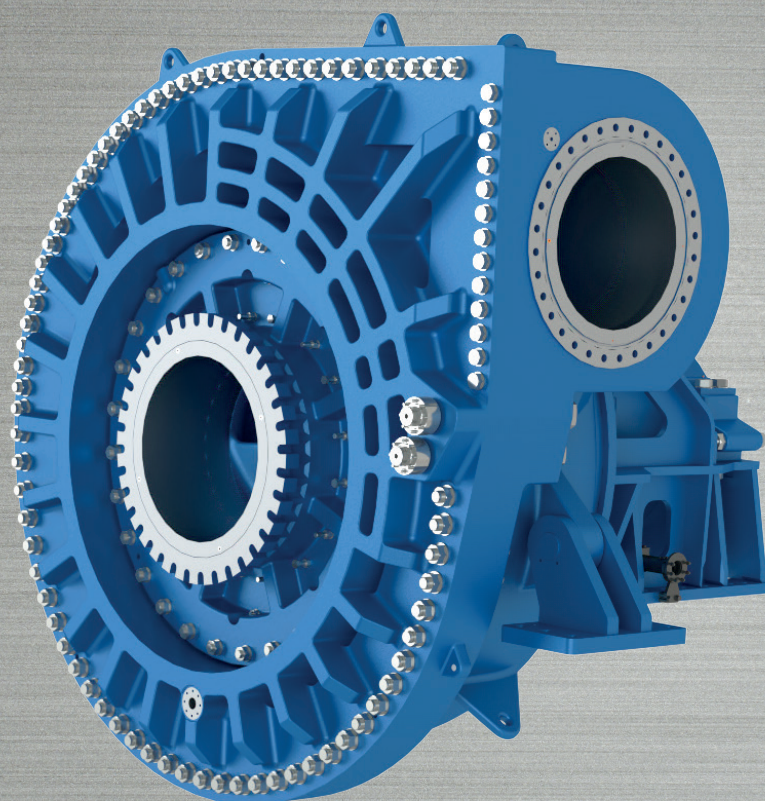


GIW[®] DWD - Double Wall Dredge Pump



Choose the GIW® DWD Pump for increased productivity

Design and Technology

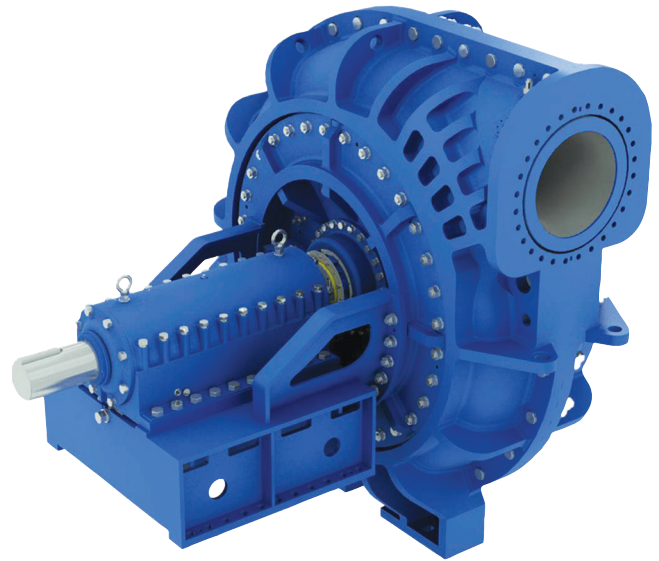
- **State of the art hydraulics:** High efficiency pumps that can pump a higher concentration of slurry consistently resulting in lower fuel costs and higher production rates.
- **Impeller design:** CFD optimized design for high efficiency, large free passage and reduced wear.
- **Robust mechanical ends:** Provide long lasting bearing life and trouble free operation.

Material Technology:

- **28G casings, suction and hub liners:** Proprietary material 28G provides superior abrasion resistance resulting in longer wear life.
- **29G Impeller:** Designed for excellent wear resistance in combination with a higher tensile strength and fracture toughness. 29G is the best material when pumping rocks.

Outer Casings

- Ductile iron / cast or fabricated steel outer casings held together by high tensile fasteners or optional Superbolts.
- The double wall design provides increased safety while allowing the operator to extract maximum wear life out of the pump casing.



Description

A high-efficiency, heavy duty, double-wall pump designed specifically for dredge applications requiring large solids passage and low NPSHR. The internal components (replaceable wear-resistant casing, side liners and curved-vane impeller) are made of high-chrome white iron. While the internal wear parts handle abrasive slurries, the outer casing acts as the high pressure containment component for safety. Designed primarily for use in ocean going vessels, the DWD dredge pump is a robust design, built to withstand the world's most aggressive dredge applications.

Hard Working, Long Wearing Pump

Long wear life, high efficiency and large free passage are the most important features in the design of GIW® dredge pumps.

GIW® pumps offer a unique combination of large sphere passages and higher efficiencies. This translates into lower fuel costs while dredging and hydro-transporting huge volumes of material, both fine and coarse. Proprietary materials, Gasite 28G and Gasite 29G, offer excellent abrasion resistance to extend wear life.

Technical Data

Discharge	560 to 1250 mm
Flow rates	up to 61,000 m ³ /h (268,575 gpm)
Total head*	max 105 m (345 ft)
Pressure rating	max 45 bar (653 psi)

*Use two in series for higher pressures

Applications

The DWD is designed for use as an inboard pump on Trailing Suction Hopper Dredges (TSHD) and Cutter Suction Dredges (CSD).



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GIW® Slurry Pumps