



BILFINGER WATER TECHNOLOGIES

GLOBAL CAPABILITIES

WE STRIVE TO SATISFY OUR CLIENTS' GLOBAL OPERATING NEEDS FOR WATER INFRASTRUCTURE, FLUID PROCESSING, INDUSTRIAL FILTRATION AND VACUUM TECHNOLOGY.



AIRVAC®
DIEMME® FILTRATION
GEIGER®
JOHNSON SCREENS®
NOGGERATH®
PASSAVANT®
ROEDIGER®
ROEVAC®



BILFINGER WATER TECHNOLOGIES

Bilfinger Water Technologies provides our clients with screening and filtration expertise that is essential for their global water and industrial applications.

As the provider of the Airvac[®], Diemme[®] Filtration, Geiger[®], Johnson Screens[®], Noggerath[®], Passavant[®], Roediger[®] and Roevac[®] brands, Bilfinger Water Technologies products are required in water and wastewater treatment, hydrocarbon processing, mineral processing, power plants, vacuum technology and industrial screening.

To help develop the right solution for your application, our engineering team works closely with you from project concept to installation. If on-site services are required, Bilfinger Water Technologies provides inspection, operational assistance, repair and supervisory services.

At the core of the company is a dedication to all customers. All employees support Bilfinger Water Technologies' brands and are committed to delivering premier products - our customers' needs become our solutions.



GENERAL INDUSTRIAL

Bilfinger Water Technologies offers a wide range of Johnson Screens® Vee-Wire® products that are used for food and beverage production, pulp and paper manufacturing, architectural and construction elements, advanced screening parts for OEM products and mineral processing.

our screens and equipment are integral parts in the following industries:

- Food and beverage processing - specialized screens and equipment for the bio-fuel, corn wet milling, ethanol, malting and brewing, starch and sugar industries that allow for maximum production capability
- OEM Screens - specialized screens and equipment that are manufactured to meet the demanding specifications of original equipment manufacturers in various different markets and industries
- Pulp and paper - pulp, paper and recycling industries use our screens and other equipment for water clarification, cleaning, dewatering, pulp screening and fractionation, fiber retention, drying and other liquid / solid separation processes
- Architecture - We design and manufacture many types of architectural elements that can be specialized to suit different construction projects. the ornate, yet-structural quality of our architectural screens, is a stunning component to any architectural or construction project

Bilfinger Water technologies' products and equipment offer low operating and maintenance costs, while providing maximum performance and functionality.

- ▶ [IMAGE 01 Selection of Screens and Equipment](#)
- ▶ [IMAGE 02 Centrifuge Basket](#)
- ▶ [IMAGE 03 Installation of Polyurethane Panels](#)
- ▶ [IMAGE 04 South Pointe Park - Miami Beach, FL, USA, Light Masts](#)

HYDROCARBON PROCESSING

Bilfinger Water Technologies wide range of products, including Johnson Screens®, are used for media retention and liquid-solid / gas-solid separation in many types of vessels, systems and processes.

Our products and services come with decades of experience, solid engineering and state-of-the-art manufacturing practices. they are the result of close collaboration between our design engineers and our customers; the refinery operators and process licensors™s. We are familiar with all the major catalytic and separation processes used in the refining, petrochemical and gas industries.

Our products are integral with all the major processes such as:

- Refining - Catalytic reforming, hydrocracking, hydrotreating, molecular sieve, MTBE, sulfur removal, catalyst regeneration, HDs, alkylation, isomerization, hydrogen
- petrochemical - ammonia conversion, paraxylene, propane, PTA, styrene monomer dehydrogenation, gas dehydration, methanol, lab, cumene, PSA, mercury removal, benzene absorption
- natural Gas - Molecular sieves, activated and promoted alumina, activated carbon, silica gel, amine, glycol, sulfur plant, mercury removal, IGCC, coal gasification

After delivery, we stay involved until your every expectation of performance is met. When the product is near the end of its operational life, our on-site support technicians are available for maintenance and service, minimizing costly shut down time.

