



Filtration Products for Industry

MASTERS ^{OF} FILTRATION



Any Technology



Anywhere



Any Challenge



Any Water Source



**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.

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.



Disc
Technology



Screen
Technology



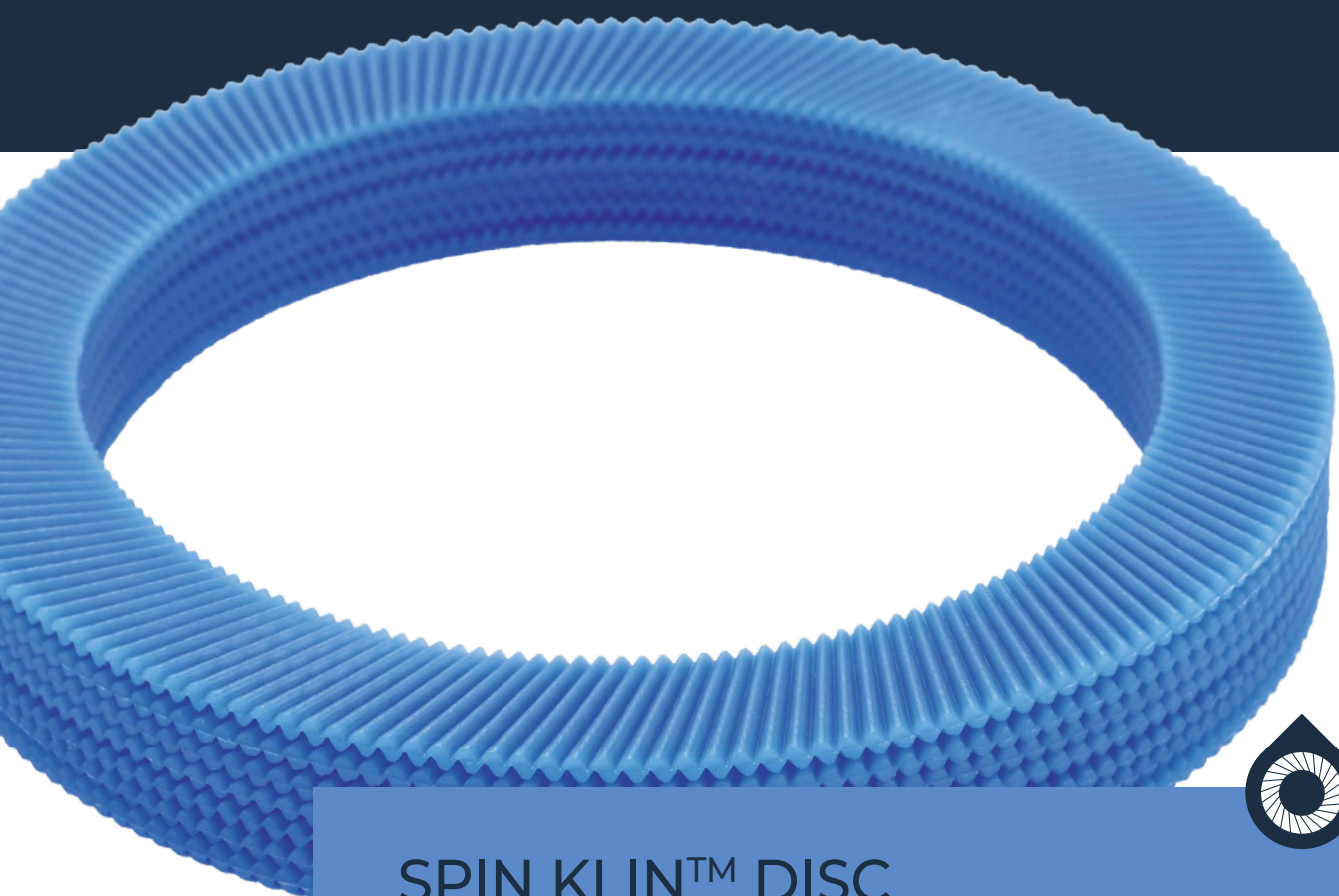
Media
Technology



Microfiber
Technology

ADVANCED FILTRATION TECHNOLOGIES

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



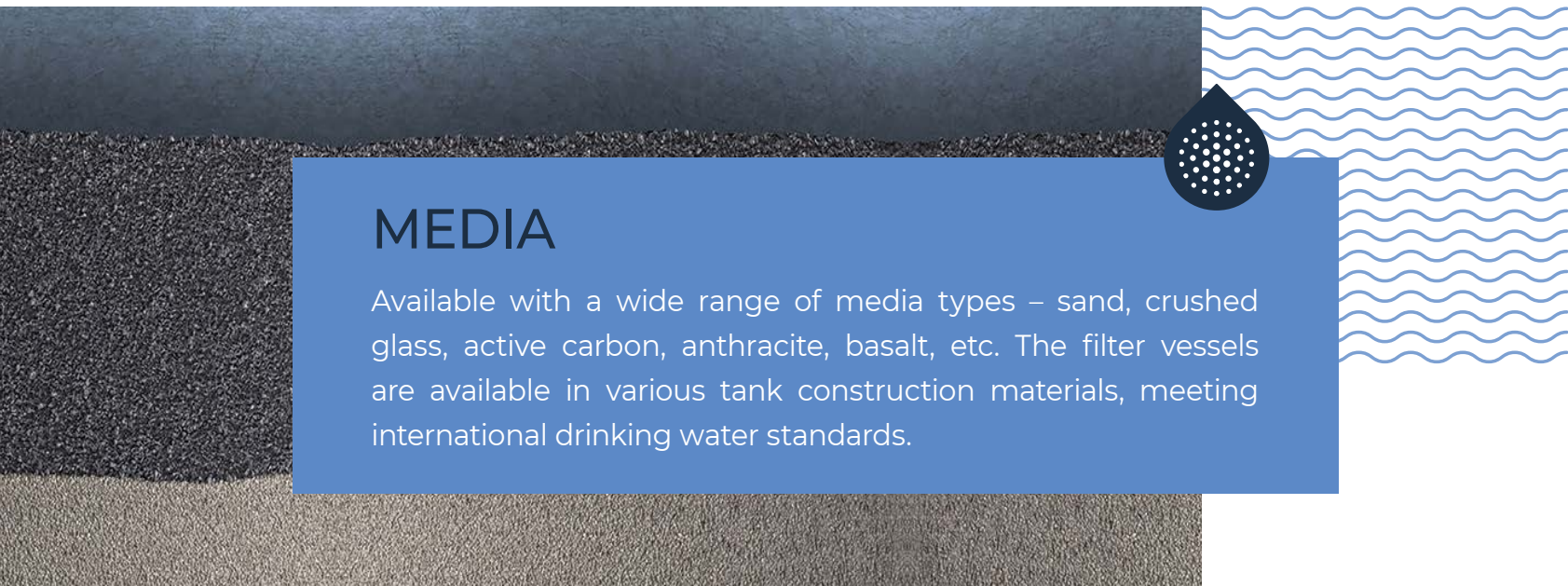
SPIN KLIN™ DISC

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 | $\leq 2,200 \text{ m}^3/\text{h}$ (9,700 gpm)
Filtration degrees | 10-500 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



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



MCFM Series

Diameters | 4"-10"
Operation | Automatic
Flow rate | $\leq 500 \text{ m}^3/\text{h}$ (2,200 gpm)
Filtration degrees | 30-3000 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



TEQUATIC™ Series

Diameters | 3"-6"
Operation | Automatic
Flow rate | $\leq 36-73 \text{ m}^3/\text{h}$ (320 gpm) per filter element

Automatic Screen Filters



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



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



TAF Series

Diameters | 2"-3"
Operation | Automatic
Flow rate | $\leq 50 \text{ m}^3/\text{h}$ (220 gpm)
Filtration degrees | 10-500 micron

