	200.0	237.6
Pressure Loss PSI	1.14	2.24	2.88	3.65	5.12

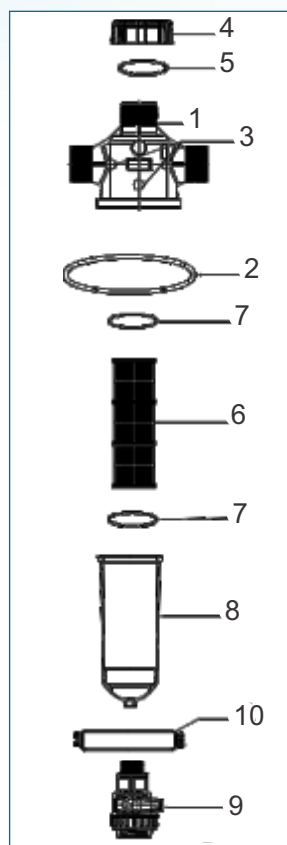
## Head Loss : AQ-125TL

Flow m <sup>3</sup> /hr	28	35	40	45	54
Pressure Loss kg/cm <sup>2</sup>	0.09	0.20	0.27	0.35	0.46
Flow GPM	123.0	155.0	175.0	200.0	237.6
Pressure Loss PSI	1.28	2.89	3.93	5.11	6.53

# T Type Screen Filters



2 1/2" Screen Filter (Model 125 TL(HC) - 40 m³/hr)				
AIPL CODE	DESCRIPTION	INLET/OUTLET	CONNECTION SIZE	MICRON /MESH
14320022	2 1/2" Screen Filter T-Type (With Hybrid Clamp) 120 Mesh	Male Thread NPT	2 1/2"	130/120
14050083	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	14120001	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



2 1/2" Screen Filter (Model 125 TL - 40 m³/hr)				
AIPL CODE	DESCRIPTION	INLET/OUTLET	CONNECTION SIZE	MICRON /MESH
14330004	2 1/2" Screen Filter T-Type (With SS Clamp) 120 Mesh	Male Thread NPT	2 1/2"	130/120
14100004	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)	12490127		
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	14120001	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" FXM Ball Valve	19070001	PP	1
10	SS Clamp (Long Handle)	14010060	SS 304	1