our values

your benefits

Our vision and values focus on constant innovation, striving to deliver advanced water filtration solutions which provide Return On Investment (ROI) while protecting the environment.
Saving Energy
Energy, like water, is a precious resource. All our filters are designed to use minimal energy, some even operate solely through water pressure.

Water Conservation
Conserving water is an integral part of all our systems. Amiad’s self-cleaning filters utilize minimal amount of back flush water, ensuring clean water can be used for production.

ROI
Amiad’s filtration systems yield proven return on investment. Clean water enhances the production process and protects infrastructure, such as pipes, machinery, valves, emitters and ultra-fine filters.

Low Maintenance
Amiad filters are designed to perform and built to last. Low maintenance means high confidence, which allows our customers to focus on their core business.

Commitment
Our commitment to quality, reliability, efficiency, and dedicated customer service ensure that end users can focus on production, not filtration.

Small Footprint
Amiad filters are designed to handle big jobs in small areas, freeing up valuable space in crowded urban and limited production areas. Systems can also be installed underground.

Green Technology
Amiad considers ecology along with economics. Our filtration systems deliver clean water with clean technology.

Smart Technology
Sophisticated technology allows Amiad filters to communicate upstream and downstream - and operate remotely - tackling nearly any water filtration challenge.
For half a century, Amiad Water Systems has devoted its passion and innovation to develop a comprehensive line of exceptionally efficient automatic self-cleaning water filters. The 50 year effort of total commitment and focus solely on water filtration has yielded a product range of screen, disc and microfiber technology as well as filtration expertise second to none. We are grateful for the reputation we’ve earned and never forget that it depends on the paramount importance we dedicate to our customers and their water systems we proudly protect with our filtration solutions.

Amiad, Arkal and Filtomat products meet the challenges presented by different water sources, outlet requirements and extreme working conditions - our solutions process millions of cubic meters of water every day, delivering clean water all year round and all over the world. Water Filtration Systems by Amiad are commissioned at the heart of every conceivable water system, protecting water applications for industrial, municipal, agricultural, and domestic use.

Amiad is dedicated to meet the varying needs of its customers worldwide - in Europe, Asia, the Americas, Africa, and Oceania, ever growing its worldwide presence to serve its customers. For decades, Amiad has invested its leverage as a rapidly growing company in continuously expanding its reach to its customers and will continue to do so to meet the growing demands of this evolving market.
Worldwide Presence

Amiad operates from its headquarters and R&D center in Israel and six manufacturing centers. With nine subsidiaries in Australia, Singapore, China, India, Turkey, Europe, Chile, Brazil and the US - we provide filtration solutions to more than 70 countries. We sell through dedicated distribution network, as well as directly to end-users and to water treatment system integrators. Amiad is renowned worldwide for high-quality standards, consistently prompt delivery, availability of parts and ongoing customer support.

Amiad has offices in Australia, Singapore, China, India, Turkey, Europe, Chile, Brazil and North America, and third party distributors around the world. Amiad is renowned worldwide for its high-quality standards, consistent availability of parts, prompt delivery, and ongoing customer support.
Tailor-made water filtration solutions for challenging industrial and municipal needs

Amiad’s unrivalled range of filtration solutions is designed to meet the demanding and diverse requirements of industries and municipalities. Our specialized systems are designed to effectively treat and filter the water according to each customer’s specific requirements.

Proven Reliability, Global Reach

Amiad’s durable industrial and municipal solutions can be customized for a wide range of applications to meet the toughest climates, water conditions, and technical requirements. Our in-depth knowledge and expertise is built on years of experience, undertaking in projects around the world — from Antarctica to the North Sea.

Amiad provides water filtration products and systems as integrated components or as complete filtration solutions for water treatment, potable water, and wastewater; oil and gas plants; cooling towers and more.

Amiad filters are built to meet the highest industry and municipal standards. Flexible configuration makes Amiad filters suitable for installation anywhere along the water system line.