Automatic Microfiber Filters



AMF Series

Diameters | 2"-8"
Operation | Automatic
Flow rate | $\leq 200 \text{ m}^3/\text{h}$ (880 gpm)
Filtration degrees | 2-20 micron



Automatic Disc Filters



2" SPIN KLIN™ Compact

Diameters | 2"
Operation | Automatic
Flow rate | $\leq 15 \text{ m}^3/\text{h}$ (66 gpm)
Filtration degrees | 10-400 micron



4" SPIN KLIN™ APOLLO TWIN Batteries

Diameters | 10"-12"
Operation | Automatic
Flow rate | $\leq 800 \text{ m}^3/\text{h}$ (3,520 gpm)
Filtration degrees | 20-400 micron



2" SPIN KLIN™ Batteries

Diameters | 3"-6"
Operation | Automatic
Flow rate | $\leq 120 \text{ m}^3/\text{h}$ (530 gpm)
Filtration degrees | 10-400 micron



4" SPIN KLIN™ GALAXY Batteries

Diameters | 8"-16"
Operation | Automatic
Flow rate | $\leq 3000 \text{ m}^3/\text{h}$ (13,200 gpm)
Filtration degrees | 10-400 micron



3" SPIN KLIN™ Batteries

Diameters | 6"
Operation | Automatic
Flow rate | $\leq 200 \text{ m}^3/\text{h}$ (880 gpm)
Filtration degrees | 10-400 micron



10" SPIN KLIN™ SUPER GALAXY

Diameters | 8"-12"
Operation | Automatic
Flow rate | $\leq 50,000 \text{ m}^3/\text{h}$ (22,000 gpm)
Filtration degrees | 10-400 micron

Media Filters & Sand Separation



MEDIA Filters

Technology | Media
Diameters | 16"-60"
Operation | Automatic
Flow rate | $\leq 75 \text{ m}^3/\text{h}$ (330 gpm) per unit



DVF Series

Technology | Media
Diameters | Up to 3"
Operation | Automatic
Flow rate | $\leq 50 \text{ m}^3/\text{h}$ (220 gpm)



AGF Series

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



SAND SEPARATOR Series

Diameters | 2"
Operation | Automatic
Flow rate | $\leq 125 \text{ m}^3/\text{h}$ (550 gpm)

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

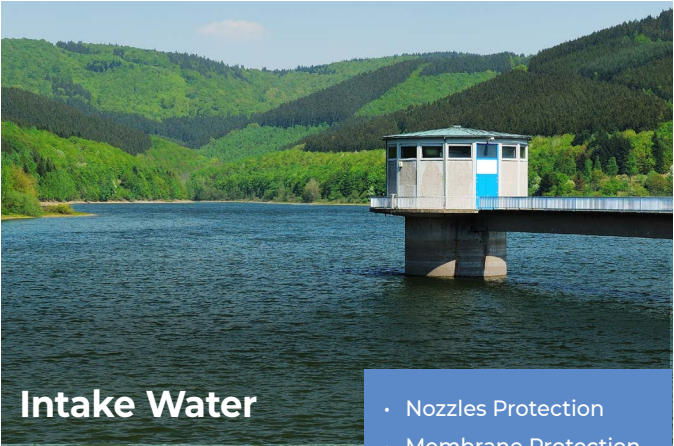
Technology | Screen
Diameters | 2"-8"
Operation | Manual
Flow rate | $\leq 300 \text{ m}^3/\text{h}$ (1,320 gpm)
Filtration degrees | 50-3,500 micron



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

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.

