

KSB Industrial Water Treatment: A Comprehensive Range of Products for Filtration and Solids Handling





At KSB, reliability is our hallmark, evident in both our pumps and people. Pursuing excellence is at the core of everything we do.



KSB is a customer-first solutions provider committed to delivering the highest quality standards.



Our pumps ensure seamless system integration, providing long-lasting performance, peak efficiency, and minimal wear.



Benefit from KSB SupremeServ, our extensive service network, with round-the-clock support and global engineering expertise.



About KSB

KSB is a leading international manufacturer of pumps and valves for the water and wastewater, general industry, and power generation markets. Founded in 1871 in Frankenthal, Germany, KSB has more than 16,000 employees worldwide and generates annual consolidated sales revenue exceeding \$2.8 billion.

KSB has been successfully manufacturing pumps and valves for more than 150 years. The expertise acquired over this time is applied in every aspect of our work and is evident in the build quality and attention to detail given to our products and their operation. The reliability of our manufacturing, equipment, expertise, and service is paramount to our worldwide reputation, the customers we serve, and everyone who benefits from all that we do.

From a Supplier to a Partner: KSB Solutions for Industrial Water Treatment



Whether you need soft, desalinated cooling water, treated feed water for steam systems, or 100% pure product water, KSB provides the ideal pumps and valves for any industrial water treatment process.

Our products, made from highly resistant materials and equipped with reliable seals, withstand extreme temperatures and aggressive fluids.

With KSB's modular and extensive product portfolio, you'll always find a solution tailored to your specific needs, ensuring optimal performance in every situation.

KSB has many years of experience and expertise in the field of industrial water treatment. We offer customers comprehensive service solutions and expert advice, in addition to our technically advanced products.

Clean & Good: Common Industrial Water Treatment Methods

Water can essentially be purified in three ways. These processes are also employed in various different combinations, depending on the nature of the raw water and the subsequent intended use. KSB pumps excel at supporting each of the following.



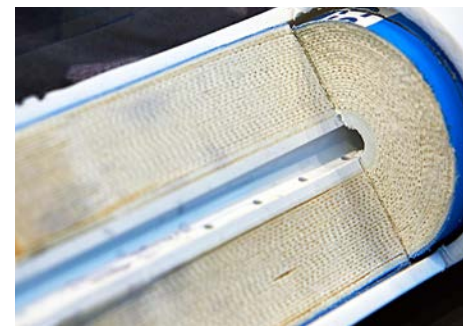
Mechanical Treatment

Examples: grates, screens and filters. Membrane filtration techniques such as micro, ultra, and nano filtration.



Physical Treatment

Examples: using aeration, atomization, sedimentation, flotation, vacuum processes, and thermal effects.



Chemical Treatment

Examples: oxidation, disinfection, flocculation, ion exchange, activated carbon adsorption, osmosis, and reverse osmosis.

Industrial Water

Water plays a critical role in industry, and proper treatment ensures both efficiency and regulatory compliance across operations.

Most used water needs treatment before reuse or disposal, and raw water entering a plant must meet stringent quality standards for use in industrial processes. KSB's solutions help you accomplish these goals with ease.

Processes & Applications:

- Multimedia Filtration
- Membrane Filtration (MF, UF, NF)
- Reverse Osmosis
- Ion Exchange
- Ultrapure Water (UPW)
- Electrodeionization (EDI)



KSB Pumps for Industrial Water

Movitec

Max. Flow: 845 GPM

Max. Head: 1,316 Ft.

Materials: Cast Iron, 304SS, 316SS, 316LSS



Multitec

Max. Flow: 6,600 GPM

Max. Head: 3,280 Ft.

Materials: Duplex SS, Super Duplex SS, Cast Iron, Cast Steel, 316SS



Etanorm

Max. Flow: 6,019 GPM

Max. Head: 524 Ft.

Materials: Cast Iron, Nodular Cast Iron, 316SS, Bronze



Etachrom

Max. Flow: 1,100 GPM

Max. Head: 344 Ft.

Materials: 316TiSS



Ansichem

Max. Flow: 7,000 GPM

Max. Head: 750 Ft.

Materials: 316 SS, Carbon Steel, Alloy 20, CD4MCu



MegaCPK

Max. Flow: 11,888 GPM

Max. Head: 764 Ft.

Materials: Cast Iron, Cast Steel, 316SS, Duplex SS, Super Duplex SS



Industrial Wastewater

This treatment removes contaminants from water affected by industrial or commercial operations, using physical, biological, and physico-chemical methods. KSB's products and specialized expertise can help customers achieve optimal performance in handling these complex treatment processes.

