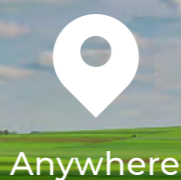




# Filtration Products for Irrigation

# MASTERS OF FILTRATION



**Farming is our heritage.**  
**Filtration is our legacy.**

**At Amiad, our roots are in the land.** As farmers, we learned at firsthand what our crops need to thrive. We understand that every water source is different, and how water quality can greatly affect crop yield.

The filter is the first vital link in the irrigation chain. It's there to protect irrigation systems from damage, while delivering the best quality water.

We develop filters that are able to cope with any water quality, in any geographical location.

We've spent years mastering filtration technology so we can offer a wide range of filters for every farmer's needs including screen, disc or media technology. Our fully automated filtration systems save time, manpower and costs.

We consider every challenge as an opportunity to work side by side with our customers to solve their problems. We'll go anywhere to ensure our filters perform as expected, 24/7, every day of the year.

When you want a high performance filter for your irrigation system, consult with Amiad. We focus on doing what we do best.

**Amiad. Masters of Filtration.**



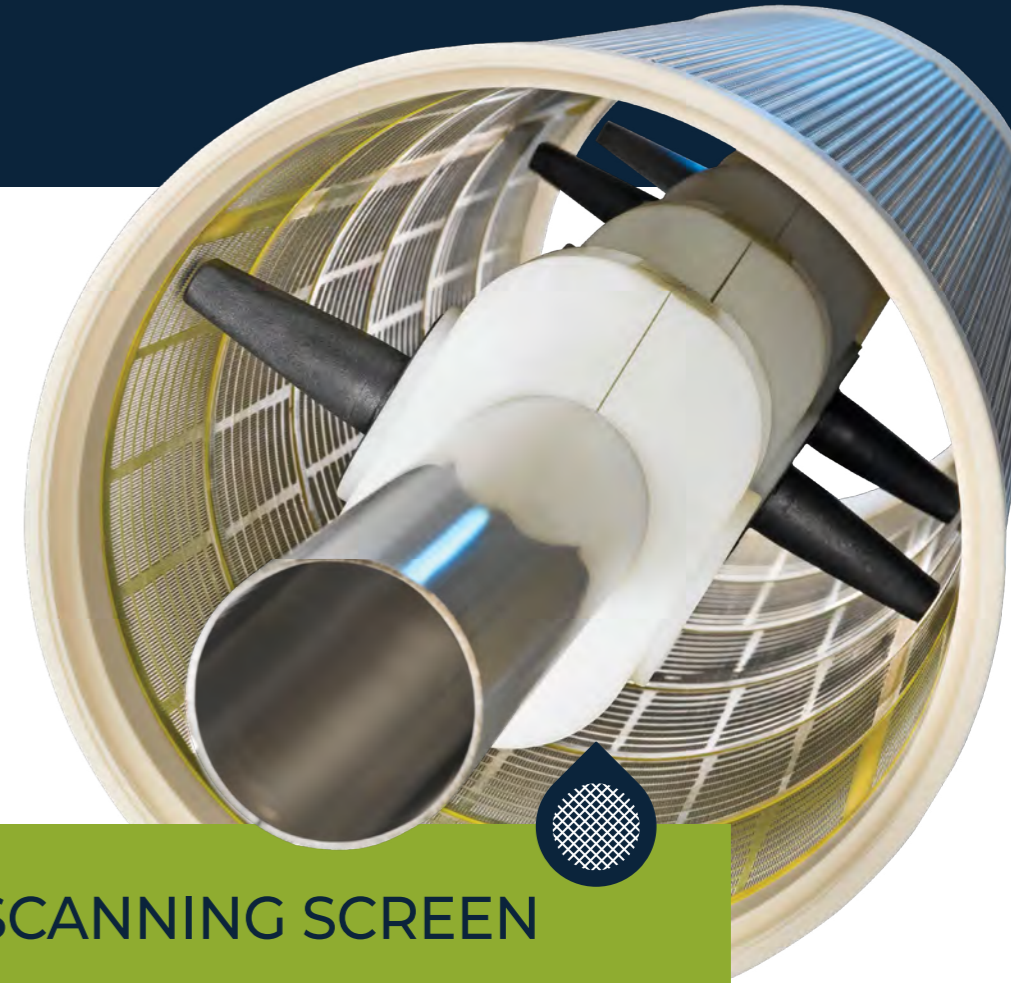
# ADVANCED FILTRATION TECHNOLOGIES

With three filtration technologies under one roof, we offer a full range of solutions.



