

SEZ, SEZT, PHZ, PNZ – Vertical Tubular Casing Pumps



Applications:

- Provision of seawater for desalination systems
- Cooling water systems in power stations and industrial plants
- Water extraction for flue gas desulphurisation
- Water extraction and drainage in low-list pumping stations

Further informations: www.ksb.com/products

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High-quality materials ensure high level of availability

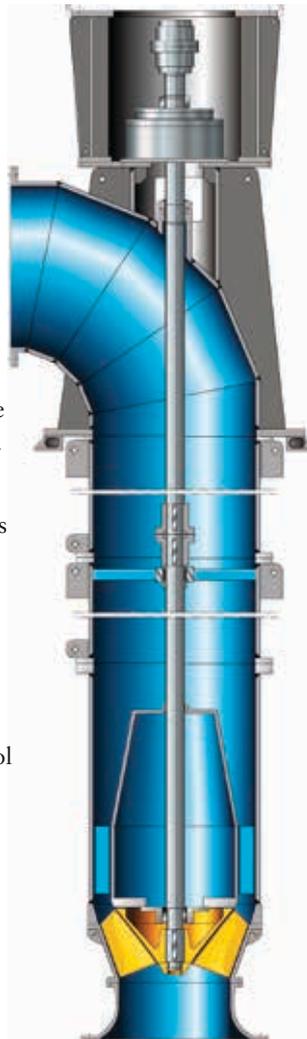
Every pump comes with KSB's specially developed RESIDUR® bearings: wear-resistant, maintenance-free and medium-lubricated.

Efficient water supply thanks to individual pump selection

Selection of tailor-made pumps from a modular design system covering a wide range of hydraulic systems, materials and installation types. High efficiencies and excellent NPSH characteristics help reduce the system's life cycle costs.

Economically efficient adjustment ...

... to match changes in system conditions (flow rate/head) by means of pre-swirl control equipment or variable speed drives (SEZ) or by adjusting the axial propeller both during operation and during standstill (PNZ/PHZ).



SEZ

One-stop shopping with KSB's engineering package:

- High-quality pump technology
- In-house test stand for performance tests
- After-sales and service
- Model testing of intake structures
- Expert consultancy for system planning and project management

Optimised pump design reduces maintenance costs

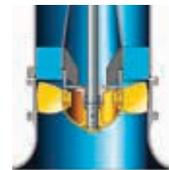
KSB tubular casing pumps are available in two design variants. Pumps in pull-out design allow straightforward removal and maintenance of all parts subject to wear and tear.



SEZT



PHZ



PNZ

Fluid pumped	Fresh water ≤ 28 °C	Seawater ≤ 35 °C	Seawater 35 °C - 40 °C
Standard material	Casing grey cast iron / steel Impeller CrNi steel Shaft carbon steel	Casing duplex steel Impeller duplex steel Shaft duplex steel	Casing super duplex steel Impeller super duplex steel Shaft super duplex steel

Technical data	SEZ / SEZT	PHZ	PNZ	
max. flow rate*	22	18	18	m ³ /s
max. head*	60 / 120	25	15	m
max. fluid temperature	40	40	40	°C
max. speed	980	980	980	min ⁻¹

*Higher flow rates and pump heads on request



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