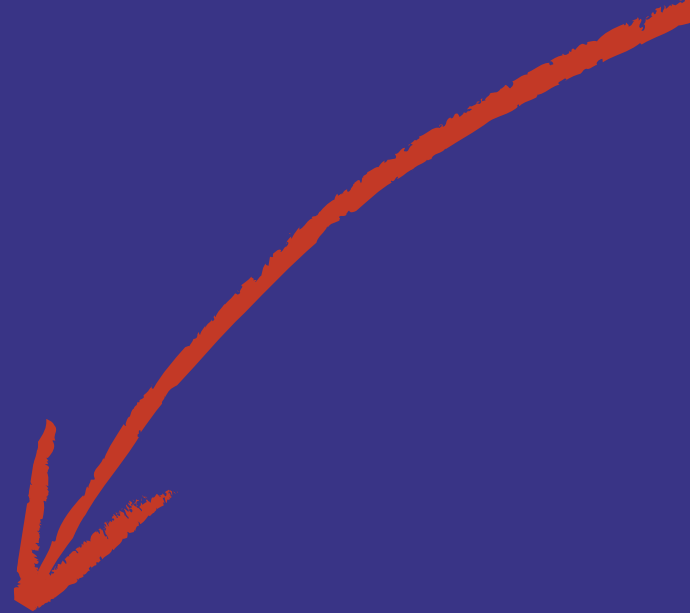


WELDING YOUR WAY TO RICHES WITH OPTIMATOR[®]!



GasiQ[®]
Intelligent solutions for industry



Proven results

Tests show that Volvo saves at least 43% gas through the installation of Optimator®.

To check how much gas could be saved by using Optimator, the following test was performed at Volvo Bus in Uddevalla, Sweden: At one of the company's welding stations, a repetitive welding cycle is performed that takes about 60 minutes. The test consisted of allowing the welder to perform one cycle using the existing equipment and the following cycle using the Optimator. A mass flow meter with a digital counter was connected to measure the gas consumption during the two welding processes. A check was also performed at the welding gun with a flow meter to see that the gas flow was the same for both runs. The gas flow was recorded as 18 l/minute.

Results:

Consumption of gas using existing equipment: **838 l**

Consumption of gas using Optimator: **429 l**

The test showed that Optimator consumed 49% less gas. To be absolutely on the safe side, an error margin of 10% was added to the value read off the flow meter. It can therefore be established that Optimator saved at least 43% of the gas in this welding cycle at Volvo.

Some examples of other companies that currently use Optimator:

ABB, BMW, GM, Caterpillar, JCB, Aker Kvaerner and Autoliv.

**Save 43% gas
with Optimator®!**



GasiQ®
Intelligent solutions for industry

“In just a few months, you will get the money you invested in Optimator® back. After that it’s all profit!”

If you work with welding, you’re sure to know the cost of welding wire per kilo. But do you know what shielding gas costs per meter of weld? It costs at least as much as the wire. If you invest in Optimator® you will get a unique regulator and at the same time reduce your shielding gas consumption by up to 50%. An investment that pays off in less than six months – the rest is profit!

Quality that saves money

Every time you start a traditional regulator, a large amount of gas is lost to no avail. Optimator has an optimum start flow that is just a quarter of a traditional regulator, right from the first second. This unique two-stage reduction valve has been developed for qualified shielding gas

welding. The extremely pressure sensitive second stage greatly reduces the gas surge that normally occurs at start-up. This saves large amounts of shielding gas. Up to 50% with normal welding.

The even start flow also provides a higher quality weld since you avoid the turbulence that can disturb the welding process. The risk for pores in the welded joint is minimised.



Quality and the environment

Optimator is also available in a lockable version for exact gas flow.

A real advantage if you wish to ensure the highest and most even welding quality, e.g. with ISO 9000 certification. Using Optimator you can produce up to 50% more welded joints with the same amount of gas. This has economic effects for the environment as well, with a reduction in the need for gas transport.



