

The flowcell shown here can be used both as a calibration cell and as a flow-through cell for deployment. We use 3/8" OD Cu-Ni tubing to resist biofouling on both the intake tube (2") and the exhaust tube (3"). The intake tube is threaded with a 1/8" NPT thread and plumbed at the end of the CTD/instrument flowpath. The exhaust tube is carefully placed around the duraFET sensor to limit any growth on the FET itself. Orienting the pH sensor as shown, keeps sediment off the sensors, and vented out the bottom through the 3/16" holes in the exhaust tube. When deployed as shown, we don't use an O-ring and allow the air vent to release any trapped air.

3/8" Cu-Ni
intake tube

3/8" Cu-Ni
exhaust tube

Swagelok
NY-600-1-OR

Mounting holes

O-ring groove

Air vent

DuraFET flow-thru cell
Jannasch, MBARI
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