- ▶ [IMAGE 05 Installation of Johnson Screens® Scallops](#)
- ▶ [IMAGE 06 Johnson Screens® Scallops & Centrepipes installed in a vessel](#)
- ▶ [IMAGE 07 Petrochemical Refinery](#)

INDUSTRIAL FILTRATION

Bilfinger Water Technologies manufactures a comprehensive and innovative range of Diemme® Filtration chamber filter presses. Our extensive range of products are used in the following industries;

- Mining / Metallurgical
- Quarry
- Chemical
- Pharmaceutical
- Municipal

Our chamber filter press range is custom designed to satisfy our customers industrial filtration needs. not only do we supply the press but thanks to our designers, engineers and chemists, Bilfinger Water technologies is able to supply, in every circumstance, complete solutions, assisting the customer from the identification of the problem to implementing the solution, this sets us apart from other filter press manufacturers due to our ability to project manage and supply complete sludge dewatering plants in which the center-point is the filter press.

As a result of our commitment to research and development, Bilfinger Water technologies studies and tests innovative systems and solutions in the delicate process of solid-liquid separation, thus continuously widening and strengthening its unparalleled experience that started in 1923.

The testing, carried out by a team of chemists and engineers together with customers™ technicians, aims to determine the filtration parameters for the tested products. this is done in order to perfect both the production process provided by the customer and the performance of the equipment provided by Bilfinger Water technologies.

No matter the size of your application, we have a solution to meet your filtration needs.

▶ [IMAGE 08 Diemme® Filtration, GHT Membrane Filter Press](#)

VACUUM TECHNOLOGY

Bilfinger Water Technologies' wide range of vacuum technology systems, including Airvac®, Roediger® and Roevac® are a cost-effective, inexpensive alternative to conventional wastewater collection systems.

Every vacuum system is custom-made to suit the customer™s specific needs. our designers and engineers work closely with the customer to help solve any complex environmental issues, such as natural resource conservation and the reduction of the ecological footprint.

Our vacuum technology systems can offer solutions for:

- Vacuum sewer systems
- Refurbishment of sewer systems
- Marina systems
- Buildings
- Ships
- Large-scale kitchens and laboratories
- Trains
- Airports
- Hospitals
- Green cities & buildings
- Wastewater treatment plants
- Landfill gas and bio-gas

The benefits of using Bilfinger Water technologies™ vacuum sewer systems to collect wastewater minimizes the following:

- Risks to the environment
- Construction costs
- Odor
- Diseases
- Contamination
- Energy use
- Water use

No matter the size of your application, our team is on-hand to find a solution to meet your wastewater needs.

- ▶ [IMAGE 09 Airvac® Vacuum Station](#)
- ▶ [IMAGE 10 Installation of a Roevac® collection chamber](#)
- ▶ [IMAGE 11 Airvac® Vacuum Pumps](#)

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WATER INTAKE

Water intake screens are used to mechanically clean cooling water at power plants, process water at industrial sites or raw water at potable water plants, desalination plants and irrigation plants.

Bilfinger Water technologies™ offers a wide range of products, including Geiger®, Passavant® and Johnson screens® that are used within the power and desalination industry to protect water intake pumps, condenser tubes and RO-membranes. our range of products and services includes:

- Passive intakes
- Cable-operated bar screens and claw screens
- Revolving chain and traveling band screens
- The MultiDisc® band screen
- Fine and micro-sieving/screening
- Cathodic corrosion protection for the screens and isolation equipment
- Stoplogs and shut-off devices

The design of our screens and equipment allows for low operating and maintenance costs, while providing maximum performance, functionality and particle-free water. We provide you with customized, professional and comprehensive support with our wide range of services.

The expertise and experience of our after sales support team is the cornerstone of our acclaimed service, which includes professional and on-site support and consultation in all matters essential to your operation.