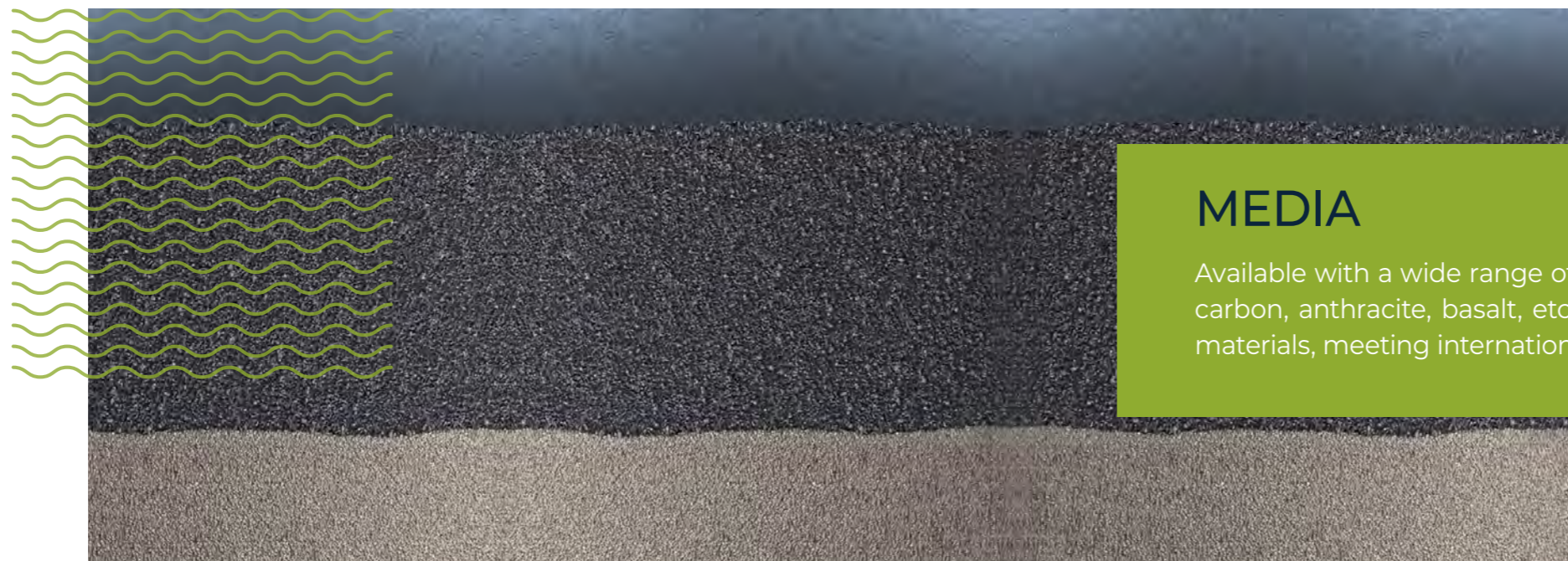
## DISC

Polymeric grooved discs providing depth filtration with high dirt holding capacity and consistent filtration results, with superior retention of organic matter.



## SUCTION-SCANNING SCREEN

Combines a focused flush with suction scanner automation to provide self-cleaning of a multi-layered stainless steel screen to ensure high efficiency filtration.



## MEDIA

Available with a wide range of media types – sand, glass, active carbon, anthracite, basalt, etc. – and various tank construction materials, meeting international drinking water standards.



# Automatic Screen Filters



## M100 Series

Diameters | 2"-4"  
 Operation | Automatic  
 Flow rate |  $\leq 100 \text{ m}^3/\text{h}$  (440 gpm)  
 Filtration degrees | 80-500 micron



Registered Patent

## MINI SIGMA Series

Diameters | 2"-4"  
 Operation | Automatic  
 Flow rate |  $\leq 80 \text{ m}^3/\text{h}$  (352 gpm)  
 Filtration degrees | 50-500 micron



## M100 Series

Diameters | 4"-10"  
 Operation | Automatic  
 Flow rate |  $\leq 400 \text{ m}^3/\text{h}$  (1,760 gpm)  
 Filtration degrees | 80-500 micron



Registered Patent

## SIGMA PRO Series

Diameters | 4"-8"  
 Operation | Automatic  
 Flow rate |  $\leq 280 \text{ m}^3/\text{h}$  (1,233 gpm)  
 Filtration degrees | 50-500 micron



## MG Series

Diameters | 10"-14"  
 Operation | Automatic  
 Flow rate |  $\leq 800 \text{ m}^3/\text{h}$  (3,520 gpm)  
 Filtration degrees | 80-500 micron



## ADI-P Controller

Available as a one or two solenoid configuration, the ADI-P Controller operates the automated processes that flush your automatic filters for easy and convenient control and monitoring.



