



PUMPS | ACCESSORIES

Solutions for Industrial Water Treatment Applications





At KSB, reliability is a cornerstone of who we are, reflected in both our products and our people. Pursuing excellence is at the core of everything we do.



KSB delivers customer-first solutions built on the highest engineering and manufacturing standards.



Our products ensure seamless system integration, delivering long-lasting performance, optimal efficiency, and minimal wear.



Customers benefit from our extensive sales and service network, backed by 24/7 support and worldwide 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 \$3.2 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.



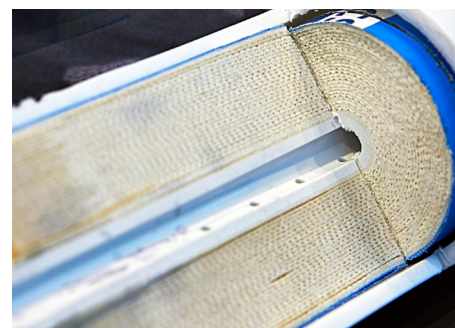
Mechanical Treatment

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



Etanorm

Max. Flow: 10,219 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



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



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

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



AU

Max. Flow: 2,640 GPM

Max. Head: 170 Ft.

Materials: Grey Cast Iron, Stainless Steel

Sizes: Flange, 1.5 to 8"



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)



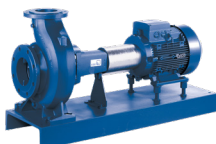
KSB Pumps for Separation

Etanorm

Max. Flow: 10,219 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: Grey Cast Iron, Nodular Cast Iron, White Cast Iron, Duplex SS, Super Duplex SS

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



B Pump

Max. Flow: 11,448 GPM

Max. Head: 525 Ft.

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



PumpDrive VFD

Helping you achieve optimal efficiency

KSB offers specialized variable frequency drives (VFD) under the PumpDrive line, designed for demand-driven, energy-efficient control of asynchronous and synchronous reluctance motors in pumping systems.

These self-cooling inverters offer continuous speed control, reducing energy consumption and enabling precise pressure or flow management in industrial applications.



KSB Leakage Sensor

Increased operating reliability

The KSB Leakage Sensor is an intelligent monitoring system for measuring and displaying mechanical seal leakage on site. It comprises a leakage measuring instrument and a display unit.

Using an integrated analog interface, the sensor transmits recorded data to existing process control systems, enabling centralized monitoring and management.

KSB Guard

Smart monitoring for your pumps

KSB Guard provides continuous monitoring of vibration and temperature, early indicators of developing pump or system issues. Data is reviewed by experts at the KSB Monitoring Center, enabling rapid detection of abnormalities and early identification of root causes.

Whether the concern involves bearings, alignment, or other hydraulic components, KSB specialists deliver timely recommendations and a clear action plan. By catching problems early, KSB Guard helps prevent costly failures and keeps your system running reliably.





KSB – Your Partner for Industrial Water Treatment Applications



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

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 **KSB**
Authorized Sales Partner