

PNW / SNW

Tubular Casing Pump



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|-------------------------------|--|-----------------------------|
| • General irrigation systems | • Raw and clean water transport in water works | • Industrial water supply |
| • Drainage systems | • Cooling water pumps in power stations and industry | • Pumps for docks and locks |
| • Stormwater pumping stations | | |
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PNW / SNW – Tubular Casing Pump

Operating data

Characteristic		Value	
		PNW	SNW
Flow rate	[m³/h]	≤ 9000	≤ 6500
	[US.gpm]	≤ 39600	≤ 38000
Head	H [m]	≤ 10	≤ 60
	H [ft]	≤ 33	≤ 197
Max. fluid temperature	T [°C]	≤ +60	≤ +60
	T [°F]	≤ +140	≤ +140
Speed	n [rpm]	≤ 1500	≤ 1500

Benefits

■ Easy to install

- The drive lantern with recess simplifies motor mounting and removes the need for alignment.

■ Reliable and durable

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

■ Low maintenance costs

- The short shaft overhang makes for minimum shaft deflection and low bearing loads.

■ High operating reliability and low operating costs

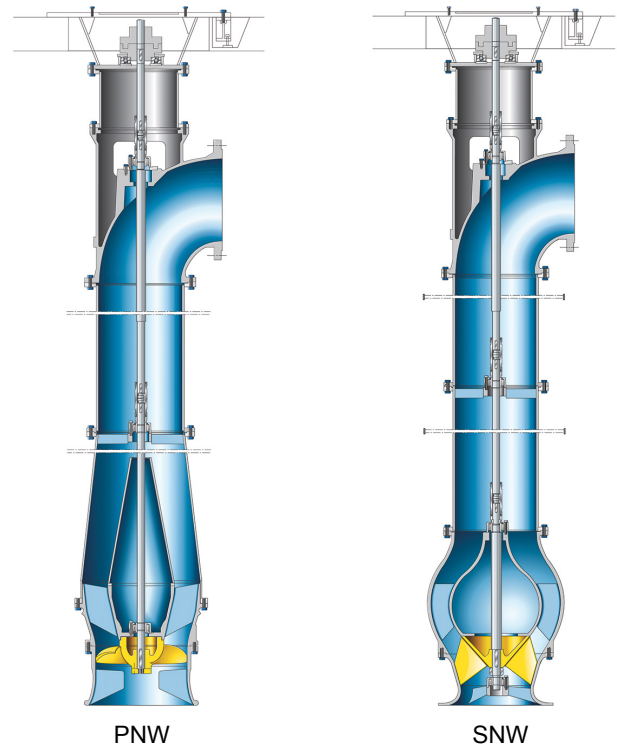
- The maintenance-free and wear-resistant RESIDUR® bearing operates without external cooling or lubricating systems, thus eliminating the costs for auxiliary systems.
- Temporary dry-running during pump start-up will not damage the pump.
- The pump's chemical and physical resistance makes it suitable for virtually any fluid, including solids-laden fluids.

■ Consistent efficiencies

- Corrosion-resistant and wear-resistant materials help maintain optimum pump efficiency.

■ Low maintenance (PNW only)

- The special **ever-clean-blade design** of the hydraulic system prevents the propeller blades from being clogged by fibres in the fluid handled.



Materials

Component	Material ¹⁾	
	PNW	SNW
Bellmouth	Cast iron	Cast iron
Diffuser	Cast iron	Cast iron
Discharge elbow	Cast iron	Cast iron
Column pipe(s)	Steel	Steel
Drive lantern	Steel	Steel
Shaft	Steel/stainless steel	Steel/stainless steel
Impeller	-	Bronze/stainless steel
Propeller	Aluminium bronze	-

¹ Other materials on request