## TAF Series

Diameters | 2"-3"

Operation | Automatic

Flow rate |  $\leq 50 \text{ m}^3/\text{h}$  (220 gpm)

Filtration degrees | 10-500 micron



## EBS Series

Diameters | 8"-36"

Operation | Automatic

Flow rate |  $\leq 7,200 \text{ m}^3/\text{h}$  (32,000 gpm)

Filtration degrees | 10-800 micron



## SAF Series

Diameters | 2"-10"

Operation | Automatic

Flow rate |  $\leq 400 \text{ m}^3/\text{h}$  (1,760 gpm)

Filtration degrees | 10-800 micron



## OMEGA Series

Diameters | 8"-16"

Operation | Automatic

Flow rate |  $\leq 2,200 \text{ m}^3/\text{h}$  (9,700 gpm)

Filtration degrees | 10-500 micron



## ABF Series

Diameters | 3"-36"

Operation | Automatic

Flow rate |  $\leq 7,200 \text{ m}^3/\text{h}$  (32,000 gpm)

Filtration degrees | 200-3,500 micron

# Semi-Automatic & Manual Filters



## SEMI AUTOMATIC BRUSHAWAY Series

Technology | Screen  
Diameters | 2"-8"  
Operation | Semi-Automatic  
Flow rate |  $\leq 300 \text{ m}^3/\text{h}$  (1,320 gpm)  
Filtration degrees | 200-3,500 micron



## MANUAL PLASTIC AMIAD Series

Technology | Screen, Disc  
Diameters |  $\frac{3}{4}$ "-3"  
Operation | Manual  
Flow rate |  $\leq 50 \text{ m}^3/\text{h}$  (220 gpm)  
Filtration degrees | 50-3,500 micron



## SEMI AUTOMATIC SCANAWAY Series

Technology | Screen  
Diameters | 2"-8"  
Operation | Semi-Automatic  
Flow rate |  $\leq 300 \text{ m}^3/\text{h}$  (1,320 gpm)  
Filtration degrees | 50-500 micron



## MANUAL PLASTIC AMIAD TAGLINE Series

Technology | Screen, Disc  
Diameters |  $\frac{3}{4}$ "-3"  
Operation | Manual  
Flow rate |  $\leq 50 \text{ m}^3/\text{h}$  (220 gpm)  
Filtration degrees | 80-500 micron



## MANUAL STEEL Series

Technology | Screen  
Diameters | 2"-8"  
Operation | Manual  
Flow rate |  $\leq 300 \text{ m}^3/\text{h}$  (1,320 gpm)  
Filtration degrees | 50-3,500 micron



## MANUAL PLASTIC ARKAL Series

Technology | Disc  
Diameters |  $\frac{3}{4}$ "-6"  
Operation | Manual  
Flow rate |  $\leq 160 \text{ m}^3/\text{h}$  (705 gpm)  
Filtration degrees | 20-800 micron



## MEDIA Series

Technology | Media  
Diameters | 20"-48"  
Operation | Automatic  
Flow rate |  $\leq 75 \text{ m}^3/\text{h}$  (330 gpm) per unit



## FERTILIZER INJECTOR PUMP 4-01

Type | Hydraulic Motor  
Operation | Manual / Automatic  
Injection rate |  $\geq 250 \text{ l/hr}$  (66 gal/h)



## AGF Series

Technology | Media  
Diameters | 48"  
Operation | Automatic  
Flow rate |  $\leq 70 \text{ m}^3/\text{h}$  (308 gpm) per unit



## FERTILIZER INJECTOR PUMP 4-02 / 4-92

Type | Hydraulic Motor  
Operation | Manual / Automatic  
Injection rate |  $\geq 250 \text{ l/hr}$  (66 gal/h)



