→ Product datasheet.

EVOS™ Ci. Unique gas valve sets new benchmark for performance, ergonomics and safety.

Summary

Linde has set a new performance, usability and safety benchmark with its unique EVOS™ gas valve. Featuring multiple patent-pending innovations, the Ci member of the EVOS family was designed specifically to meet demanding customer needs. Building on lessons learnt from current valve designs, Linde engineers listened extensively to customers to find out what exactly they need and want in a valve. During hands-on trials, EVOS Ci proved to be the clear favourite among professional users. EVOS Ci exceeds requirements outlined in existing design standards.

Key features

Live content indicator for greater ease and efficiency

→ EVOS Ci comes with a time-saving, live content gauge allowing users to read the pressure in the cylinder at a glance – without needing to connect a regulator.

Safety interlock button

→ The safety interlock button eliminates the risk of a valve being opened accidently – during transport for instance.

Quick-action lever for improved user interaction and safety

→ EVOS Ci comes with a new fast-acting, easy to use ON/OFF lever that allows users to see from a distance whether the valve is open or closed.

→ In a quick 2 step process, users – even when wearing gloves – can quickly and easily press the safety interlock button and lift the lever to start the gas flow, then simply pull the lever down to fully stop the gas flow quickly and safely.

EVOS Ci guard

→ The EVOS Ci valve come with a specially designed guard which is engineered for greater usability and safety, protecting the valve against accidental bumps and falls.

Ergonomic lifting/handling features for greater user safety

→ The guard arms are designed to give the user optimal grip when handling the cylinder.

→ The churning knob makes it easier and safer to move cylinders over short distances.

→ The guard design mean that EVOS Ci can even easily be lifted if needs be.

300-bar working pressure

→ EVOS Ci has a 300-bar working pressure so it holds more gas than a typical 200-bar cylinder, which means users can work with fewer or lighter cylinders.

Specifications

Approvals	TPED (Pi mark)*
Design standard – ISO	10297 (ISO V) valve 11363-1 15996 11117 (guard) 5145 (outlet thread)**
Gas range	Argon, nitrogen, oxygen, acetylene, carbon dioxide mixes, hydrogen and other main gases
Cylinder sizes (water capacity)	From 20 to 50 litres
Cylinder working pressure	Up to 300 bar (lower pressures available)
Inlet/cylinder thread	25E
Outlet position	Right-hand side
Body material	Brass
Case colour	Blue
Opening method	Quick-acting lever
Lever material	Aluminium
Lever colour	Silver (metal)
Interlock colour	Blue
Gauge indicator colour scheme	Green and red scale on a white background
Valve protection method	Fully integrated guard
Operating temperature	–20 to 65 °C
Storage temperature	–40 to 65 °C

* further territorial extensions work in progress **regional standards for lower pressure valves

Linde AG
Linde Gases Division, Seitnerstrasse 70, 82049 Pullach, Germany
Phone +49.89.7446-0, Fax +49.89.7446-2071, www.linde-gas.com/evos

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