



People at KSB –  
We make your world flow round!

KSB can look back on more than 130 years' tradition in production of pumps, valves and related systems. As a result, our pumps benefit from the wealth of know-how KSB engineers have gathered in research, development and production.

For example, the PNW/SNW benefits from various cleverly engineered and well-proven design details including the maintenance-free and wear-resistant bearing made of our newly developed RESIDUR® material, the Ever-Clean-Blade protected hydraulic system (on PNW) which prevents clogging of the propeller blades, and the fully encapsulated sleeve coupling that increases corrosion resistance. Such additional quality features prove their worth particularly under high permanent load conditions, e.g. in water supply or cooling water transport in power stations and industrial applications.

At KSB, reliability and economic efficiency are standard features, because our customers expect nothing less.

For further information please refer to: [www.ksb.com/productcatalogue](http://www.ksb.com/productcatalogue)

## Vertical tubular casing pumps

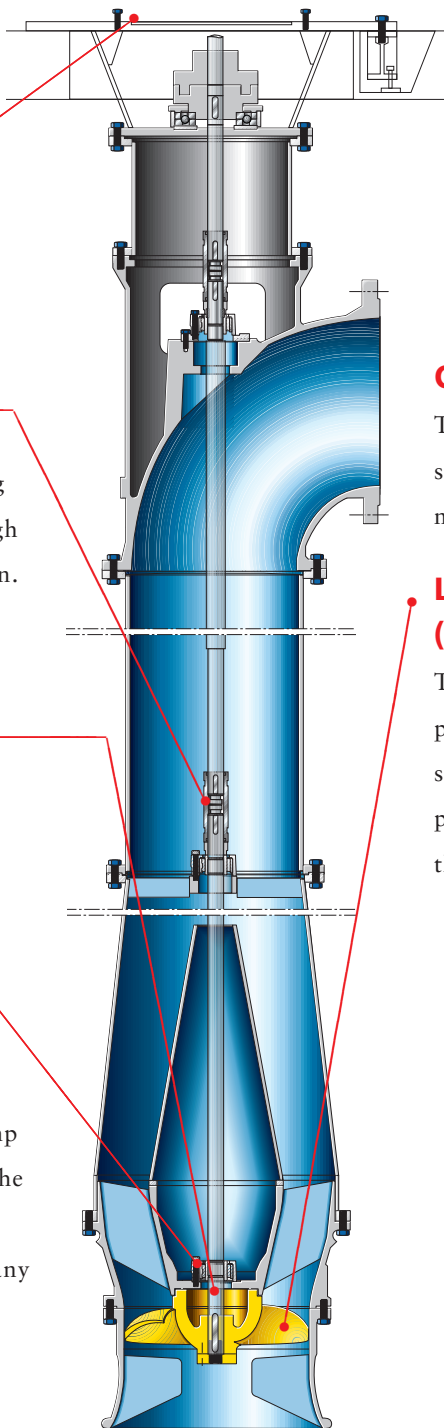
# PNW, SNW: STANDARDS OTHERS ONLY HOPE TO FOLLOW



PNW

# PNW, SNW

## Vertical tubular casing pumps



### Easy installation

The locating surface in the motor stool simplifies motor mounting and removes the requirement for alignment.

### Reliable and hard-wearing

The sleeve coupling is bi-rotational. Being fully encapsulated, the coupling offers high corrosion resistance and reliable operation.

### Low maintenance costs

Short shaft overhang makes for minimum shaft deflection and minimum bearing loads.

### High operating reliability at low operating costs

The maintenance-free and wear-resistant RESIDUR® bearing operates without external cooling and lubrication facilities thus eliminating cost of periphery equipment. Temporary dry-running during pump start-up is permitted, without damaging the pump. The pump's chemical and physical resistance makes it suitable for virtually any fluid (incl. solids-laden fluids).

### Constant efficiencies

Thanks to its corrosion and abrasion resistant materials the pump maintains its optimum efficiency.

### Low maintenance (PNW only)

The special "Ever-Clean-Blade" protection of the hydraulic system prevents clogging of the propeller blades from fibres in the fluid.

PNW

SNW

#### Fields of application:

- Irrigation and drainage
- Storm water handling in storm water pumping stations
- Raw and clean water transport in waterworks
- Cooling water handling in power stations and industrial plants
- Industrial water supply
- Docks, locks and sluices

Materials*:	PNW	SNW
Bellmouth:	Cast iron	Cast iron
Diffuser element:	Cast iron	Cast iron
Discharge elbow:	Cast iron	Cast iron
Riser:	Steel	Steel
Motor stool:	Steel	Steel
Shaft:	Steel/Stainless steel	Steel/Stainless steel
Impeller:	–	Bronze/Stainless steel
Propeller:	Al bronze	–

\* Other materials upon request

Technical data:	PNW	SNW	
Max. capacity:	2.5	2.4	m <sup>3</sup> /s
	39,600	38,000	U.S. gpm
Max. discharge head:	10	50	m
	33	164	ft
Max. fluid temperature:	60	60	°C
	140	140	°F
Max. speed:	1,450	1,450	min <sup>-1</sup>

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