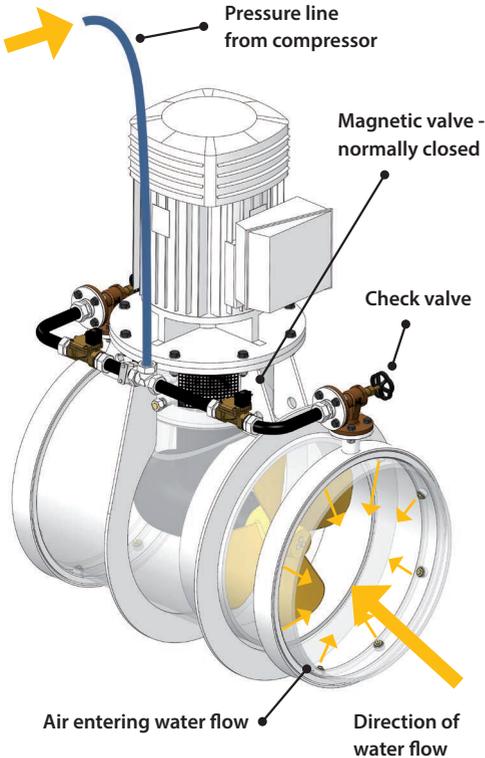


Active Noise Suppression for Tunnel Thrusters



A solution to keep the tunnel thruster noise levels to a minimum is by employing an Active Noise Suppression (ANS) by means of compressed air injection. Compressed air is injected into the thruster's tunnel in front of the propeller's direction of flow, thus minimizing the effects of cavitation.

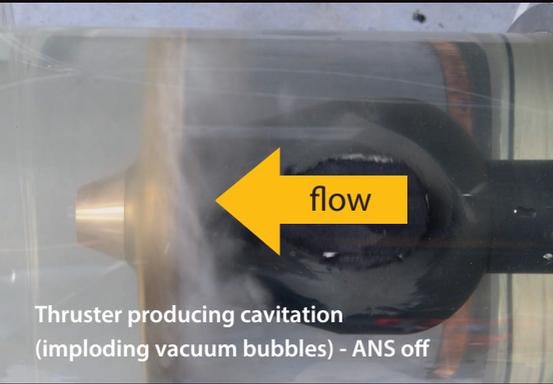
Active Noise Suppression using air injection is a cost effective way to decrease noise levels and cavitation damage in practically all new and existing tunnel thruster designs.

THE POWER 360°
TO TURN YOUR WORLD

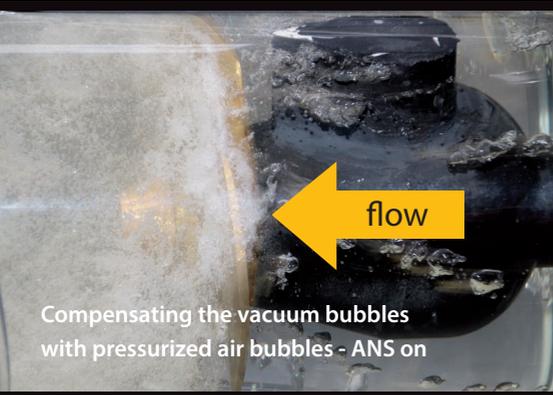
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VETH
PROPULSION

Active Noise Suppression for Tunnel Thrusters



By injecting air, the cavitation (vacuum) bubbles are compensated with pressurized bubbles, which carry them off before they are able to implode and cause noise and damage. The normal action of the propeller spreads the pressurized bubbles through the entire tunnel. The introduction of air has no effect on the thrust.



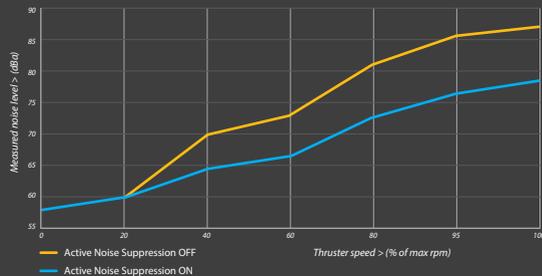
The actual reduction is dependent on the thruster model, speed of the propeller, vessel construction etc.

Active Noise Suppression is available for almost all sizes of Veth tunnel thrusters, both for new projects and for existing units already in operation.

Please contact us for more information and possibilities.

Measured noise level *(dB)

* The actual noise reduction is dependent on the thruster model, speed of the propeller, vessel construction etc.



Extensive testing has resulted in noise reductions up to 15 dB.

Quality - Service - Innovation - Sustainability