



Job Aid Resource

Victor Professional Edge Series Regulator Frequently Asked Questions

What are the 4 key selling features of the Edge regulator?

- Advanced Design
- User Friendly
- Outstanding Performance
- Unsurpassed Safety

What is protected within the cylinder profile due to the compact design of the regulator?

- Outlet connection
- Relief Valve
- Gauges
- Internals

What is the housing cap material made of and how strong is it?

It is a zinc aluminum alloy that is twice the yield strength of brass. Furthermore, the cap is mated to the forged brass body with six stainless steel bolts, which provides a flat metal to metal seal and consistent seal compression.

Is the design patent protected?

Yes, we have both design and utility patents pending on the overall look, the SLAM knob and the particle trap feature.

What makes this regulator User Friendly?

- Easy to read gauge graphics
- Easy to grip and adjust knob
- Color coded adjusting knob

Does the Edge fit cylinder safety caps, such as a GrifTan cap?

Yes, it has been tested to ensure it is compatible with all safety caps.

Does this regulator perform better than the 450 or comparable competitive models?

How so?

Yes, it has a flatter flow curve resulting in a more consistent supply of gas to the application and fewer operator adjustments.





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What makes this regulator safer than others?

- The compact design makes it less vulnerable to damage in the work environment
- Vent system protected under the knob making it less exposed to the weather elements
- SLAM knob which protects the regulator and cylinder valve in the event of a cylinder fall
- It is designed to pass the ASTM G175 Promoted Ignition test

What does SLAM stand for?

Shock Limitation and Absorption Mechanism

How much force can the SLAM knob handle?

It can absorb 5,000+ lb.-force of energy.

Can you briefly explain what the ASTM G175 Promoted Ignition Test is?

It is a very severe test that measures a regulator's resistance to oxygen related fires. The test involves placing a poison pill of ignitable material in the inlet of the regulator and then impacting it with 2,500 psig of oxygen.

Does the Edge pass the Promoted Ignition test? Do others pass this test?

Yes, the Edge passes this test! Most industrial regulators cannot pass this test. A few may claim resistance to oxygen burn-out but they sacrifice performance of the regulator to do this. The Edge not only does not sacrifice performance, it performs better!

Are we going to stop selling the SR 450 regulator now that we are introducing the Edge?

No, we still have the SR 450 available to customers who want to continue buying it. We will let the market decide how long we keep the 450 in the line.

What do the different knob colors stand for?

- Green is oxygen
- Red is acetylene
- Black is inert (ie. Nitrogen, Argon, Helium, etc.)
- Orange is LP Gas (Propane, Propylene, Natural Gas, etc.)

What does the 4 stand for in the model description ESS4-125-540?

4 stands for High Capacity, which equates to a SR 450, but with better flow performance.