## SAND SEPARATOR Series

Diameters | 2"  
Operation | Automatic  
Flow rate |  $\leq 25 \text{ m}^3/\text{h}$  per unit

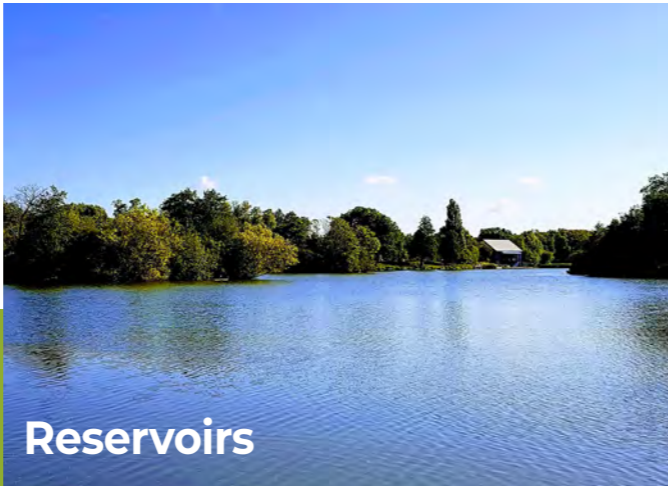


## DUPLEX FERTILIZER INJECTOR PUMP 4-03

Type | Hydraulic Motor  
Operation | Manual / Automatic  
Injection rate |  $\geq 500 \text{ l/hr}$  (132 gal/h)

# Amiad. Masters of Filtration.

## Water source



Water collected in reservoirs may come from floodwater or treated water. Collected organic matter and debris can lead to blockages anywhere in the irrigation system. The quality of water in canals and rivers changes dramatically from season to season, requiring high-performance filtration systems that can handle significant variations and fluctuations in water quality.

Every water source presents its own diverse challenges. Our decades of experience and innovative technologies enable us to provide filtration solutions for any water source, anywhere.

## Irrigation Method



### Micro Sprinklers

-  Horticulture
-  Greenhouses
-  Landscape



### Pivot Irrigation

-  Agriculture
-  Horticulture



### Sprinklers

-  Agriculture
-  Gardening
-  Golf
-  Landscape



# Applications



## Vineyards

<b>Country</b>	Australia
<b>Application</b>	Protection for drip irrigation: vineyard (backup field filter)
<b>Flow rate</b>	60 m <sup>3</sup> /h (264 gpm)
<b>Water source</b>	Murray River
<b>Filtration degree</b>	200 micron
<b>Filtration solution</b>	3" Mini Sigma angle



## Almond Orchard

<b>Country</b>	Australia
<b>Application</b>	Drip Irrigation
<b>Flow rate</b>	1800 m <sup>3</sup> /h (440 gpm)
<b>Water source</b>	Murray River
<b>Filtration degree</b>	130 micron
<b>Filtration solution</b>	2 x Omega 36K



## Travelling Drip Irrigator Protection

<b>Country</b>	Australia
<b>Application</b>	Drip Irrigation
<b>Flow rate</b>	250 m <sup>3</sup> /h (1,100 gpm)
<b>Water source</b>	Channel Water
<b>Filtration degree</b>	200 micron
<b>Filtration solution</b>	Sigma Pro



## Irrigation Protection

<b>Country</b>	Australia
<b>Application</b>	Irrigation System Protection
<b>Flow rate</b>	160 m <sup>3</sup> /h (704 gpm)
<b>Water source</b>	Treated Effluent Water
<b>Filtration degree</b>	130 micron
<b>Filtration solution</b>	4 x 4" Sigma



## Walnut Orchard

<b>Country</b>	Australia
<b>Application</b>	Drip irrigation
<b>Flow rate</b>	1,400 m <sup>3</sup> /h ; (6,160 gpm) per shift (2 shifts)
<b>Water source</b>	River Water
<b>Filtration degree</b>	130 micron
<b>Filtration solution</b>	3 x 12" EBS 15,000



## Almond Orchard

<b>Country</b>	Australia
<b>Application</b>	Drip Irrigation Backup Filters
<b>Flow rate</b>	120 m <sup>3</sup> /h (528 gpm)
<b>Water source</b>	Murray River
<b>Filtration degree</b>	130 micron
<b>Filtration solution</b>	2 x 4" Mini Sigma Manifold



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 **amiad** IRRIGATION

# MASTERS OF FILTRATION

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