BEVERON Concrete Volute Casing Pump –
The Ultimate in Reliability.
Huge hydraulic systems in concrete casing

At KSB, we are always looking to offer you solutions which set the standard in economic efficiency and long-term operating reliability for continuous use.

We have served as a reliable and professional partner for our customers for more than 130 years. Our products are used in international irrigation and drainage projects, as well as flood control and coastal protection schemes all over the world. Also of importance are the products we supply to equip low-lift pumping stations and removal stations at fish and shrimp farms.

The BEVERON concrete volume casing pump is the result of close cooperation with our partner, Bosman Water Management B.V.

All BEVERON components are designed to match precisely. An excellent example of this are the BEVERON volute casing and the KSB hydraulic systems, which have a proven track record of use in cooling water pumps in power stations. As the pumps will be constantly exposed to heavy loads, they have been equipped with wear-resistant Residur® ceramic bearings, which are directly lubricated by the fluid pumped. Thanks to this type of lubrication, BEVERON pumps do not pose any risk of water pollution by petrochemical lubricants. The use of this well-proven bearing type ensures reliable operation and increases pump availability in the long term.

A major benefit of BEVERON is its compact design. The pump station blends well into its environment, making for a small footprint.

Applications:
- Coastal protection and flood control
- Irrigation
- Drainage
- Low-lift pumping station
- Water removal at shrimp and fish farms
- Dry docks
Lijnden low-lift pumping station, The Netherlands

Customer
Waterschap Groot Haarlemmermeer

Scope of supply
1 SEZ model pump
2 SEZ impellers (diameter: 1,450 mm)
2 Residur® ceramic bearings, 6 wear rings

Technical data
2 BEVERON 145
Q = 31,500 m³/h, H = 6.10 m

St. Germans pumping station, United Kingdom

Customer
Middle Level Commissioners

Scope of supply
6 SEZ impellers with:
- Geared transmissions
- Electric motors

Technical data
6 BEVERON 210
Q = 60,000 m³/h, H = 4.25 m
Long service life
- Pump unit has been matched to various system requirements and adapted accordingly during model testing
- Minimal wear thanks to low design speed and smooth, low-noise operation
- Use of long-life Residur® ceramic bearings

High efficiency
- Use of smaller motors
- Optimum match: KSB impeller and Bosman volute casing
- Broad performance range

Minimised maintenance costs
- Corrosion- and cavitation-resistant pump casings
- Use of maintenance-free Residur® ceramic bearings
- Straightforward removal of the hydraulic system
- Shaft seal and impeller are readily accessible

Reduced costs for pump station building
- Compact design
- Low installation height
- Minimal foundation depth and volume thanks to specially developed concrete casing.
- Concrete casing produced on-site
**BEVERON concrete volute casing pumps**

### Materials
- **Stator:** Steel/Stainless steel/Duplex steel
- **Shaft:** Steel/Duplex steel
- **Hydraulic system:** Aluminium bronze/Stainless steel/Duplex steel
- **Pump casing:** Concrete

### Technical data (max.)
- **Flow rate:** 30 m³/s
- **Head:** 27 m
- **Fluid temperature:** 40 °C
For more information please contact:

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