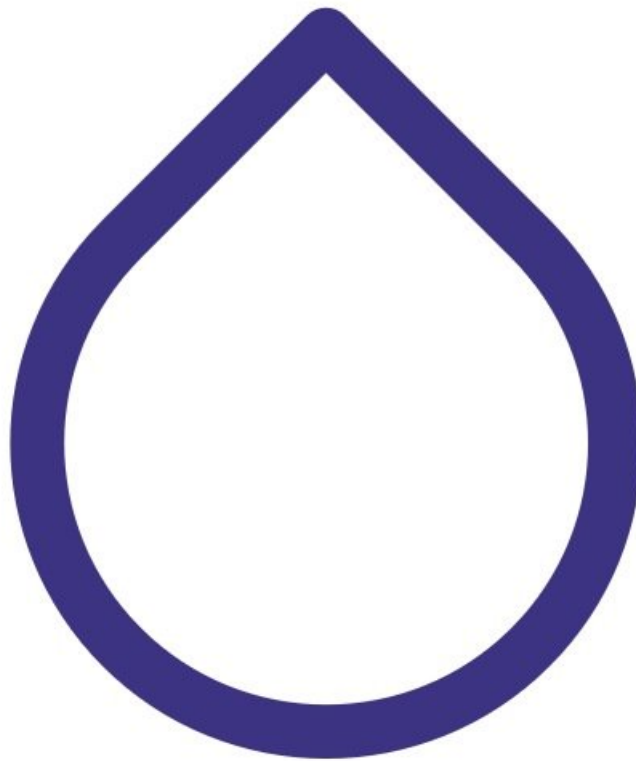




# Use humidifier with third-party calibrator

Written By: Tanya Taylor



## INTRODUCTION

Aeroqual's gas sensor calibration can be adversely affected by the very dry (dew point < -20 °C ) air generated by third-party calibrators.

If you're using a third-party calibrator with a dry zero air source or a cylinder of zero air, you'll need to humidify the calibration gases before they're delivered to your Aeroqual monitor. Aeroqual supplies a calibration humidifier as part of the AQM 65 service kit. It contains a nafion membrane from [Permapure](#), which allows the transport of water molecules across the membrane with high selectivity and no loss of calibration gases.

Note: If you're using an AirCal 8000 or an AirCal 1000, you don't need to use a calibration humidifier to calibrate Aeroqual gas modules. These calibrators are specially designed to optimally prepare the calibration gases for this monitor.



### PARTS:

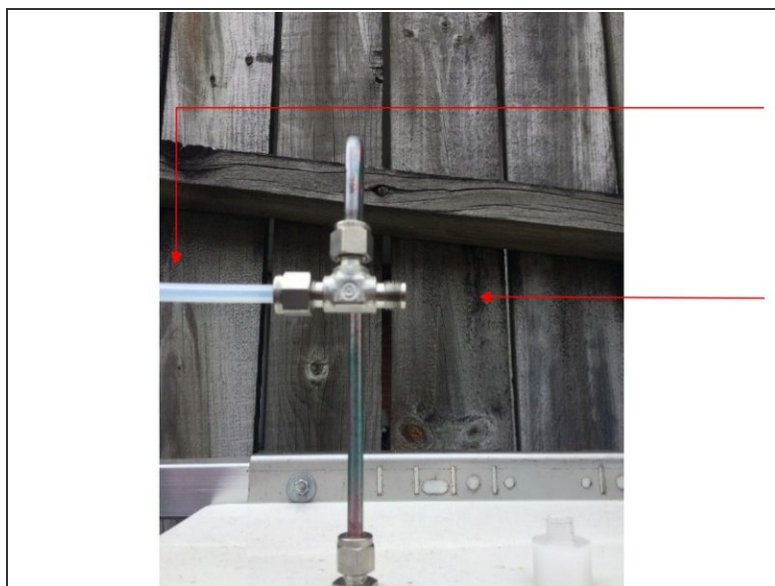
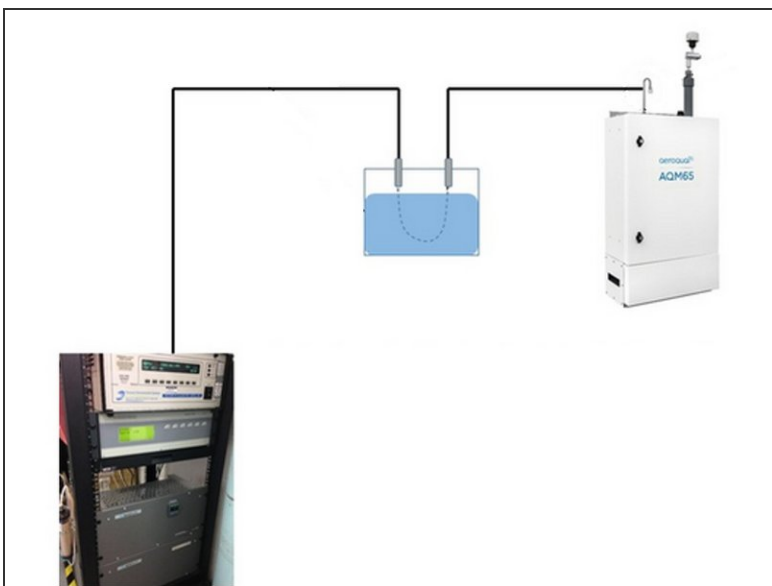
- [Calibration humidifier](#) (1)
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## Step 1 — Fill humidifier



- Fill the humidifier with water to the top of the label covering the black internal tubing.

## Step 2 — Position humidifier and set flow



- Place the humidifier between the outlet of the third-party calibrator and the gas inlet of the monitor.
- To allow excess gas to vent, open (uncap) the tee on the gas inlet.
- Set the flow rate through the humidifier to be between 3 and 5 LPM.

For further support, contact [Technical Support](#).