amiad® IRRIGATION

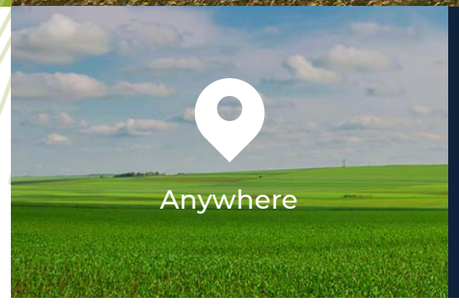
Irrigation Products Overview

amiad® WATER SYSTEMS

MASTERS OF FILTRATION

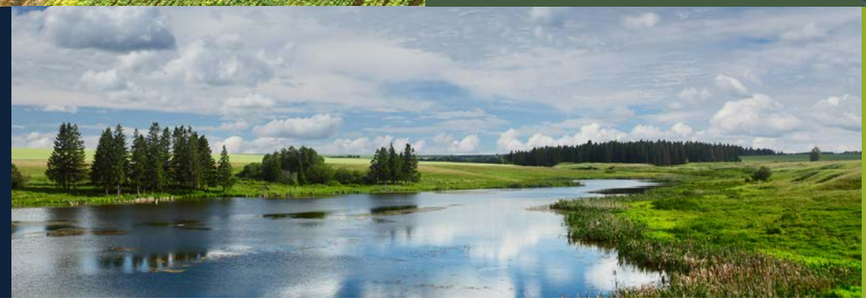
MASTERS OF FILTRATION

Any Crop



Anywhere

Any Water Source



Any Technology

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.

Disc Technology

Screen Technology

Media Technology

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.

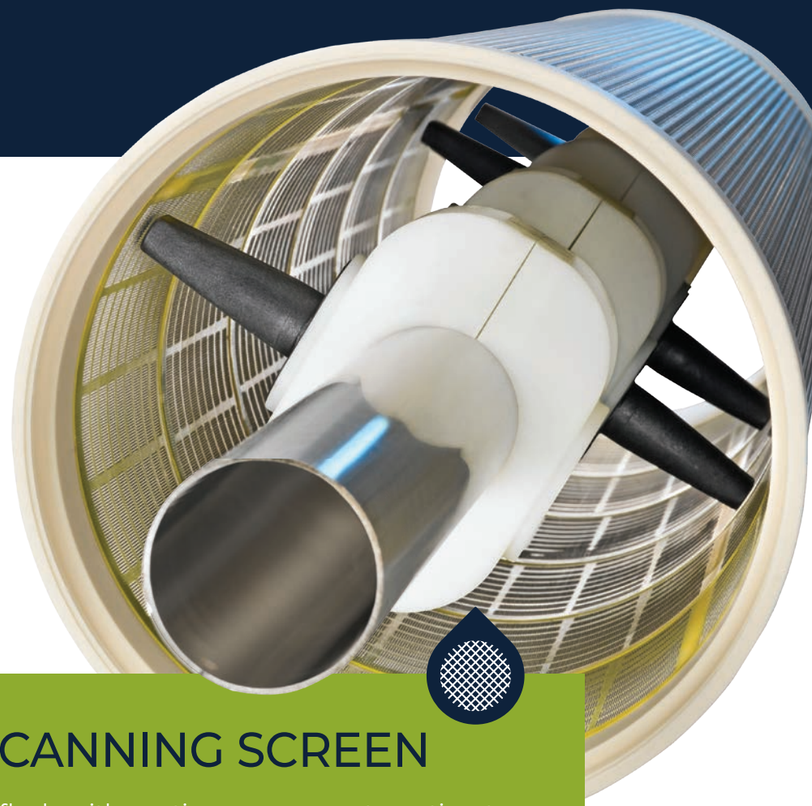
Amiad. Masters of Filtration.

