

# Raw Water - Sea Water Lift System

## Pre-loading Reel Systems

PATENTS PENDING



## Lower Your Operating Costs

Reel Power's Raw Water and Pre-Loading Reel systems have been provided to over 75 rigs/vessels all over the world. The Reel Power systems have been provided to some of the most demanding applications in the world including wind installation and lift boats where vessel moves are frequent and to the North Sea where currents, waves and wind speeds are high.

The systems provide a safe and effective solution for seawater supply on offshore jack-ups. The reel system saves thousands of pounds, lowers the center of gravity and reduces maintenance when compared to a Raw Water Tower system. For new rigs and vessels, the Reel Power systems can retrieve the pump more easily for periodic maintenance in the shortest possible time, ensuring the least rig down time and decreasing overall operating cost.

Complete systems include submersible pump selected to your vessel's requirements, reel, heavy duty hose, pump power cable, safety cable, and pump controls. Pump controls may be variable frequency or single speed soft start.

Flow Rates **3,600**GPM  
up to **3,600**(817 m3/hr)

## COMMON USES

- » Jack-up Drilling Rig
- » Wind Installation Vessels
- » Lift Boats
- » Raw Water Delivery
- » Pre-Load/Ballast



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# Advantages

**Easy Access to Pump** – Retrieve the pump for maintenance even when jacked up.

**Faster Rig Moves & Lower Operating Costs** – Deploys and retrieves pump by one individual in less than 15 minutes.

**Operates in Any Water Depth** –Our shallow water systems can operate in shallow water depths. Full flow capability even when leaving several wraps of hose on the reel.

**Easy Installation** – With a complete system the customer simply places the system on-board, welds reels to deck and hooks up utilities.

**Less Rig Downtime** – Redundant system when installing pair of reels.

**Lower Maintenance & Increased Reliability** – Hose is unaffected by barnacle and other debris build-up inherent in raw water tower piping.

**Save Weight** – Saves thousands of pounds when compared to raw water towers.

**Low Center of Gravity** – Lowers center of gravity greatly when compared to raw water towers.

**Engineered Hose** – Specially designed and tested hoses for raw water applications.

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## Features, Specs & Options:

- » Intrinsically safe, pneumatic drive and braking system.
- » Electric reel drive systems for applications where air capacity is limited.
- » Mechanical safety locking pin prevents inadvertent rotation of the reel.
- » Emergency (zero (0) air) down control and emergency air supply shut-off valve.
- » Safety line attaches to the reel and the pump to prevent losing the pump.
- » Rotary Union and Slip Ring (optional) allow raising and lowering pump without disconnecting piping or electric pump power.
- » Variable frequency flow and level feedback pump controls offers superior pump control, greater pump efficiency and reduced pump maintenance.
- » Single and double (parallel or tandem) reel platforms (optional) raise the reel off the deck for pump maintenance and provide additional storage space beneath the platform.
- » Chute (optional) may be provided to maintain pump/hose position in high winds, waves and currents.
- » ABS type approved.



VFD Pump & Reel Control

**Flow Rates:** up to 3,600 GPM (817 m3/hr)

**Sizes:** 4", 6", 8" & 10" hose diameters

**Hose Lengths:** up to 250 ft (76 m)

**Utilities Required (Reel):** Pneumatic (280 CFM, 80-120psi);  
Electric 10HP (480V/60Hz/3ph)  
other voltages available

ReelPowerME.com



Raw Water on Dual Platform

**WE SOLVE  
OFFSHORE PROBLEMS**

Our goal is to identify challenges, design innovative solutions and manufacture quality products that solve your offshore problems. Our business is saving you time and money.

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