

MAXICAN[®]. Disposable cylinder for calibration gases with 40 bar filling pressure.



Introduction

A safe, secure and healthy working environment is classed as a must in all sectors of modern industry today — even a small amount of dangerous gases or vapours escaping can have far-reaching effects for people's health and the environment. In addition, handling gases, dusts and vapours is often associated with a danger of explosion.

To efficiently measure and safely assess the composition of gases, dusts or vapours in the workplace at any time, gas detectors are used both personally and to monitor areas. Appropriate tests must be performed at regular intervals to ensure that these gas detectors always work reliably, and a range of calibration gases and gas mixtures are used for this process.

Requirements

Due to long distances and high mobility requirements, large gas cylinders are generally too cumbersome for gas detector function tests. In particular, gas detectors are also frequently installed in difficult-to-reach locations, which is why these fields of application require a particularly handy and flexible solution.

Solution

MAXICAN[®] from Linde is an aluminium disposable pressure vessel with 40 bar filling pressure and has DIN EN 11118 certification. To withdraw gas, MAXICAN[®] features the C 210 Maxi, a compact piston pressure regulator. Due to the high filling pressure for a disposable vessel, MAXICAN[®], with a gas content of up to 48l, holds a comparably large quantity of gas, thereby meeting the demand for a light and handy calibrating gas cylinder, which can be used as an alternative to rental cylinders.

Further information

MAXICAN® is part of our "Gases in Small cylinders" range. Thanks to this range, Linde provides universal gas application possibilities wherever it is critical that light containers are used in a mobile way.

With the MAXICAN® pressure vessels, Linde participates in the German recycling system "Der grüne Punkt – Duales System Deutschland". The empty disposable vessels are sent for recycling via this collection system.

Technical data

Pressure vessel	
Length (with valve)	approx. 350 mm
External diameter	approx. 80 mm
Filling volume	1.2 litres
Filling pressure (maximum)	40 bar
Filling quantity (maximum)	48 litres (depends on gas type)
Empty weight (with valve)	approx. 0.8 kg

Piston pressure regulator C 210 Maxi*

Design	single-stage, with inlet and outlet pressure gauge (outlet pressure range: 0-6 bar)
Material	chrome-plated brass
Outlet connections	compression fitting 1/8", 3 mm, 6 mm hose nozzle 1/8", 3 mm, 6 mm

*Can be connected to the gas cylinder without tools, by screwing it into the cylinder valve. Additional connections are available on request.

Current product range

- Nitrogen 5.0
- Helium 5.0
- Hydrogen 5.0
- Oxygen 5.0
- Synthetic air, HC-free
- 2.5% methane in synthetic air
- 2% hydrogen in synthetic air
- 1% propane in synthetic air
- Oxygen in nitrogen
- Carbon dioxide in nitrogen or synthetic air
- Carbon monoxide in nitrogen or synthetic air
- Gas mixtures for room air monitoring
- Gas mixtures for explosion protection
- Gas mixtures for emissions monitoring



Piston pressure regulator C 210 Maxi



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