

Filtration Products for Industry

MASTERS OF FILTRATION



Any Crop



Anywhere



Any Water Source



Any Technology



Your water challenge.
Our filtration solution.

Amiad Water Systems is a world leader in water treatment and filtration solutions. For over 57 years Amiad has devoted its passion and commitment to developing a comprehensive line of water filtration systems for a wide range of industrial applications.

Our solutions are integrated into the core of water filtration systems in the following industries and applications: metal, plastic, energy, chemical, water treatment and salt water disposal.

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 industrial need, including screen, disc, microfiber or media technology.



Disc Technology



Screen Technology



Media Technology



Microfiber 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 solution for your water filtration system, consult with Amiad. We focus on doing what we do best.

Amiad. Masters of Filtration.

ADVANCED FILTRATION TECHNOLOGIES

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



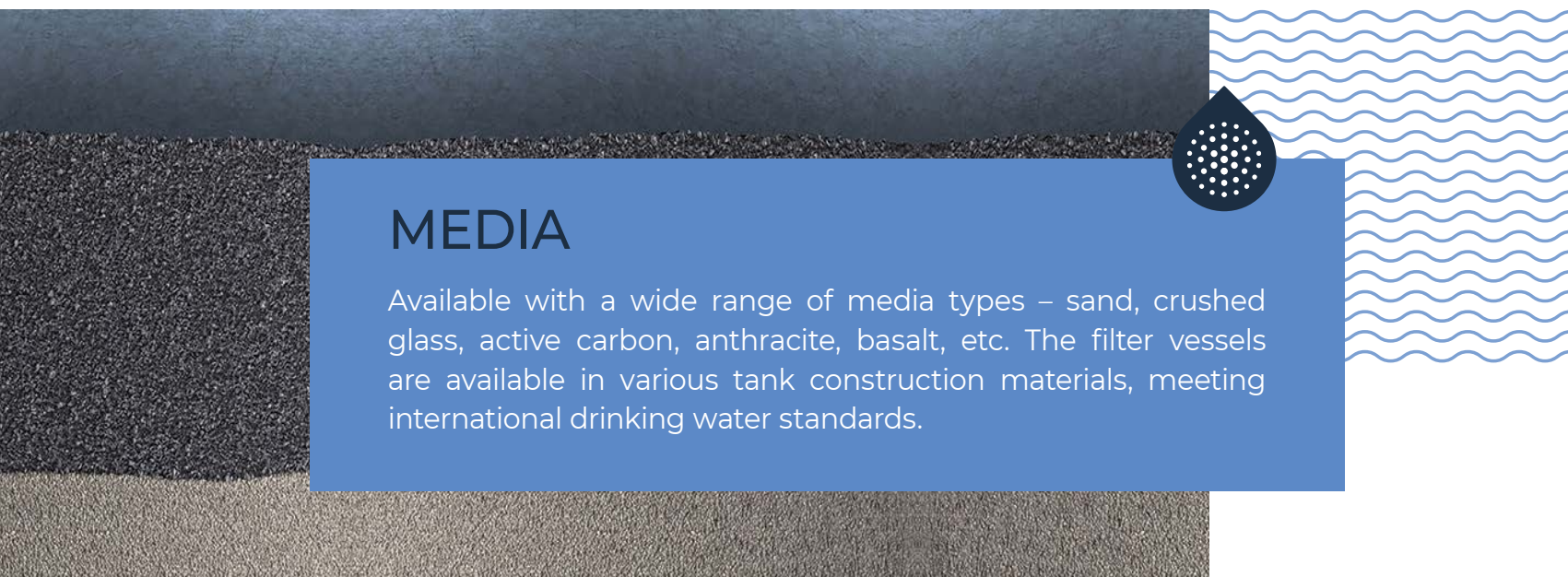
SPIN KLIN™ DISC

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



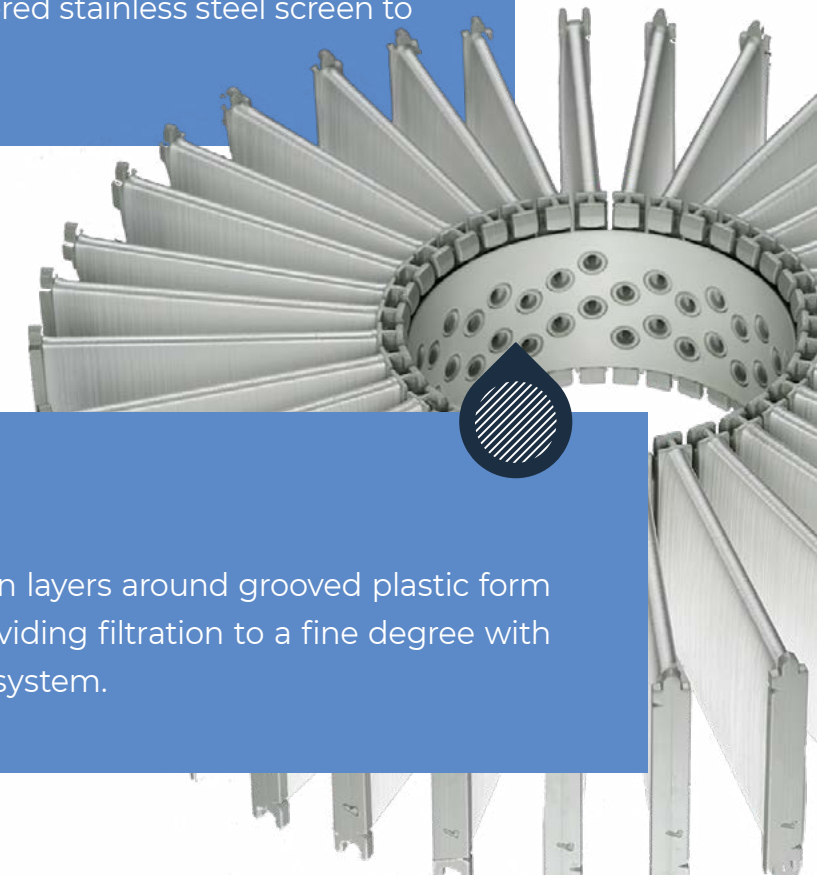
SUCTION-SCANNING SCREEN

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, crushed glass, active carbon, anthracite, basalt, etc. The filter vessels are available in various tank construction materials, meeting international drinking water standards.



MICROFIBER

Fine microfibers wound in layers around grooved plastic form the thread cassettes, providing filtration to a fine degree with an efficient self-cleaning system.



Automatic Screen Filters



