

Monitor your risks,
create safe spaces.



CELLAGUARD® Carbon Dioxide Monitor, Carbon Dioxide and Oxygen Monitor



CELLAGUARD® Carbon Dioxide (CO₂) Monitor and Repeater.



CELLAGUARD® Carbon Dioxide (CO₂) and Oxygen (O₂) Monitor and Repeater.



Splashguard.

CELLAGUARD® Monitor range

BOC CELLAGUARD® monitors are available in Carbon Dioxide (CO₂) or both Carbon Dioxide and Oxygen (O₂) models. There are two key components, the monitor and the repeater.

- The monitor is installed and wall mounted close to the point of gas supply and/or gas use, i.e. inside the store room, cellar or cool room (area highlighted as a risk) and monitors the quality of the air in the environment.
- The repeater is installed near the entrance to the store room, cellar or cool room and 'repeats' or mimics the conditions of the monitor. Where there is more than one entrance to the area, extra repeaters can be installed.

The CELLAGUARD® Carbon Dioxide Monitor is designed to detect increased levels of CO₂ in an enclosed area like a store room, cellar or cool room (ambient air). The monitor has two preset CO₂ alarm levels of 1.5% and 3% that provide an audible and visual indication of potentially dangerous levels of CO₂ in the air surrounding the monitor. This unit is predominantly used in areas where CO₂ gas is exclusive.

The CELLAGUARD® Carbon Dioxide and Oxygen Monitor is designed to detect the presence of CO₂ or a reduction in O₂ levels in an enclosed area like a store room, cellar or cool room (ambient air). The monitor has two preset CO₂ alarm levels of 1.5% and 3% and a preset O₂ alarm level of 19% that provide an audible and visual indication of potentially dangerous levels of CO₂ or O₂ in the air surrounding the monitor. This unit is predominantly used in areas where both Nitrogen and CO₂ gases are used.

BOC CELLAGUARD® Monitor package includes;

- CELLAGUARD® Carbon Dioxide Monitor or CELLAGUARD® Carbon Dioxide and Oxygen Monitor
- CELLAGUARD® Repeater
- Splashguard
- Signage
- Warranty

Once installed, this affordable, easy to use package is designed to ensure you know the CO₂ and O₂ levels inside the room are at a safe level for you or your staff to enter, reducing the risk of exposure and assisting with your AS 5034 compliance.

CO₂ Concentration effects.

CO ₂ concentration in air	Effect
3-5%	Can cause increase respiration and headache if inhaled
8-15%	Can cause headache, nausea and vomiting which may lead to unconsciousness
>15%	Can cause rapid circulatory deficiency leading to coma and death