Our Commitment: Clean Technology for a Greener World

At Amiad, environmental responsibility is a core value. Amiad water filtration systems are more than just effective and reliable—they’re safe to use as well as environmentally sound:

- No chemicals
- No polymers
- A bare minimum of back flush water
- Reduced energy demand – many of Amiad’s systems don’t even require electricity

Customized Solutions to Meet Any Challenge

Amiad develops and designs filtration solutions to meet specific needs. Our experienced team utilizes their extensive expertise to develop innovative filtration solutions, providing custom-built solutions to meet market requirements.

Innovation: The Future is Automated

Over the last 50 years, Amiad Water Systems Limited has developed a range of compact automatic, self-cleaning filters incorporating innovative technology. The benefits are clear—low maintenance filters with low energy consumption substantially reduce costs.

Designed for a small footprint, these filters are available in sizes ranging from 2 inches to 36 inches in diameter and in filtration degrees ranging from as much as 3500 microns to as fine as 2 microns.
Amiad’s leading suction-scanning technology combines focused flush with automation to provide 100% cleaning of the screen area, using less than 1% of the total process water for cleaning. The self-cleaning cycle is triggered by the accumulation of suspended solids (filter cake) on the screen surface, as measured by the pressure differential. Because cleaning is performed “as needed”, it results in minimal water and energy waste. Suction-scanning technology eliminates the need to isolate the filter during the self-cleaning cycle. The focused cleaning and the minimal exhaust requirement allow for uninterrupted process flow.
Arkal’s unique Spin Klin® disc filtration and patented backwash technology, operates using thin, color-coded discs of a specific micron size.

The discs are grooved on both sides, in opposite directions, creating a series of crossing points which form multiple particle traps.

A series of discs are stacked and compressed on a specially designed spine, producing a matrix of consecutive crossing points which trap the particles, thus creating a depth filtration element.

The system enters backflush mode, activated by predefined time command or differential pressure.
Amiad uses Filtomat microfiber thread technology to create highly-effective self-cleaning water filter systems. The automatic self-cleaning filters use a unique filtration medium constructed of fine threads wound in layers around a grooved plastic spool cassette, removing dirt particles as water flows through multi-layered microfibers to the collecting pipes and out of the filter via outlets. The accumulation of dirt particles causes differential pressure. At a preset pressure differential value or time interval, the control unit activates the self-cleaning cycle.
amiad applications
Industrial & Municipal Applications

OIL & GAS
A1 cooling water
A2 injection water
A3 pre-filtration to membranes
A4 produced water

WASTEWATER
B1 pre-filtration to membranes
B2 polishing
B3 intake water

INDUSTRIAL
C1 cooling towers
C2 intake water
C3 pre-filtration to membranes
C4 process water

MUNICIPAL
D1 removal of dissolved chemical elements
D2 pre-filtration to membranes
D3 potable water
D4 desalination

MARINE
E1 Ballast water
**Oil & Gas Injection Water**

**EBS 10000 - 25 micron | AMF² 370k - 7 micron**

**Application:** Salt dome leaching for gas storage  
**Flowrate:** 8000 USgpm  
**Filtration degree:** stage 1: 25 micron stage 2: 7 micron

**Water source:** Salt dome leach water (100% brine saturation)  
**Filtration solution:** stage 1: 70xEBS 10000  
stage 2: 20xAMF² 370k

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**OUR BENEFITS**

- **Small Footprint**  
- **Water Conservation**  
- **Green Technology**  
- **Low Maintenance**  
- **Saving Energy**

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*amiad industrial catalogue case study*
**Oil & Gas Injection Water**