Processes & Applications:

- Flocculation
- Coagulation
- Sedimentation
- Dissolved Air Flotation (DAF)
- Equalization
- Return of Activated Sludge (RAS)
- Aerobic Digestion
- Anaerobic Digestion
- Sludge Handling and Transfer
- Dewatering



KSB Pumps for Industrial Wastewater

KRT

Max. Flow: 45,000 GPM

Max. Head: 330 Ft.

Materials: Grey Cast Iron, Nodular Cast Iron, White Cast Iron, Duplex SS



Impeller Types: Vortex, Cutter, Closed Single- & Multi-Channel, Open Diagonal Single-Vane, Open Radial Multi-Vane

KWP

Max. Flow: 66,000 GPM

Max. Head: 328 Ft.

Materials: Duplex SS, Super Duplex SS, Grey Cast Iron, Nodular Cast Iron, White Cast Iron



Impeller Types: Vortex, Open Multi-Vane, Closed Multi-Channel

Sewatec

Max. Flow: 44,000 GPM

Max. Head: 377 Ft.

Materials: Grey Cast Iron, White Cast Iron, Duplex SS



Impeller Types: Vortex, Open Diagonal Single-Vane, Open Radial Multi-Vane, Closed Single- & Multi-Channel

Estigia

Max. Flow: 6,380 GPM

Max. Head: 360 Ft.

Materials: Grey Cast Iron, 316SS, Duplex SS



Etaprime

Max. Flow: 792 GPM

Max. Head: 344 Ft.

Materials: Cast Iron, 316 SS



MegaCPK

Max. Flow: 11,888 GPM

Max. Head: 764 Ft.

Materials: Cast Iron, Cast Steel, 316SS, Duplex SS, Super Duplex SS



Separation

Industrial separation is a technique used to isolate a product from impurities or other substances. It involves creating two distinct phases using various agents such as energy, mass, barriers, or external fields.

KSB's advanced technologies and capabilities ensure ideal separation processes, maintaining product quality and boosting operational efficiency.

Processes & Applications:

- Evaporation
- Crystallization
- Thermal Desalination (MSF, MED)
- Zero Liquid Discharge (ZLD)



KSB Pumps for Separation

Etanorm

Max. Flow: 6,019 GPM

Max. Head: 524 Ft.

Materials: Cast Iron, Nodular Cast Iron, 316SS, Bronze



MegaCPK

Max. Flow: 11,888 GPM

Max. Head: 764 Ft.

Materials: Cast Iron, Cast Steel, 316SS, Duplex SS, Super Duplex SS



RDLO

Max. Flow: 79,260 GPM

Max. Head: 984 Ft.

Materials: Grey Cast Iron, Duplex SS, Nodular Cast Iron



KWP

Max. Flow: 66,000 GPM

Max. Head: 328 Ft.

Materials: Duplex SS, Super Duplex SS, Grey Cast Iron, Nodular Cast Iron, White Cast Iron



Impeller Types: Vortex, Open Multi-Vane, Closed Multi-Channel

Ansichem

Max. Flow: 7,000 GPM

Max. Head: 750 Ft.

Materials: 316 SS, Carbon Steel, Alloy 20, CD4MCu



B Pump

Max. Flow: 11,448 GPM

Max. Head: 525 Ft.

Materials: Cast Iron, Bronze, 316 SS, Duplex SS, Super Duplex SS





KSB SupremeServ is your service partner for the entire product life cycle.

Consultancy & Analysis

- Technical Consultancy
- Energy Efficiency Analysis
- Identification of Energy Saving Potential
- Pump Operation Check
- KSB SupremeServ Efficiency Consulting (SEC)

Operation

- Inspection Service
- Spare Parts Inventory Management
- Maintenance Inspection
- TPM® Total Pump Management

* Houston office coming soon



Commissioning & Start-Up

- Technical Consultancy
- Energy Efficiency Analysis
- Identification of Energy Saving Potential
- Pump Operation Check
- KSB SupremeServ Efficiency Consulting (SEC)
- Well Pump Measurement
- Installation
- Alignment
- Instruction of Operating Staff

Repair

- Maintenance of Pumps, Valves, Automation, Motors, Mechanical Seals, and Rotating Equipment
- ReEngineering
- 3D Printing
- Retrofitting
- Spare Parts Kit
- Mechanical Seals

With 12 service centers covering North America, we are available whenever and wherever you need us.



For more information,
visit our website.



Scan the QR code using
your mobile phone
camera app or any QR
code scanning app.

 **KSB**
General Industry

 **PUFFER** Rotating Equipment
Pumps & Parts ▪ Pump Skids ▪ Repairs & Services

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Authorized Sales Partner