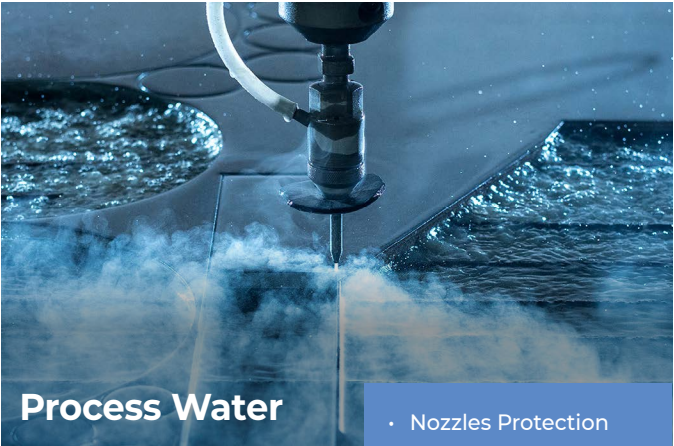
- Nozzles Protection
- Salt Water Disposal
- Well Protection
- Tertiary Treatment
- Equipment Protection
- Rainwater Harvesting



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.

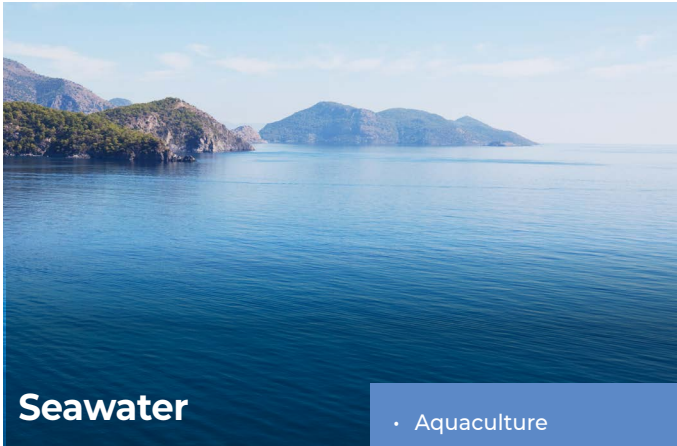
- Nozzles Protection
- Cartridge Replacement or Protection
- Membrane Protection
- UV Protection
- Produced Water



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



Water Reclamation Plant

| | |
|----------------------------|--|
| Country | Singapore |
| Application | Pre-filtration of UF/MF membranes |
| Flow rate | 1,500 m ³ /h (6,604 gpm) per unit |
| Water source | Secondary effluent wastewater |
| Filtration degree | 500 micron |
| Filtration solution | 11 x ABF 15,000 |



Power Station

| | |
|----------------------------|--|
| Country | Thailand |
| Application | Cooling water |
| Flow rate | 1,070 m ³ /h (4,711 gpm) per filter |
| Water source | Cooling tower |
| Filtration degree | 50 micron |
| Filtration solution | 2 x OMEGA 54K |



Cardboard Production

| | |
|----------------------------|--|
| Country | Russia |
| Application | Process water |
| Flow rate | 600 m ³ /h (2,642 gpm) |
| Water source | River |
| Filtration degree | 200 micron |
| Filtration solution | 3 batteries of 6 x 4" GALAXY external source following sand separators |



Desalination Plant

| | |
|----------------------------|---------------------------------------|
| Country | Singapore |
| Application | Pre-filtration of UF membranes |
| Flow rate | 13,900 m ³ /h (61,600 gpm) |
| Water source | Seawater |
| Filtration degree | 100 micron |
| Filtration solution | 4 x 22 modules of 10" Super Galaxy |



Milk Production Factory

| | |
|----------------------------|--|
| Country | Azerbaijan |
| Application | Drinking and service water |
| Flow rate | 50 m ³ /h (220 gpm) |
| Water source | Canal water |
| Filtration degree | 2 - 50 micron |
| Filtration solution | 4" SAF 3000 & AMF 370K following sedimentation |



Semi-Conductors Manuf.

| | |
|----------------------------|---------------------------------|
| Country | Israel |
| Application | Drinking water supply |
| Flow rate | 115 m ³ /h (506 gpm) |
| Water source | Municipal water |
| Filtration degree | 25 micron |
| Filtration solution | 2 x 6" SAF 6000 |



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 **amiad** INDUSTRY

MASTERS OF FILTRATION

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