**EBS 10000 - 25 micron**

- **Project name:** FPSO, Singapore
- **Application:** Injection Water
- **Flowrate:** 220 m³/h, 970 USgpm
- **Filtration degree:** Stage 1: 200µ, Stage 2: 25µ, Stage 3: 5µ
- **Water source:** Seawater
- **Filtration solution:**
  - Stage 1: 200µ - 2xEBS,
  - Stage 2: 25µ - 2xEBS,
  - Stage 3: 5µ - cartridge system

**OUR BENEFITS**

- Small Footprint
- Water Conservation
- Green Technology
- Low Maintenance
- Saving Energy

*Refinery*  
*Oil Reservoir*
Wastewater Tertiary Treatment

AMF² 93K - 10 micron

Project name: Wastewater Treatment Plant, South Carolina, USA
Application: Tertiary Treatment
Flowrate: 57 m³/h; 250 USgpm

Filtration degree: 10 micron
Water source: Treated wastewater
Filtration solution: 2xAMF² 93K

OUR BENEFITS

Small Footprint  Water Conservation  Green Technology  Low Maintenance

Diagram showing the flow of wastewater through a plant with various components such as Rake, Sand Catcher, Preliminary Sedimentation, and Sludge Treatment.
ABF 10000 - 500 micron

Project name: Newater, Singapore
Application: Pre-filtration for UF, RO and UV systems
Flowrate: 2,060 m³/hr; 9,070 USgpm
Filtration degree: 500 micron
Water source: Secondary treated sewage effluent
Filtration solution: 4x14” ABF-10000 Filters, stainless steel 316

OUR BENEFITS

Small Footprint  Water Conservation  Green Technology  Low Maintenance  Saving Energy
Cooling Tower

4” Galaxy – 70 micron

Project name: Fine Chemicals Producer, Korea
Application: Side stream cooling tower
Flowrate: 200 m³/h

Filtration degree: 70 micron
Water Source: Treated River Water (make-up water)
Filtration Solution: 5 x 4” Galaxy

OUR BENEFITS

Water Conservation  ROI  Low Maintenance  Saving Energy

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Cooling Consumers

Side-Stream Filtration
Project name: Guangdong Shao Steel Plant, China
Application: Cooling Water
Flowrate: 8,000 m³/h; 35,200 USgpm

Filtration degree: 200 micron
Water source: Dam water
Filtration solution: 8x16” ABF

OUR BENEFITS

Small Footprint
Water Conservation
Green Technology
Low Maintenance
Saving Energy
Pre-filtration to Desalination

6” Galaxy 100 micron

Project name: Escombreras Desalination Plant, Spain
Application: Pre-filtration to seawater RO
Flowrate: 7200 m³/h
Filtration degree: 100 micron
Water Source: Sea Water
Filtration Solution: Module configuration 6 x 12 6” Galaxy

OUR BENEFITS

Water Conservation ROI Low Maintenance Saving Energy

Reverse Osmosis Unit Calcite Remineralization Beds

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Treated Water Tank
Arkal Disc Filters
Active Carbon Filters
Flotation Line
Inlet
Outlet
**AMF² 370K - 3 micron**

**Project name:** Ramenskoe Potable WTP, Russia  
**Application:** Iron removal  
**Flowrate:** 250 m³/hr; 1,100 USgpm  
**Filtration degree:** 3 micron  
**Water source:** Wells  
**Filtration solution:** 2xAMF² 370K

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**OUR BENEFITS**

- Small Footprint  
- Water Conservation  
- Green Technology  
- Low Maintenance  
- Saving Energy

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**Diagram Description:**

- **Treated Water Tank**
- **City Network**
- **Aeration Tank**
Ballast Water

4” Galaxy – 55 micron

Project name: Cruise ship, USA
Application: Ballast Water Treatment
Flowrate: 250 m³/h
Filtration degree: 55 micron
Water Source: Sea water
Filtration Solution: 6x4” Galaxy battery

OUR BENEFITS

ROI
Low Maintenance
Commitment

Ballast Tank
UV / Disinfection Unit

Ballasting
Deballasting

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