OMEGA Series

Diameters | 4"-16"
Operation | Automatic
Flow rate | $\leq 9,700$ gpm (2,200 m³/h)
Filtration degrees | 10-500 micron



SAF Series

Diameters | 2"-10"
Operation | Automatic
Flow rate | $\leq 1,760$ gpm (400 m³/h)
Filtration degrees | 10-800 micron



EBS Series

Diameters | 8"-36"
Operation | Automatic
Flow rate | $\leq 32,000$ gpm (7,200 m³/h)
Filtration degrees | 10-800 micron



TEQUATIC™ Series

Diameters | 3"-6"
Operation | Automatic
Flow rate | ≤ 320 gpm (36-73 m³/h) per filter element



ABF Series

Diameters | 3"-36"
Operation | Automatic
Flow rate | $\leq 32,000$ gpm (7,200 m³/h)
Filtration degrees | 200-3,500 micron

Automatic Screen Filters



Automatic Microfiber Filters



Registered Patent

SIGMA PRO Series

Diameters | 4"-8"

Operation | Automatic

Flow rate | $\leq 1,233$ gpm (280 m³/h)

Filtration degrees | 50-500 micron



AMF Series

Diameters | 2"-8"

Operation | Automatic

Flow rate | ≤ 880 gpm (200 m³/h)

Filtration degrees | 2-20 micron



Registered Patent

MINI SIGMA Series

Diameters | 2"-4"

Operation | Automatic

Flow rate | ≤ 352 gpm (80 m³/h)

Filtration degrees | 50-500 micron

TAF Series

Diameters | 2"-3"

Operation | Automatic

Flow rate | ≤ 220 gpm (50 m³/h)

Filtration degrees | 10-500 micron



Automatic Disc Filters



2" SPIN KLIN™ Compact

Diameters | 2"
Operation | Automatic
Flow rate | ≤ 66 gpm (15 m³/h)
Filtration degrees | 10-400 micron



3" SPIN KLIN™ Batteries

Diameters | 6"
Operation | Automatic
Flow rate | ≤ 880 gpm (200 m³/h)
Filtration degrees | 10-400 micron



2" SPIN KLIN™ Batteries

Diameters | 3"-6"
Operation | Automatic
Flow rate | ≤ 530 gpm (120 m³/h)
Filtration degrees | 10-400 micron