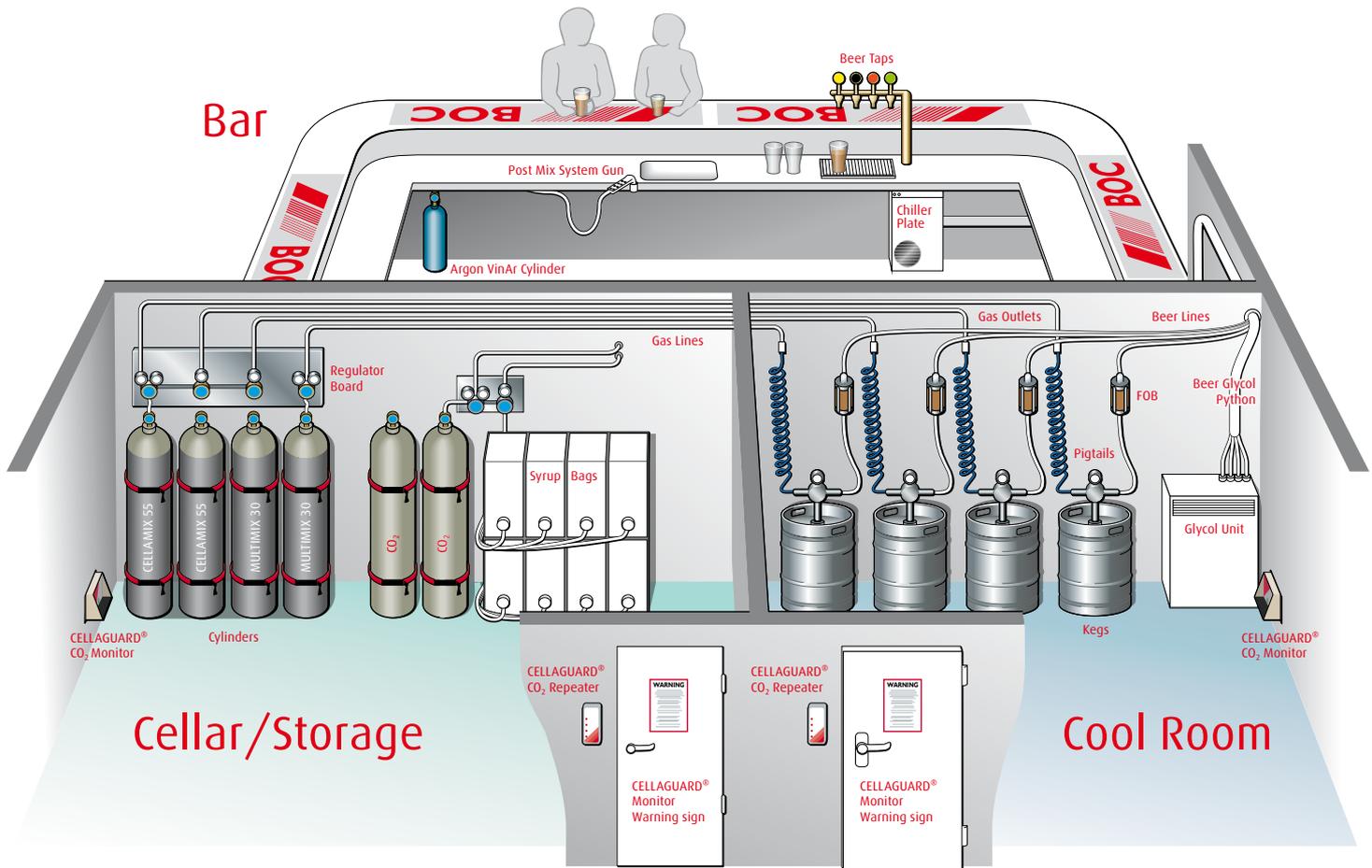


Image is for illustrative purposes only.

Features

Wall mounted unit is hardwired and comes installed with its individual lockable isolator. Installation and half yearly onsite gas calibration performed by qualified BOC electrical personnel.

Complies with Australian Standard AS61010.1-2003 (Australia & New Zealand) and Australian and New Zealand EMC requirements.

Built in dual sensors for Oxygen and Carbon Dioxide monitoring is an option.

Main unit is housed in an IP65 splash proof enclosure.

Three repeaters can be daisy-chained to a single gas monitor.

Provides both audible and visual alarm. Audible/sounder alarm as a decibel of 75dB @ 3m.

Two levels of warning alarms or pre-alarm warning.

Built in test mode function for main detector and repeaters.

Customer Engineering Services (CES) provide a 24 hour, 7 day maintenance and service offer.

Benefits

Tamper proof and compliant as per the requirement of Section 4.3.2, Australian Standard 5034 – 2005.

Includes 2 year conditional warranty.

Suitable for use in Australia and New Zealand.

Cost effective solution as you don't need to purchase separate Oxygen and Carbon Dioxide gas monitors.

Dust tight and protected against low pressure water jets.

Covers up to three different entrances increasing your overall safety and improving your risk reduction.

Captures attention and eliminates the need for a separate sounder or light beacon.

Operator has the option of locating and isolating the leak before needing to "evacuate the area" or the second alarm activating.

User able to check the functionality of the system even in the absence of any alarms.

Provides you with peace of mind that should the unexpected occur BOC will be there to support your business.

These useful videos can be found on the BOC South Pacific YouTube Channel:



What is AS5034?



Properties and hazards of carbon dioxide
in the food and leisure industry.



Signage in your cellar or cool room.



Cellar and cool room ventilation
and monitoring.

For more information contact the BOC Customer Engagement Centre on

Australia **131 262**

New Zealand **0800 111 333**

BOC Limited

ABN 95 000 029 729 10 Julius Avenue, North Ryde NSW 2113, Australia, www.boc.com.au
WN007748 970-988 Great South Road, Penrose, Auckland, New Zealand, www.boc.co.nz

© BOC Limited 2015. BOC is a trading name of BOC Limited. Reproduction without permission is strictly prohibited. Details given in this document are believed to be correct at the time of printing. Whilst proper care has been taken in the preparation, no liability for injury or damage resulting from its improper use can be accepted.