



ECOCYL[®]

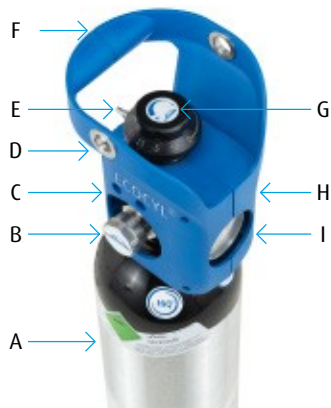
General description

The ECOCYL system consists of a small, refillable cylinder that is equipped with an integrated regulator (variable flow type). This device is fully integrated within the cylinder protection cap. The result is an easy, ready-for-use system. The end user only needs to open the cylinder valve and choose the applicable flow from the preset flow ranges. This makes ECOCYL a simple, safe and environmentally-friendly solution.

These units are suited to flammable, non-corrosive pure gases as well as gas mixtures that might contain toxic (LC50>200ppm) and non-corrosive as well as corrosive components. Liquefied gases and pure oxygen (including all oxidizing gases and gas mixtures) are not approved for the ECOCYL system. The working pressure is 200 bar (2900 psi) and outlet pressure is 3.8 bar (55 psi).

Key features

- A. Cylinder
- B. Filling port (filling only allowed at Linde-authorized facilities)
- C. Protection cap, also called protective cowling
- D. Shoulder strap connecting points
- E. Outlet connection
- F. Carrying handle grip
- G. Flow selector knob
- H. Main cylinder shut-off valve
- I. Pressure gauge



Operating instructions

1. The full instructions must be read before you use the system.
2. Each user shall be trained and comply with all applicable rules and legislation.
3. Make sure that you have read the Safety Data Sheet for the gas or gas mixture contained in the unit.
4. Keep hands and equipment clean. Never use grease or lubricants with the unit.
5. Never disassemble a system or remove the protective cap [C].
6. Visually check for damage before use. Contact Linde at the address overleaf if any leakage or malfunction is suspected.

7. Protect the unit from impact. Only carry the unit by the carrying handle grip [F].
8. As an alternative, a shoulder strap can be connected to the unit. Make sure that it is well secured to the shoulder strap connection points [D].
9. Make sure that the main cylinder shut-off valve [H] is closed. (Closing direction is clockwise.)
10. Make sure the flow selector [G] is reading '0'.
11. Connect the sample hose (6 or 8 mm) to the hose barb or to the quick connector [E].
12. Open the main cylinder shut-off valve [H] slowly. (Opening direction is counter-clockwise.)
13. Cylinder content can be read from the content indicator [I].
14. Select the requested gas flow by turning the flow selector knob to the nearest flow setting [G].
15. Close the main cylinder shut-off valve [H] when the gas flow is no longer needed. Attention: do not overtorque the valve; the maximum torque on the shut-off valve is 1.5 Nm.
16. Turn the flow selector [G] to the position '0'.
17. Store the unit in a dry and clean place that meets the applicable local safety requirements for pressurized gas cylinders.
18. Return the unit to your nearest Linde branch for refilling. Refilling is only allowed at Linde-authorized filling facilities.

Linde accepts no responsibility if the markings have been removed, the unit has been altered or modified, or it has been used beyond the scope of its intended purpose. The user assumes all risk in those cases. Contact Linde in case of questions. Alterations include changes of the specific hose barb outlet connection. Contact Linde for information on alternative outlet connection opportunities.

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