

NexSens Deployment Pipe Assemblies Quick Start Guide

The NexSens deployment pipe assemblies are used to house and protect valuable environmental monitoring instruments while allowing adequate water flow for sampling. The three deployment pipe varieties, 912M, 914M, & 916M, are designed to mount to the NexSens CB-150, CB-450, and CB-650 and larger buoys, respectively.



Installation

- 1 Rotate the buoy onto its side and locate the 3 female threaded couplings designed for the 912M, 914M, or 916M depending on the buoy size.
 - a. The picture below represents a CB-450.

Use this insert for pipe installations utilizing 2-Point Mooring

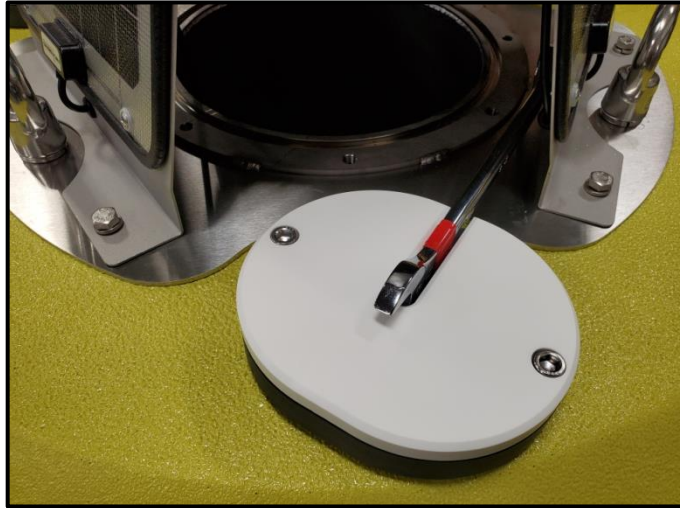


- 2 Align the threaded connector at the top of the deployment pipe with one of the 3 female threaded couplings.
 - a. For 2-Point mooring setups, use the insert opposite the eye-nuts (marked above) to avoid entanglement of the pipe with the mooring lines.



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- 3 Carefully rotate the deployment pipe clockwise to tighten. A strap wrench should be used to give the assembly one additional turn past hand-tight.
 - a. Take care to avoid cross-threading.
 - b. The white deployment cover on the top of the buoy may begin to rotate once the pipe threads tighten into the insert. Wedge this in place using a wrench to allow the pipe to be tightened fully.



- 4 Below are complete assemblies of the deployment pipes in their respective data buoys.
 - a. It is recommended to install a backup tether to hold the pipe to the buoy frame.



Figure 1: CB-150 with 912M



Figure 2: CB-450 with 914M



Figure 3: CB-650 with 916M