



Connect cylinders to AirCal 8000

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INTRODUCTION

The Aeroqual AirCal 8000 is an (optional) integrated calibration system where the gas cylinders and calibration system are permanently installed in the AQM 65.

Gas cylinders are stored in a compartment on the left side of the main enclosure, and the components that perform the calibration are in a module inside the main enclosure.

You can schedule the AirCal 8000 to deliver zero and span calibration gas automatically, without the need for an engineer to visit the site.



TOOLS:

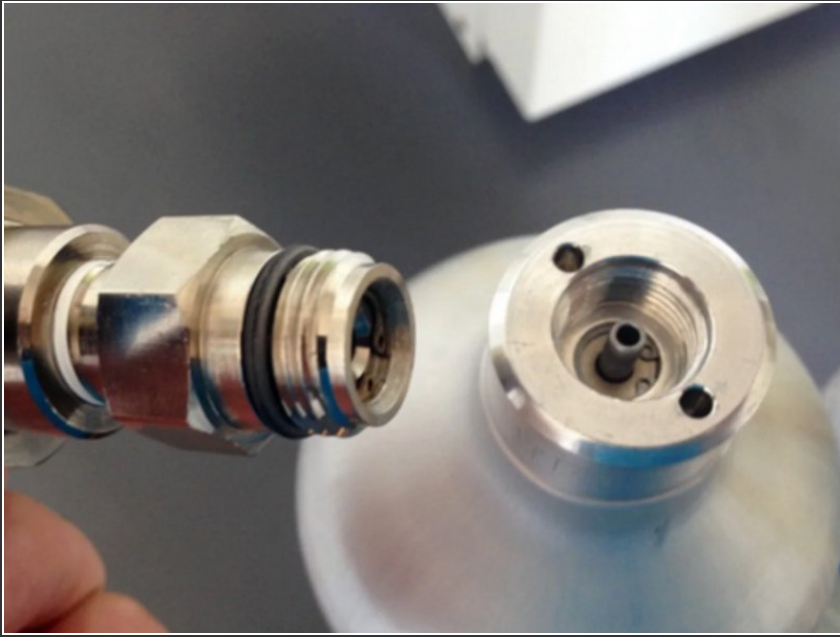
- Adjustable spanner (1)



PARTS:

- Calgaz gas cylinders (1)
- AirCal 8000 integrated calibration system (1)

Step 1 — Attach gas regulators



- Attach (screw on) a gas regulator on to each of your 2 gas cylinders.
- ① Calgaz cylinders have a C10 ($\frac{5}{8}$ – 18 UNF) thread (C10 fitting) which easily fits the gas regulators that come with your AirCal 8000.

Step 2 — Insert cylinders



- ① The cylinder enclosure is 20.5cm x 11.5cm and designed to hold the 6D and 8AL cylinders from Calgaz.

Larger cylinders can be used with the AirCal 8000 but they'll need to be externally secured and protected.

- Place the cylinders inside the cylinder enclosure.
- Connect the 1/8 inch OD Teflon tubing on the side of the enclosure to the gas regulators. This tubing connects the cylinders to the gas inlet ports on the AirCal 8000.
- Use an adjustable spanner to ensure the connections are leak tight.
- Turn the regulator control knobs clockwise to define the pressure of gas.
- Shut and lock the enclosure door.

Step 3 — Schedule calibration

Calibration and Service ▾ Aeroqual AQM65 - Sales & Marketing (AQM65 10052017-591) ▾

Offline (last contact Monday, 27 April 2020)

Calibration
History
Manual Entry

Enabled ☐ Frequency **Monthly** ▾ Date of month **7** ▾ Start time **05** ▾ : **00** ▾

Point	Port	Gas	Cylinder concentration	Span concentration	Dilution ratio	Run time (min)
1	Zero	-	-	-	-	30
2	Span port 1 ▾	CO2 ▾	1000 ppm	25 ppm	40	30
3	Span port 2 ▾	H2S ▾	1000 ppm	25 ppm	40	30
4	Zero	-	-	-	-	10
5	-	-	-	-	-	-

Clear

- Set up a [scheduled run](#) to initiate and control the calibration process for your installed gases.
- If you're onsite, you should measure the excess flow out from the tee using a quality flowmeter.

Step 4 — Video of steps



- For extra help, watch our video.

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