

AAL Disc Filter



AAL Disc Filter series is designed for agricultural irrigation and industrial water pre-filtration applications, covering multiple configurations including Y-type in-line filters, T-type disc filters, and H-type dual disc filters.

The filter housings are manufactured from high-strength composite engineering plastics, offering excellent pressure resistance, impact resistance, and corrosion resistance for long-term operation under varying water conditions.

Filter elements are available in screen-type or disc-type configurations, effectively removing sand, suspended solids, and impurities from water to prevent system blockage and improve operational efficiency. The compact design allows for easy installation and maintenance, making the series ideal for space-limited applications.

Features

1. High-Strength Composite Housing

Constructed from high-quality composite engineering plastics, providing excellent resistance to pressure, impact, and corrosion.

2. Multiple Filter Element Options

Available with screen-type and disc-type filter elements to accommodate different water qualities and filtration requirements.

3. Efficient Filtration Structure

Disc filter elements feature a spiral flow structure, creating high-speed water rotation to effectively separate sand particles and impurities.

4. Modular and Flexible Configuration

Interchangeable filter elements and structural options enable flexible adaptation to various agricultural and industrial applications.

5. Easy Maintenance and Low Operating Cost

User-friendly design ensures quick maintenance and reduced downtime, contributing to lower overall operating costs.

Application

- Agricultural irrigation systems (drip, sprinkler, micro-irrigation)
- Greenhouses and fertigation systems
- Landscaping and garden irrigation
- Parks, stadiums, and municipal green areas
- Industrial and civil water pre-treatment
- Reverse osmosis (RO) and desalination pre-filtration systems

Y Type Disc Filter



Y Type Online Filter Product Selection Table

Y Disc Filter					
Model	Inlet/Outlet Connection	Filter Element	Filter Grade	Max Working Pressure	Max Flow Rate
AAL-Y75D	2½" Male Thread	Disc	120Mesh(130um)	8 Bar	13 m³/h
AAL-Y63D	2" Male Thread	Disc	120Mesh(130um)	8 Bar	13 m³/h
AAL-Y50D	1½" Male Thread	Disc	120Mesh(130um)	8 Bar	10 m³/h
AAL-Y40D	1¼" Male Thread	Disc	120Mesh(130um)	8 Bar	8 m³/h
AAL-Y32D	1" Male Thread	Disc	120Mesh(130um)	6 Bar	3 m³/h
AAL-Y25D	¾" Male Thread	Disc	120Mesh(130um)	6 Bar	3 m³/h

Y Mesh Filter					
Model	Inlet/Outlet Connection	Filter Element	Filter Grade	Max Working Pressure	Max Flow Rate
AAL-Y75M	2½" Male Thread	Screen	120Mesh(130um)	8 Bar	15 m³/h
AAL-Y63M	2" Male Thread	Screen	120Mesh(130um)	8 Bar	15 m³/h
AAL-Y50M	1½" Male Thread	Screen	120Mesh(130um)	8 Bar	12 m³/h
AAL-Y40M	1¼" Male Thread	Screen	120Mesh(130um)	8 Bar	10 m³/h
AAL-Y32M	1" Male Thread	Screen	120Mesh(130um)	6 Bar	5 m³/h
AAL-Y25M	¾" Male Thread	Screen	120Mesh(130um)	6 Bar	5 m³/h

T Type Disc Filter



T Type Disc Filter Product Selection Table

T Disc Filter					
Model	Inlet/Outlet Connection	Filter Element	Filter Grade	Max Working Pressure	Max Flow Rate
AAL-TT2D	2" Male Thread	Disc	75Mesh(200um) 120Mesh(130um) 150Mesh(100um)	10 Bar	28 m³/h
AAL-TB2D	2" Bayonet	Disc		10 Bar	28 m³/h
AAL-TT3D	3" Male Thread	Disc		10 Bar	30 m³/h
AAL-TB3D	3" Bayonet	Disc		10 Bar	30 m³/h
AAL-TT3D-L	3" Male Thread	Disc		10 Bar	45 m³/h
AAL-TB3D-L	3" Bayonet	Disc		10 Bar	45 m³/h

T Mesh Filter					
Model	Inlet/Outlet Connection	Filter Element	Filter Grade	Max Working Pressure	Max Flow Rate
AAL-TT2M	2" Male Thread	Screen	75Mesh(200um) 120Mesh(130um) 150Mesh(100um)	10 Bar	30 m³/h
AAL-TB2M	2" Bayonet	Screen		10 Bar	30 m³/h
AAL-TT3M	3" Male Thread	Screen		10 Bar	35 m³/h
AAL-TB3M	3" Bayonet	Screen		10 Bar	35 m³/h
AAL-TT3M-L	3" Male Thread	Screen		10 Bar	50 m³/h
AAL-TB3M-L	3" Bayonet	Screen		10 Bar	50 m³/h

H Type Dual Disc Filter



H Type Dual Disc Filter Product Selection Table

H Type Dual Disc Filter					
Model	Inlet/Outlet Connection	Filter Element	Filter Grade	Max Working Pressure	Max Flow Rate
AAL-TT4D	4" Male Thread	Disc	75Mesh(200um) 120Mesh(130um) 150Mesh(100um)	10 Bar	70 m³/h
AAL-TB4D	4" Bayonet	Disc		10 Bar	70 m³/h
AAL-TT4D-L	4" Male Thread	Disc		10 Bar	90 m³/h
AAL-TB4D-L	4" Bayonet	Disc		10 Bar	90 m³/h

H Type Dual Mesh Filter					
Model	Inlet/Outlet Connection	Filter Element	Filter Grade	Max Working Pressure	Max Flow Rate
AAL-TT4M	4" Male Thread	Screen	75Mesh(200um) 120Mesh(130um) 150Mesh(100um)	10 Bar	80 m³/h
AAL-TB4M	4" Bayonet	Screen		10 Bar	80 m³/h
AAL-TT4M-L	4" Male Thread	Screen		10 Bar	100 m³/h
AAL-TB4M-L	4" Bayonet	Screen		10 Bar	100 m³/h



AALFilter

Helping You Solve All Filtration Challenges

Reliable Filtration | Efficient Performance

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