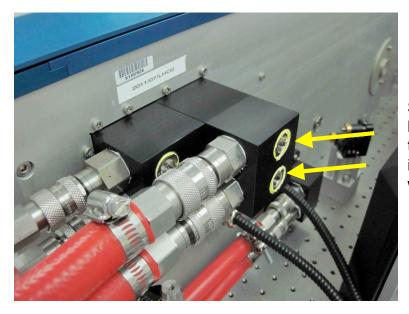


The quick connect on the left was ~100 times as noisy as the straight-through barrel connector on the right even though the flow (10 - 15 l/m) was probably greater for the lower resistance barrel connection. Data shown in the lower plot of Figure 1.



The quick connect clamped to the manifold for the top plot of Figure 1. Flow was 10 to 15 l/m.



Suggested experiment: the two quick connects will be disconnected and the two hoses connected to threaded barbed connectors that replace the indicated caps. The quick connects on the manifold will be left in place as caps.