ADVANCED FILTRATION TECHNOLOGIES

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

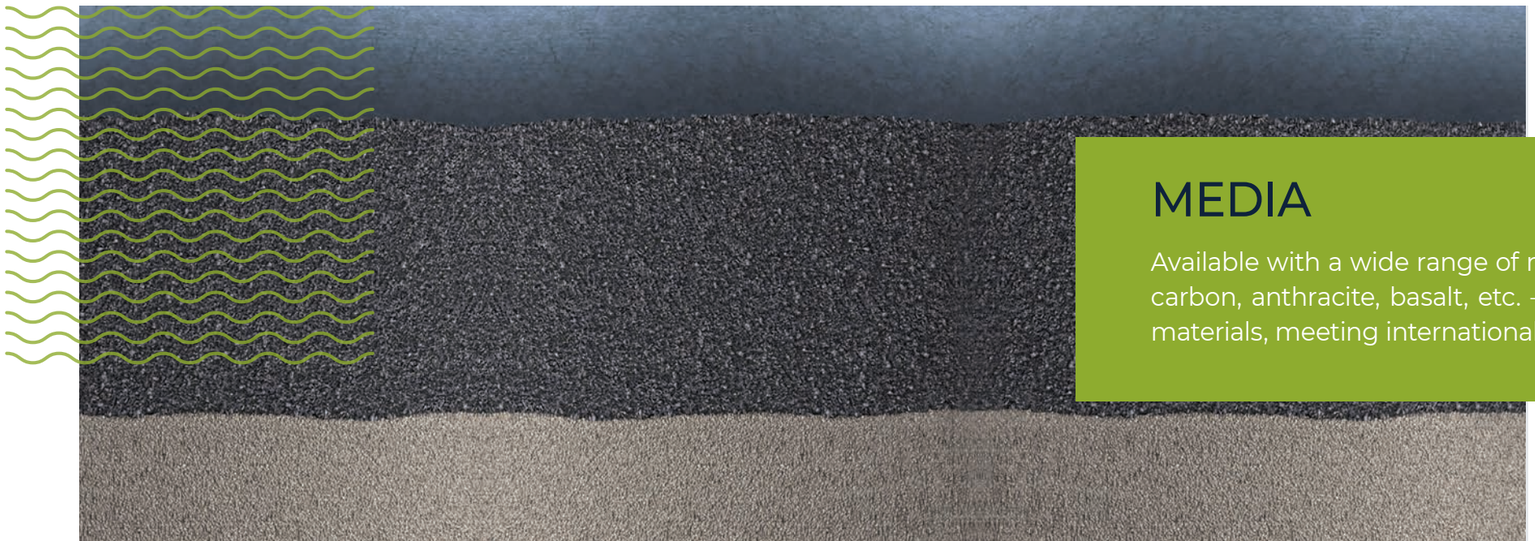
SPIN KLIN™ DISC

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 I 2"-4"

Operation I Automatic

Flow rate I ≤ 100 m³/h (440 gpm)

Filtration degrees I 80-500 micron

PATENTED

Registered Patent

MINI SIGMA Series

Diameters I 2"-4"

Operation I Automatic

Flow rate I ≤ 80 m³/h (352 gpm)

Filtration degrees I 50-500 micron

M100 Series

Diameters I 4"-10"

Operation I Automatic

Flow rate I ≤ 400 m³/h (1,760 gpm)

Filtration degrees I 80-500 micron

PATENTED

Registered Patent

SIGMA PRO Series

Diameters I 4"-8"

Operation I Automatic

Flow rate I ≤ 280 m³/h (1,233 gpm)

Filtration degrees I 50-500 micron

MG Series

Diameters I 10"-14"

Operation I Automatic

Flow rate I ≤ 800 m³/h (3,520 gpm)

Filtration degrees I 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.

