

## In action almost everywhere

### Drinking water supply systems

- Pressure reduction between elevated and low level tank
- Pressure control in closed-loop systems
- Reduction of pressure head

### Residual water utilisation in

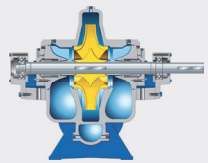
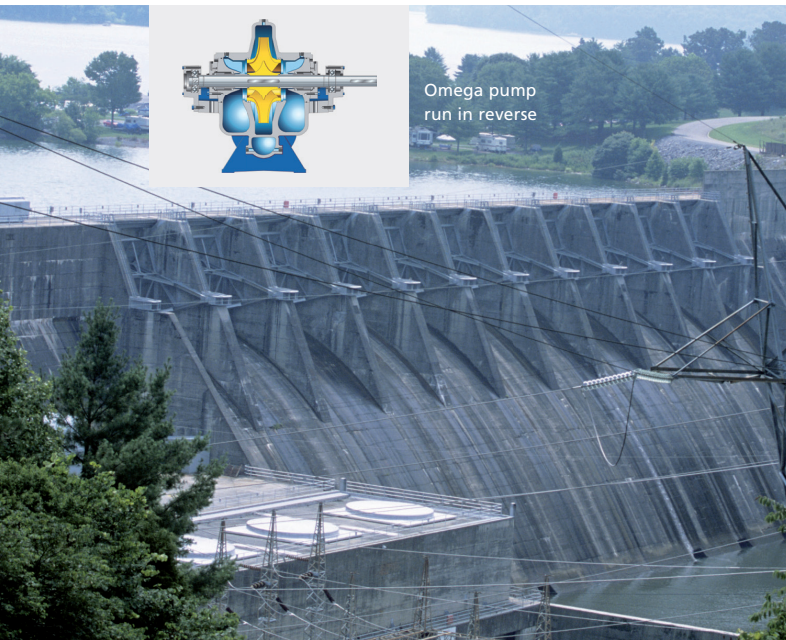
- Small hydropower stations
- Pumped storage plants
- Barrages

### Retrofitting of small hydropower systems

- If customised Kaplan turbines are too expensive
- For heads starting from 10 metres

### Industrial applications

- Pressure control in cooling circuits
- Reduction of process water pressure



Omega pump  
run in reverse



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## Turn the Tide on Energy Needs

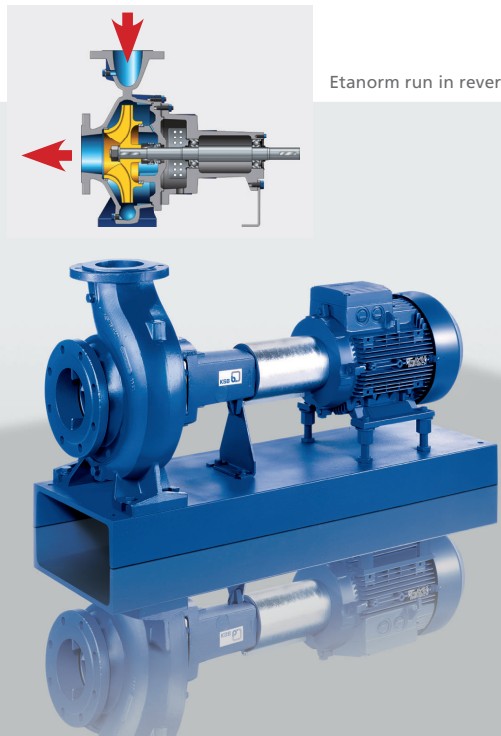


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## A pump becomes a turbine

Energy producers the world over rely on KSB. But our pumps can do more than just assist the generating process. If the flow of water is reversed, the impeller starts turning in the other direction, and the pump operates in turbine mode. That keeps down costs, and makes energy generation and recovery straightforward. Pumps used as turbines (PaTs) provide a solution wherever more energy is required. And prove again that KSB means a wide choice of applications, as well as products.



## Expertise across the range

KSB can draw on extensive know-how and many years of experience in designing pumps to be used as turbines\*. So put our expertise to work for you, and experience the quality of our products.

For heads of 10 m and above:

- Omega (volute casing pump)
- Etanorm (volute casing pump)
- Multitec (ring-section pump)
- RDL family (volute casing pump)

For heads below 10 m and high flow rates:

- Axial flow pumps

(\* Reference list and PaT performance curves on request)

## Efficient solutions help you win

Top-quality products, all-in solutions and first-class service: KSB excellence spells success for you – for example with pumps used as turbines.

- Fast amortization of your investment
- Reduced life cycle costs
- Pumps as turbines supplied as all-in packages
- Products and services from a single source (consulting, planning, product design and selection, order processing, commissioning, service, after-sales support)
- Large choice of products and materials
- Wide range of other components (e.g. valves)

