

**From:** Stuart Halewood  
**Subject:** [RVTEC] Air release and Degassing valves  
on underway seawater systems  
**Date:** Tue, 23 Mar 2010

Hi Everyone,

Just a quick question in relation to shipboard underway seawater systems. We have been putting together an Alongtrak system that consists of a series of optical instruments and more usual ones such as a TSG that can be installed on various Research vessels feeding off of the onboard underway systems.

I am going through the process of working out back pressures and removing any air bubbles. We have one great vortex de-bubbler in line already which is doing a good job but we are still seeing some bubbles further downstream being caused by maybe instruments or flow sensors I'm not sure yet.

The question I have for you all is what Air release valves or degassing valves any of you have installed on your underway systems? are they the manual purge type, safety limited pressure release type or has anyone used a valve that can continually de-gass or release trapped air continually?

We are using a mixture of pvc and hose at the moment but hope to move to a more permanent arrangement whilst still being able to install and breakdown from a variety of vessels.

As usual thanks in advance for any feedback on this,

cheers for now,

Stuart

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