The simple solution to chlorine generation

Chlorine (Cl2) has always been a difficult gas to handle when using traditional gas cylinders. It is reactive and problematic in terms of accuracy and erratic shelf life. This causes difficulties for personnel working across a wide range of industries, such as in the water treatment sector.

With this in mind, Euro-Gas developed the GazCal Chlorine Gas Generator, which has become an indispensable tool for those working with Chlorine gas. Engineers within the water industry find this rugged, portable and battery-operated tool ideal for testing and calibration, both in the lab and in the plant. The GazCal comes in a robust carry case and enables rapid test and calibration. Simply set the PPM level via the unit's dial-up digital display and it's ready to use. The Gazcal generates Cl2 levels from 0.5 – 20ppm and is also suited to act as a surrogate for cross-calibration of ClO2, COCl2, O3 and F2.

Euro-Gas designed the GazCal to overcome the problems of cylinder low shelf life. Compared to traditional cylinders which can simply die out after up to 6 months, Cell life is only used up when the GazCal unit is in operation. The generator can last for up to a decade, often without the necessity to change the cell and needing only a yearly recertification of calibration, which can be carried out by Euro-Gas or qualified technicians at the site.

The GazCal cell has a lifetime of 500ppm hours, equating to 100 hours of constant use at a 5ppm concentration level, which enables a minimum of 400 individual calibrations. Operators can see the life span of the generating cell on the unit's cell life indicator. Once the cell is used up, a new generating cell can be installed easily. Depending on the level of experience that the engineer has with gas detection calibration, regular small gas cylinders will only perform around 5 – 10 calibrations per cylinder. The GazCal may initially be more costly than a small cylinder but in the longer term, the generator is far more economical.

Moreover, gas cylinders only attain one specific concentration per cylinder purchased, for example 5ppm of Cl2. The GazCal is totally adjustable between the 0.5ppm to 20.0ppm range and in 0.1ppm steps, therefore enabling many different concentration levels from one device. In addition, low concentrations of Cl2 are efficiently produced with the GazCal, even 1ppm and 2ppm levels, whereas it is extremely problematic to achieve cylinder stability at low concentration levels.

Euro-Gas Management Services Ltd
Churston House, Bascombe Road, Churston Ferrers, Devon, TQ5 0JJ, United Kingdom
Tel: 01803 844414 • **Email:** sales@euro-gasman.com • **www.euro-gasman.com**