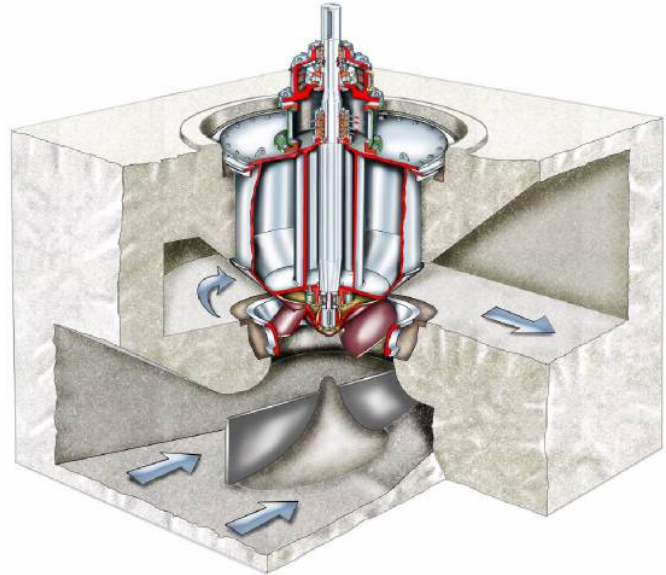


Concrete Volute Pumps

Overview:

KSB has spent its long history (since 1871) providing technical innovations in the pump industry. Now, in conjunction with Bosman Watermanagement, KSB has developed the **Beveron**: a new type of concrete volute pump with impressive performance and a low noise level. The latest computerized fluid simulation (CFS), and fluid dynamics modeling (CFD) programs were used, as well as actual model testing, to ensure that all the components of the Beveron pump were perfectly matched and designed. Thus, flow losses were reduced to an absolute minimum resulting in achieving the highest level of hydraulic efficiency. The required submersion depth has also been minimized, due to the specially developed suction box design. The Beveron is suitable as much for new construction as for renovation of pumping stations, and is available in a standard series of 29 modules, covering a range of up to 500,000 gpm and heads to 35ft.



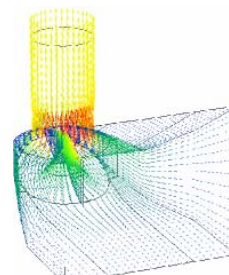
Applications include: drainage, flood control, irrigation, dry-docks, water supply, intake for desalination and raw water intake for conventional power plants.

Features: Unmatched Reliability, Performance and Design that is virtually maintenance free.

- **Low Profile Pumping Station** - improved aesthetics
- **Low Noise**
- **Residur Bearing** - eliminates grease, oil, or external water flush (will not pollute the environment).
- **Compact Design** - easier to transport and work on
- **Flooded Suction** - eliminates the need for vacuum prime systems
- **Special Materials** - eliminates corrosion from sea water / brackish water and the need for zinc anodes or cathodic protection
- **Concrete Volute** - a natural choice for the pump body. Low maintenance, high reliability, vibration free, strength and rigidity, eliminates corrosion and erosion.
- **Proven Design** - first pump installed over 90 years ago!



Concrete Forms



Suction Box Model



Pump Installation

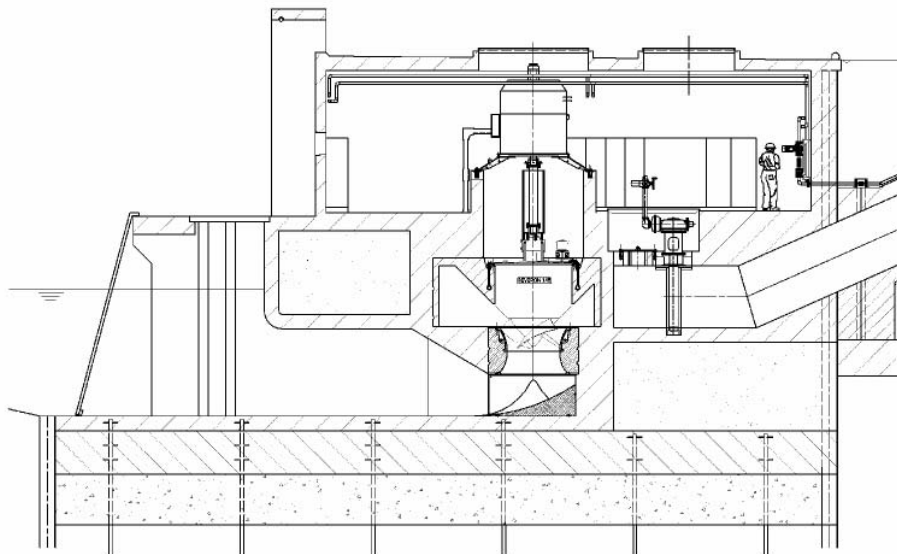


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*Lijnden Pumping Station -Holland
– New Low profile design*



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