Quality

Optimator is a regulator that was designed from the start with a specific purpose – to save gas. The high quality of the welded joint it produces is something you get for free. The increase in quality is the result of the even start flow. And we know that Optimator keeps its promises. We have sold this unique regulator to 10,000's of satisfied customers all over the world. Optimator is available in two different basic versions. Either for connection to gas cylinders or as part of a system for outlet points.

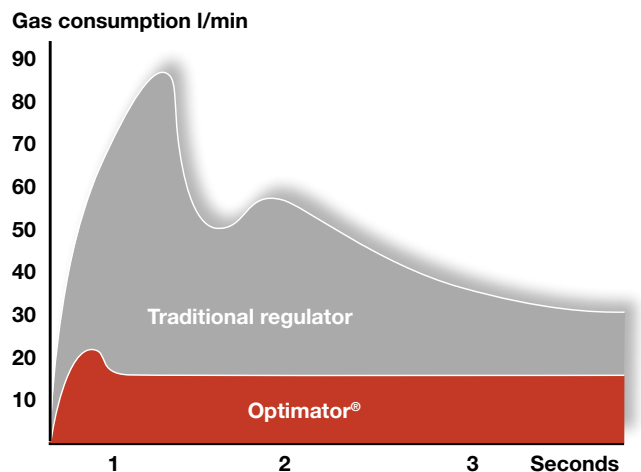
Test it yourself! How much would you save with Optimator®?

Welding wire consumption/ year. Tons	Type of weld							
	100% spot welding		75% spot welding 25% long welds		50% spot welding 50% long welds		25% spot welding 75% long welds	
	GBP	EUR	GBP	EUR	GBP	EUR	GBP	EUR
1	583	667	467	533	350	400	233	267
2	1 167	1 333	933	1 067	700	800	467	533
3	1 750	2 000	1400	1 600	1 050	1 200	700	800
4	2 333	2 667	1 867	2 133	1 400	1 600	933	1 067
5	2 917	3 333	2 333	2 667	1 750	2 000	1 167	1 333
10	5 833	6 667	4 667	5 333	3 500	4 000	2 333	2 667
15	8 750	10 000	7 000	8 000	5 250	6 000	3 500	4 000

See how much you save

The amount of gas you save with Optimator depends on how much you weld. The more short welds you have, the larger your saving. By using the table above, you can see directly how much money you would save.

Example: if you normally consume around five tons of welding wire per year and half of your welds are long welds and the rest are spot welds, you can, by investing in an Optimator, save 2 000 EUR per year! Isn't that fantastic?



The Optimator® range

Optimator®

Optimator is a two-stage regulator for qualified shield- ing gas welding. The extremely pressure sensitive second stage greatly reduces the gas surge that normally occurs at start-up of gas-arc welding. This reduction means that with normal welding, you can reduce your gas consumption by up to 50%. Lower gas consumption also means less time changing cylinders, which increases the effective production time for welding. In addition, you get a higher quality weld, since the risk for pores is less.

The two-stage principle of the Optimator ensures that the gas flow is very accurately regulated and is kept constant even when the pressure in the cylinder drops.

Supplied with hose connections for 5.0 and 6.3 mm internal hose diameters.



Optimator® II

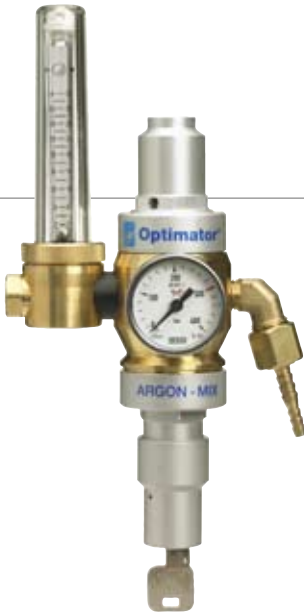
Optimator II is a special version with an extra gas outlet for backing gas. This reduction valve is primarily used for weld- ing where one wishes to take both the shielding gas and the backing gas from the same cylinder. The same savings for shielding gas are obtained as with Optimator.