4" SPIN KLIN™ GALAXY Batteries

Diameters | 8"-16"
Operation | Automatic
Flow rate | $\leq 13,200$ gpm (3000 m³/h)
Filtration degrees | 10-400 micron



2" SPIN KLIN™ Air Aided Batteries

Diameters | 3"-4"
Operation | Automatic
Flow rate | ≤ 264 gpm (60 m³/h)
Filtration degrees | 10-400 micron



10" SPIN KLIN™ SUPER GALAXY

Diameters | 8"-12"
Operation | Automatic
Flow rate | $\leq 22,000$ gpm (50,000 m³/h)
Filtration degrees | 10-400 micron

Media Filters & Sand Separation



DVF Series

Technology | Media
Diameters | Up to 3"
Operation | Automatic
Flow rate | ≤ 220 gpm (50 m³/h)



PEP MEDIA

Technology | Media
Operation | Automatic
Flow rate | $\leq 1,006$ gpm (228 m³/h) per unit



AGF Series

Technology | Media
Diameters | 48"
Operation | Automatic
Flow rate | ≤ 308 gpm (70 m³/h) per unit



PEP SEPARATOR

Diameters | 3/4"-12"
Operation | Automatic
Flow rate | $\leq 5,000$ gpm (1,136 m³/h)

Semi-Automatic Filters



Manual Filters



SEMI AUTOMATIC BRUSHAWAY Series

Technology | Screen
Diameters | 2"-8"
Operation | Semi-Automatic
Flow rate | $\leq 1,320$ gpm (300 m³/h)
Filtration degrees | 200-3,500 micron



MANUAL PLASTIC Series

Technology | Screen, Disc
Diameters | 3/4"-6"
Operation | Manual
Flow rate | ≤ 705 gpm (160 m³/h)
Filtration degrees | 20-3,500 micron



SEMI AUTOMATIC SCANAWAY Series

Technology | Screen
Diameters | 2"-8"
Operation | Semi-Automatic
Flow rate | $\leq 1,320$ gpm (300 m³/h)
Filtration degrees | 50-500 micron



MANUAL STEEL Series

Technology | Screen
Diameters | 2"-8"
Operation | Manual
Flow rate | $\leq 1,320$ gpm (300 m³/h)
Filtration degrees | 50-3,500 micron

Applications



Intake Water

Intake water requires filtration, as a continuous and stable supply of quality water is vital for industrial facilities while ensuring process flow and minimum downtime.

- Nozzles Protection
- Membrane Protection
- UV Protection
- Removal of Invasive Species
- Sand Separation



Cooling Water

Industrial manufacturing facilities require the use of cooling equipment for high-temperature processes and filtration is needed to protect equipment and adhere to environmental regulations.

- Nozzles Protection
- Cooling Towers Side Stream
- Cooling Systems Full Stream
- Equipment Protection
- Cooling Tower Makeup



Reclaim / Reuse

Filtration and treating industrial used water for reuse or utilizing reclaimed water, such as rainwater or stormwater, will contribute significantly reduce costs.

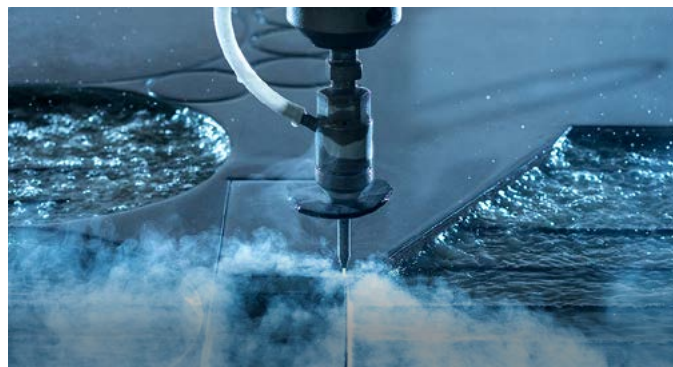
- Nozzles Protection
- Salt Water Disposal
- Well Protection
- Tertiary Treatment
- Equipment Protection
- Rainwater Harvesting



Drinking Water

Municipalities require reliable systems to deliver a constant and stable supply of clean water to the population, industry, and energy and filtration is a crucial step.

