

ECOCYL®.

The portable solution.



Introduction

The quality of the air – indoors and outdoors – is measured constantly on many industrial sites. Outside, for instance because of strict emission regulations, indoors, because of the safe working conditions for your personnel. Sensors are used to monitor the quality of the air. These sensors must be checked regularly for their proper operation.

In order to determine the proper operation of sensors, gases or gas mixtures are being used. The number of different components to be monitored is matched by the number of different gases and mixtures needed for the checks.

You can imagine that in order to check sometimes hundreds of sensor points at a given site; a handy and simply operated packaging is desirable.

The solution

Linde Gas has developed a unique and environmentally friendly solution: the ECOCYL®! This is a small, refillable gas cylinder with completely integrated valve, pressure regulator and flow meter. A sturdy fixed sleeve protects the entire assembly. The result is a safe and user-friendly gas cylinder, ready for direct use. You as user only need to open the valve and to make a choice of preset flow rates.

The ECOCYL® is very easily moved from one control point to the next thanks to the integrated grip in the protection sleeve or by using a shoulder strap.

Safety

The centre of gravity falls right in the middle of the cylinder due to the integrated system of the ECOCYL®, developed by Linde Gas. You can easily place the ECOCYL® vertically without it falling over. Safety at its best!

Changing or removing the pressure regulator after use is no longer necessary. The empty cylinder can be returned to Linde Gas Benelux, including regulator and protection sleeve. It will be checked and refilled for you by well-trained professionals.

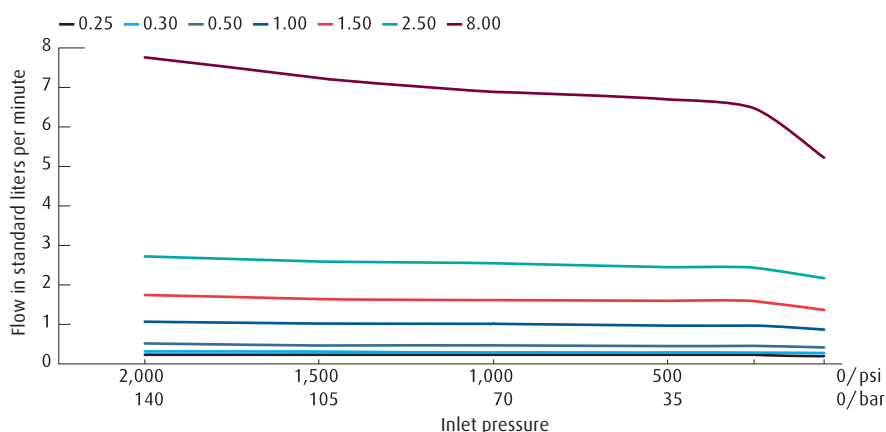
The ECOCYL® is subject to the same regulations as normal gas cylinders. ECOCYL® cylinders are stamped with the Greek symbol π (pi), which is a valid marking for the entire European Union.

Specifications

Diameter	9.5 cm
Height	44 cm
Weight (empty)	2.4 kg
Fill pressure	max. 150 bar/2200 psi
Gas volume	max. 0.15 m ³
Secondary pressure	3.8 bar
Flow	0.25; 0.3; 0.5; 1.0; 1.5; 2.5 and 8 litre per minute
Connection	6 and 8 mm hose connection



Flowcurve



Product portfolio

ECOCYL® will become available in various different types. ECOCYL® RSH is suitable for non-corrosive pure gases and for gases with non-corrosive components. ECOCYL® RSH is not suited for pure oxygen and other oxidising gases, nor for flammable liquid gases.

Should you have a question about a specific gas or mixture to be delivered in an ECOCYL®, please contact your contact person from Linde Gas Benelux or our HiQ® Desk in the Netherlands.

Examples of pure gases

Argon 5.0 Instrument
Helium 5.0 Detector
Synthetic 4.0 Air Monitoring
Methane 4.5 Detector
Nitrogen 5.0 Instrument
Hydrogen 5.0 Detector

Examples of mixtures

2.2% Methane in synthetic air
2.0% Hydrogen in synthetic air
0.85% Propane in synthetic air
2.0% Oxygen in nitrogen
4.0% Oxygen in nitrogen

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Linde Gas

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Specialty Gases / HiQ Desk

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