FILTOMAT

AMIAD

Automatic Screen Filters

TAF Series

Diameters I 2"-3"

Operation I Automatic

Flow rate I ≤ 50 m³/h (220 gpm)

Filtration degrees I 10-500 micron

EBS Series

Diameters I 8"-36"

Operation I Automatic

Flow rate I ≤ 7,200 m³/h (32,000 gpm)

Filtration degrees I 10-800 micron

SAF Series

Diameters I 2"-10"

Operation I Automatic

Flow rate I ≤ 400 m³/h (1,760 gpm)

Filtration degrees I 10-800 micron

OMEGA Series

Diameters I 8"-16"

Operation I Automatic

Flow rate I ≤ 2,200 m³/h (9,700 gpm)

Filtration degrees I 10-500 micron

ABF Series

Diameters I 3"-36"

Operation I Automatic

Flow rate I ≤ 7,200 m³/h (32,000 gpm)

Filtration degrees I 200-3,500 micron

AMIAD

Automatic Disc Filters

2" SPIN KLIN™ Compact

Diameters I 2"

Operation I Automatic

Flow rate I ≤ 15 m³/h (66 gpm)

Filtration degrees I 20-400 micron

3" SPIN KLIN™ APOLLO ANGLE Batteries

Diameters I 4”-8”

Operation I Automatic

Flow rate I ≤ 320 m³/h (1,409 gpm)

Filtration degrees I 20-400 micron

2" SPIN KLIN™ Batteries

Diameters I 3"-6"

Operation I Automatic

Flow rate I ≤ 120 m³/h (530 gpm)

Filtration degrees I 20-400 micron

4" SPIN KLIN™ APOLLO TWIN Batteries

Diameters I 10"-12"

Operation I Automatic

Flow rate I ≤ 800 m³/h (3,520 gpm)

Filtration degrees I 20-400 micron

3" SPIN KLIN™ Batteries

Diameters I 6"

Operation I Automatic

Flow rate I ≤ 200 m³/h (880 gpm)

Filtration degrees I 20-400 micron

4" SPIN KLIN™ GALAXY Batteries

Diameters I 8"-16"

Operation I Automatic

Flow rate I ≤ 3000 m³/h (13,200 gpm)

Filtration degrees I 20-400 micron

ARKAL

Semi-Automatic & Manual Filters

SEMI AUTOMATIC **BRUSHAWAY** Series

Technology I Screen

Diameters I 2"-8"

Operation I Semi-Automatic

Flow rate I ≤ 300 m^3/h (1,320 gpm)

Filtration degrees I 200-3,500 micron

MANUAL PLASTIC AMIAD Series

Technology I Screen, Disc

Diameters I ¾"-3"

Operation I Manual

Flow rate I ≤ 50 m^3/h (220 gpm)

Filtration degrees I 50-3,500 micron

SEMI AUTOMATIC **SCANAWAY** Series

Technology I Screen

Diameters I 2"-8"

Operation I Semi-Automatic

Flow rate I ≤ 300 m^3/h (1,320 gpm)

Filtration degrees I 50-500 micron

MANUAL PLASTIC AMIAD TAGLINE Series

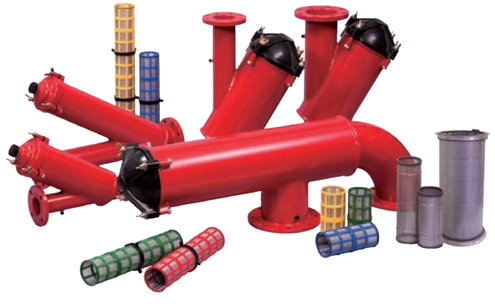
Technology I Screen, Disc

Diameters I ¾"-3"

Operation I Manual

Flow rate I ≤ 50 m^3/h (220 gpm)

Filtration degrees I 80-500 micron



MANUAL STEEL Series

Technology I Screen

Diameters I 2"-8"

Operation I Manual

Flow rate I ≤ 300 m^3/h (1,320 gpm)

Filtration degrees I 50-3,500 micron

MANUAL PLASTIC ARKAL Series

Technology I Disc

Diameters I ¾"-6"

Operation I Manual

Flow rate I ≤ 160 m^3/h (705 gpm)

