

VICTOR® EDGE™ 2.0 REGULATOR WINS PRESTIGIOUS iF DESIGN AWARD 2017

FEBRUARY 27, 2017



Florence, SC – Victor®, an ESAB brand, announced today that its soon-to-be-launched EDGE™ Series 2.0 heavy-duty gas regulator was a winner of this year's iF DESIGN AWARD in the Product — Industry/Skilled Trades category. Since 1953, Germany's oldest independent design organization, Hannover-based iF International Forum Design GmbH, has awarded the prestigious iF DESIGN AWARD to highlight the best in design all over the world.

"Our Voice of Customer feedback program indicated that customers want a regulator that's more intuitive, easier to see and highly protected," says John Henderson, Director Product Development, Global Gas Equipment, ESAB. "The iF DESIGN AWARD validates our efforts to achieve innovations that respond to customer needs and improve the customer experience."

Bob Boyer, Principal Engineer for Gas Equipment, ESAB, is the mechanical engineer who led the EDGE 2.0 design team. He notes that, "We designed EDGE 2.0 with a purposeful appearance. As a result, this regulator is a perfect blend of aesthetic innovation, superior functionality and ease of user interaction. There is no waste. There's nothing on the regulator that doesn't need to be there. We're extremely honored that the iF DESIGN AWARD recognizes these accomplishments."

Boyer explains that until Victor launched EDGE 1.0 in 2009, regulator design had changed very little since Victor introduced the modern gas regulator in 1913. With his original EDGE design, Boyer created a safer regulator through three primary design functions:

- SLAM™ (Shock Limitation and Absorption Mechanism) technology built into the adjusting knob, permitting the knob to absorb the impact in the event of a cylinder fall.
- Designing the pressure gauges so that they were an integral part of the regulator body for superior safety and protection.
- Incorporating a particle trap so the regulator could pass ASTM G-175 promoted ignition test.

EDGE 1.0 set the new standard for regulator safety and performance. EDGE 2.0 takes safety and performance to new levels, and it now puts user-interaction at the forefront.

"The design of EDGE 2.0 makes operation more intuitive while reducing the potential for mistakes. Its design is really a vision for what gas equipment should be," says Boyer.

For example, on legacy regulators, it can be difficult to tell the difference between the high pressure gauge (which measures the cylinder contents) and the low pressure gauge (delivery

pressure to the torch, which is extremely critical for safe and effective operation). EDGE 2.0 features an extra large 2 ½-in. diameter delivery gauge, as well as using a high-contrast, color-coded gauge face that enable users to more easily see and set delivery pressure. The cylinder pressure gauge is smaller and offset to create a difference in depth perception. Even from a distance, operators can tell if they have sufficient cylinder contents and if delivery pressure is within safe and acceptable ranges. For further clarification, "HP" and "LP" are molded into the gauge guards.

Where EDGE 1.0 had a blockier design, EDGE 2.0 features a smooth, sloped profile at the point where the regulator connects to the cylinder. The new profile provides better hand- and wrench clearance, and it eliminates a point where users often banged their knuckles.

"EDGE 2.0 doesn't just look good, it looks good for specific reasons," says Boyer.

Other EDGE 2.0 improvements are not obvious on the surface, such as a stainless steel diaphragm that delivers increased precision and more consistent flow performance, as well as a more precise gauge mounting design and several reparability improvements. Complete details on these and other advantages will be released when EDGE 2.0 becomes commercially available in May 2017. It will be available for all common gases, including acetylene, L.P. (propane), oxygen and inert gases.

ESAB Welding & Cutting Products is a recognized leader in the welding and cutting industry. From time-honored processes in welding and cutting to revolutionary technologies in mechanized cutting and automation, ESAB's filler metal, equipment, and accessories bring solutions to customers around the globe. For more information about ESAB and its leading brands, visit www.esabna.com or call 1-800-ESAB123.



The innovative design of the Victor® EDGE™ Series 2.0 enabled Victor to win this year's iF DESIGN AWARD in the Product — Industry/Skilled Trades category.



CONTACT ESAB