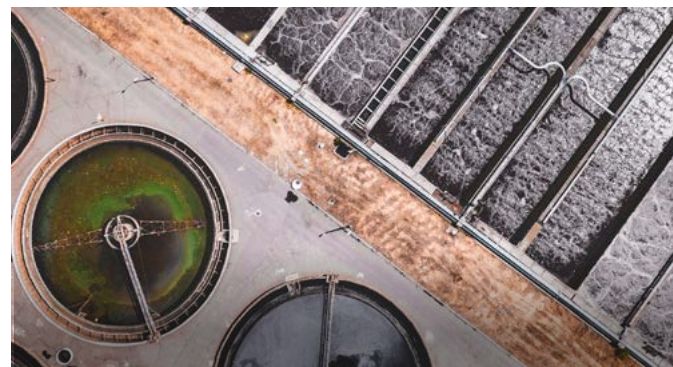
- Activated Carbon Vessels and Media Filter Protection
- Cartridge Replacement or Protection
- Membrane Protection
- UV Protection
- Metal Removal (arsenic, iron, manganese)



Process Water

Water used in manufacturing processes requires filtration to ensure a continuous and stable water supply and efficient production.

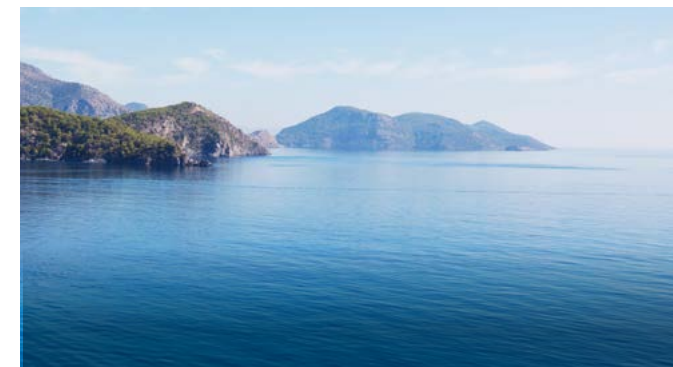
- Nozzles Protection
- Cartridge Replacement or Protection
- Membrane Protection
- UV Protection
- Produced Water



Wastewater

Environmental regulations require that wastewater be treated before reuse or discharge to the environment, and reliable filtration is necessary.

- Tertiary Treatment
- TSS / Turbidity Removal
- Service Water
- Membrane Protection
- UV Protection



Seawater

Seawater has a high organic and mineral content and must be filtered to protect downstream systems such as heat exchangers in cooling systems or membranes in desalination systems.

- Aquaculture
- Membrane Protection
- Cooling Water
- Offshore Injection Water
- Produced Water



Aquaculture

Onshore aquaculture uses large tanks with limited water quantity, easily contaminated with food and waste. Filtration is required to keep the water clean and free from organic matter to increase the amount of fish in the tanks.

- Recirculated System (RAS)
- UV Systems Protection
- Effluent Water Treatment
- Solids and Algae Removal
- Removal of Invasive Species

Installations



Garden City WTP

Country	Garden City, UT, USA
Application	Protection Membrane System
Flow rate	300 gpm (68 m ³ /h)
Water source	Well water
Filtration degree	600 micron
Filtration solution	3 x 10" SAF 6,000



Village of Western Springs WTP

Country	Western Springs, IL, USA
Application	RO pre-filtration and iron removal
Flow rate	2,100 gpm (477 m ³ /h)
Water source	2 x deep wells – water contains iron
Filtration degree	2 micron
Filtration solution	2 x AMF 370K



Saratoga Spring PI System

Country	Saratoga Springs, UT, USA
Application	Protection for Municipal Pressurized Irrigation System
Flow rate	3,000 gpm / Future 10,000 gpm
Water source	Utah Lake water
Filtration degree	300 micron
Filtration solution	2 x 18" Omega 27,000



Plastic injection plant

Country	Connecticut, USA
Application	Cooling Tower make-up water
Flow rate	120 gpm (27 m ³ /h)
Water source	River Water
Filtration degree	5 micron
Filtration solution	2 x DVF600 filters



Pre-filtration for membranes

Country	Texas, USA
Application	Pre-filtration of UF and RO membranes for drinking water
Flow rate	2,090 gpm (9,040 m ³ /h)
Water source	Lake Texoma
Filtration degree	130 micron
Filtration solution	7 modules of 2 X 10" NSF 61 approved Super Galaxy Spin-Klin™ filters



U.S. National Whitewater Center

Country	USA
Application	Water treatment
Flow rate	9,500 gpm (2,160 m ³ /h)
Water source	Swimming lake
Filtration degree	130 micron
Filtration solution	10" Super Galaxy



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 **amiad**® INDUSTRY

MASTERS OF FILTRATION

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