Filtration degrees I 20-800 micron

AMIAD ARKAL

Media Filters & **Sand Separators**

Fertilizer Injector Pumps

MEDIA Series

Technology I Media

Diameters I 20"-48"

Operation I Automatic

Flow rate I ≤ 75 m³/h (330 gpm) per unit

FERTILIZER INJECTOR PUMP 4-01

Type I Hydraulic Motor

Operation I Manual / Automatic

Injection rate I ≥ 250 l/hr (66 gal/h)

AGF Series

Technology I Media

Diameters I 48"

Operation I Automatic

Flow rate I ≤ 70 m³/h (308 gpm) per unit

FERTILIZER INJECTOR PUMP 4-02 / 4-92

Type I Hydraulic Motor

Operation I Manual / Automatic

Injection rate I ≥ 250 l/hr (66 gal/h)

SAND SEPARATOR Series

Diameters I 2"

Operation I Automatic

Flow rate I <=25 m³/h per unit

DUPLEX FERTILIZER INJECTOR PUMP 4-03

Type I Hydraulic Motor

Operation I Manual / Automatic

Injection rate I ≥ 500 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

Drip Irrigation

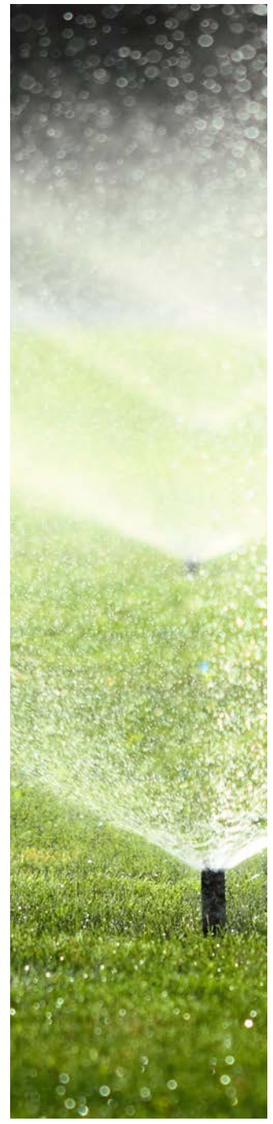
- Agriculture
- Horticulture
- Greenhouses
- Landscape

Micro Sprinklers

- Horticulture
- Greenhouses
- Landscape

Pivot Irrigation

- Agriculture
- Horticulture



Sprinklers

- Agriculture
- Gardening
- Golf
- Landscape

Applications

Banana Plantation

Country	Israel
Application	Protection of drip irrigation
Flow rate	80-140 m^3/h (352-616 gpm)
Water source	Wastewater
Filtration degree	130 micron
Filtration solution	6” Sigma Pro

Avocado Plantation

Country	Israel
Application	Protection of drip irrigation
Flow rate	70 m^3/h (308 gpm)
Water source	Lake water (Sea of Galilee)
Filtration degree	100 micron
Filtration solution	4” Mini Sigma

Landscape Irrigation

Country	USA
Application	Landscape irrigation
Flow rate	40 m^3/h (176 gpm)
Water source	Municipal water
Filtration degree	300 micron
Filtration solution	4” Mini Sigma

Apple Orchard

Country	Israel
Application	Protection of drip irrigation
Flow rate	120 m^3/h (528 gpm)
Water source	Reservoir
Filtration solution	4 x 36” Media Filters

Banana, Avocado & Mango

Country	Israel
Application	Protection of drip irrigation
Flow rate	700 m^3/h (3,082 gpm)
Water source	Lake and river
Filtration degree	100 micron
Filtration solution	2 x 5 Apollo Twin 10”

Rahat Reservoir

Country	Israel
Application	Wastewater treatment for irrigation crops
Flow rate	1,000 m^3/h (4,400 gpm)
Water source	Rahat Reservoir
Filtration degree	130 micron
Filtration solution	5 x Filtomat M108

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