- ▶ [IMAGE 12 MultiDisc Band Screens](#)
- ▶ [IMAGE 13 Passive Intake Screens](#)
- ▶ [IMAGE 14 Geiger® Claw Screen](#)

WATER TREATMENT

Bilfinger Water technologies has a comprehensive, cost-effective, tailor-made range of equipment for wastewater, sludge treatment and industrial applications. our treatment technologies include:

- Coarse screens
- shut-off Devices - Penstocks and sluice gates
- Inlet Works/Headworks equipment - Fine screening technology, screenings and grit treatment and spiral conveying systems
- Fine bubble aeration and surface aerator Mammutrotor®
- Sludge thickening and dewatering - belt thickener, belt and chamber filter press
- Fine and micro-sieving/screening as well as Triton® underdrains

In addition, we provide full-service for our installations worldwide - consultancy, engineering, repair, maintenance, spare parts, training, assembly and commissioning.

No matter the size of your application, we have a solution to meet your water requirements and treatment needs.

- ▶ [IMAGE 15 Installation of Triton® Underdrain System](#)
- ▶ [IMAGE 16 Bar Screen](#)
- ▶ [IMAGE 17 Wastewater Treatment Plant](#)



WATER WELL

Groundwater is a priceless resource lying beneath the earth™s land surface. Johnson screen® has been the heart of water wells for over 100 years. our continuous-slot profile wire technology, revolutionized well screening and has become the industry standard around the world.

Johnson screens® is recognized as the premier brand in stainless steel and PVC Vee-Wire® screens, environmental monitoring screens, casings, drop pipes, well treatment chemicals, fittings and a variety of accessories that are essential to building and maintaining an efficient water well.

Having published the Ground Water and Wells book series, Johnson screen® is acknowledged as technical expert in the water well industry for anyone that designs, drills or maintains a water well.

Bilfinger Water technologies™ products are vital for:

- Stopping sand production
- Avoiding pump damage
- Improving well and pumping efficiency
- Maximizing water flow rate into the well
- Reducing well maintenance
- increased well life

At Bilfinger Water technologies, we do more than make the world™s best water well screens; we provide you with the necessary design analysis and technical support to deliver an efficient and productive water well.

- ▶ [IMAGE 18 Johnson Well Screens](#)
- ▶ [IMAGE 19 Installation of Johnson PVC Well Screens](#)

SALES AND MANUFACTURING LOCATIONS

AUSTRALIA - ASIA PACIFIC

- ▶ Brisbane, Australia
- ▶ Beijing, China
- ▶ Hangzhou, China
- ▶ Ahmedabad, India
- ▶ Susono City, Japan
- ▶ Yokohama, Japan

EUROPE - AFRICA

- ▶ Châtelleraut, France
- ▶ Aarbergen, Germany
- ▶ Ahnsen, Germany
- ▶ Hanau, Germany
- ▶ Karlsruhe, Germany
- ▶ Rimplar, Germany
- ▶ Carpi, Italy
- ▶ Lugo, Italy
- ▶ Moscow, Russia
- ▶ Johannesburg, South Africa

NORTH & SOUTH AMERICA

- ▶ Buenos Aires, Argentina
- ▶ São Paulo, Brazil
- ▶ Santiago, Chile
- ▶ Bakersfield, CA, USA
- ▶ Forked River, NJ, USA
- ▶ Houston, TX, USA
- ▶ New Brighton, MN, USA
- ▶ Rochester, IN, USA
- ▶ Tampa, FL, USA

Bilfinger Water Technologies

Europe

Phone + 49 6120 28-0

Fax +49 6120 28 2182

europa.water@bilfinger.com

North & South America

Phone +1 651 636 3900

Fax +1 651 638 3171

usa.water@bilfinger.com

Australia - Asia Pacific

Phone +61 7 3867 5555

Fax +61 7 3265 2768

asiapacific.water@bilfinger.com

Africa

Phone + 27 11 864 2773

Fax +27 11 864 6069

africa.water@bilfinger.com

www.water.bilfinger.com

Sales Agent's Stamp

Finman & Associates
3350 N. Oracle Rd.
Tucson, AZ 85705
Ph: (520) 447-9480
finman@finmanassociates.com

