

DYNAMIC HEAD TANKS

TWINKLE CO

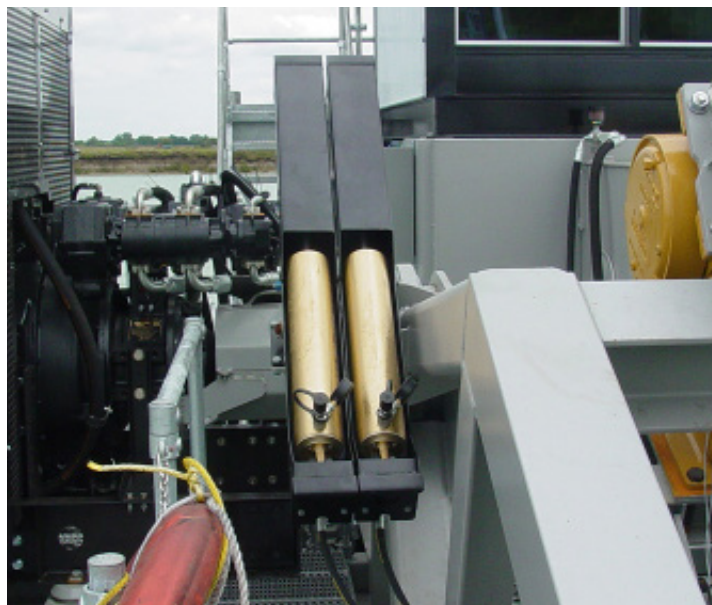


Dynamic Head Tanks – A simple way to maintain pressure in a sealed housing. Maintaining a positive internal/ambient pressure differential is critical for a sealed housing operating underwater, such as a ladder/pump bearing housing or a cutter drive gearbox. A positive differential is created when the internal housing pressure (head) is greater than the external water pressure. Failure to maintain a positive differential will allow water intrusion and lead to failure.

Most dredges use a Static Head Tank to develop the internal pressure. Static Tanks must be mounted at the proper height above water to develop the pressure. As ladder length increases the Static Tank must be raised to heights that are impractical on most dredges.

Twinkle Co Dynamic Head tanks create pressure with a moving compensator that changes the pressure as the ladder is raised and lowered. The compensator is sized to match the ladder length. Dynamic Head Tanks are mounted on the ladder for easy access and include a pump for convenient and spill-free filling.

Dynamic Head Tanks excel when paired with Twinkle Co's HEADHAWK. The HEADHAWK system monitors water and oil pressure in the sealed housing. Monitoring the pressure allows the operator to see problems before they become expensive failures.



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