

Focus on user experience.

As the global leader in industrial gases, we focus on every aspect of the customer experience and this includes practical details such as valve design and performance. We want our users to have the best possible experience when they work with our gases and to enjoy the highest safety standards.

So what do our customers want?

- When asked what they are looking for in a valve, our customers requested the following:
- Clear and live indication of how much gas is in the cylinder without having to attach a regulator – for more comfort and greater cost-effectiveness
- 300-bar handling capability for longer-lasting cylinders (i.e. more gas) – for greater efficiency
- Clear and visible indication of whether the cylinder is open or closed – for improved safety
- Simple open and close mechanism – for user-friendly operation
- Improved lifting, handling and manoeuvrability of the cylinder – for ease of use
- We then channelled these insights and lessons learnt into a new valve design that can outperform existing models.

Getting ahead through innovation.

With its innovative concepts, Linde is playing a pioneering role in the global market. As a technology leader, it is our task to constantly raise the bar. Traditionally driven by entrepreneurship, we are working steadily on new high-quality products and innovative processes.

Linde offers more. We create added value, clearly discernible competitive advantages, and greater profitability. Each concept is tailored specifically to meet our customers' requirements – offering standardised as well as customised solutions. This applies to all industries and all companies regardless of their size.

If you want to keep pace with tomorrow's competition, you need a partner by your side for whom top quality, process optimisation, and enhanced productivity are part of daily business. However, we define partnership not merely as being there for you but being with you. After all, joint activities form the core of commercial success.

Linde – ideas become solutions.



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Tried and tested. Unique gas valve sets new benchmark for performance, ergonomics and safety.

Building on lessons learnt from our current valve designs, our development team listened carefully to our customers to find out what exactly they want and need in a valve.

The result is the EVOS™ family – our first-ever series of lever-operated valves. EVOS Ci, the pioneer member of the EVOS family, was designed specifically to meet the demanding needs of today's users. Featuring multiple patent-pending innovations, EVOS sets a new performance, usability and safety benchmark for gas valves.

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reddot design award
winner 2015

EVOS™ Ci.

Works under great pressure so you don't have to – the new valve and guard package built for your needs.

The answer.

- And so we designed the EVOS valve family, meeting these needs and exceeding standards such as ISO 10297 (valve), 11363-1, 15996, 5145 and 11117 (guard). First to launch from this family, EVOS Ci comes with a raft of innovative features that translates into concrete production, procurement and health and safety benefits:
- Live contents indicator for greater ease and efficiency
- Safety interlock button for added safety
- Quick-action lever for improved user interaction and safety thanks to visibility from virtually all angles
- EVOS Ci guard to protect the valve against accidental bumps and falls
- Ergonomic lifting/handling features for greater user safety
- 300-bar working pressure as standard for longer-lasting cylinders
- These features make EVOS Ci the first valve to bring the benefits of enhanced design to the full industrial gas user spectrum, spanning HVAC, plumbing, automotive, construction, welding and metal fabrication, site maintenance and railworks.



You and EVOS.

Refrigeration, plumbing, heating, ventilation and air conditioning (HVAC)

The 300-bar standard working pressure means EVOS Ci can be used on cylinders with a higher gas capacity so service staff need to store fewer cylinders in their vans. This enhances convenience and safety. In addition, the live content indicator means that operators can see the gas level in seconds without needing any extra equipment. This reduces the likelihood of operators running out of gas in the middle of a job. And to make moving between jobs even easier, the guard design includes a churning knob to transport cylinders over short distances if a trolley is not around. This guard also means cylinders can be lifted with a crane if permitted and should the need arise.

Automotive

Automotive users tend to require relatively high volumes of gas and so often need to change cylinders. Supporting a higher cylinder capacity, EVOS Ci saves time by reducing the frequency of cylinder change-outs. For example a 33-litre, 300-bar EVOS Ci package holds virtually the same volume of gas as a regular 50-litre, 200-bar package, but in a shorter, lighter cylinder. Plus the handling features found on the guard – easy grip arms & churning knob allows the change out process to be done faster and easier. This also means that cylinders can be moved with relative ease by two workers, and attached to trolleys or walls. The live contents indicator saves even more time and ensures no gas is wasted as operators can see at a glance whether the cylinder is empty or not. Last but not least, the new fast-acting, easy-to-use

ON/OFF lever is designed so users can clearly see – even from a distance – whether the lever is in an open or closed position. This is achieved in two ways. Firstly, the lever protrudes when open and secondly, the colour contrast between valve lever and body when open and can be seen from most view points.

Site and public transport maintenance, welding and metal fabrication

The in-built contents indicator and high-pressure capability (enabling smaller cylinders with higher volumes) of EVOS Ci make life easier for mobile maintenance workers. Not only can they see the volume of gas remaining at a glance, they also need to transport fewer cylinders for the job. In addition, safe handling features mean users can load cylinders into the van more easily and with less likelihood of injury. Safety highlights include the safety interlock button, which means that bumps or knocks in transit do not result in the valve being accidentally turned on. In a quick and simple 2-step process, users (even when wearing gloves) can press the safety interlock button and flick the ON/OFF lever into the ON position to start the gas flow. Simply pulling the lever down again fully stops the flow. Plus the ON/OFF function means that operators always know the valve is fully shut off when the job is done, eliminating the risk of potential slow gas leaks from valves that have not been properly closed. An additional safety feature, the “cut-off” function immediately stops the gas flow if the lever gets damaged or sheared off.

Visit www.boconline.co.uk/evos for more information or contact your BOC representative.