The advantage with the extra gas outlet is that one does not need to change gas cylinders so often. The welding gas and backing gas can be adjusted separately in this solution.

Supplied with hose connections for 5.0 and 6.3 mm inter- nal hose diameters.



More information can be found on our homepage: www.gasiq.com



Lockable

All models of Optimator are available in a lockable version for exact gas flow. A real advantage if you wish to ensure the highest and most even welding quality, e.g. with ISO 9000 certification.



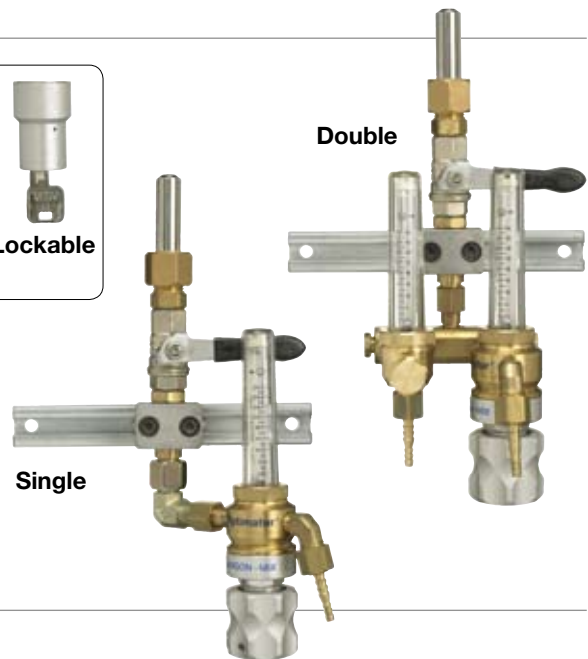
Outlet points

Our range includes outlet points for acetylene/oxygen and shielding gases. Outlet points that are included in the Optimator program are fitted with GasiQ's unique gas saver function, which reduces your welding costs. The points are available as complete units or for assembly on the shut-off valve of existing outlet points. Also available as a lockable version.

For more information about central gas systems, please contact your closest GasiQ gas equipment authorised retailer.



Lockable



Double

Single



Built-in solution

There is a special built-in version of Optimator for situations where you wish to use a normal regulator or outlet point in order to add the gas-saver function to a welding machine or intermediate feeder unit. This is a good alternative if you use really long hoses.

Also fits AGA's Nemo or Air Liquides ALTOP (with quick-connectors).

A leading company within gas equipment

GasIQ is a Swedish manufacturer of products for gas welding, soldering, cutting and gas regulation for gas shielded welding. The company offers an extensive program of quality products that amply fulfils our customers' requirements and wishes. All of our products are sold through local retailers in Europe, and even other parts of the world under the trademark Elga Gas Equipment.

GasIQ has a modern CNC machine park and is located since the start of 2003 at Stenkullen outside Gothenburg. During the last two years the company has invested heavily in production equipment such as five new CNC machines and a robot cell for assembly of pressure regulators. The machine park is in regular use since GasIQ also offers subcontracted work to other industries such as the heating, water and sanitation industry.

GasIQ also performs service and repair of gas welding equipment. Our customers are secure in knowing that their equipment has been correctly installed. If you need help, our experienced service technicians can help you on site.

GasIQ is ISO 9001:2000 certified by Lloyd's Register of Quality Assurance.

GasIQ[®]
Intelligent solutions for industry

GasIQ AB

Snickarevägen 1
SE-443 61 Stenkullen, SWEDEN

info@gasiq.com

Tel: +46 (0)302-246 80
Fax: +46 (0)302-246 90

www.gasiq.com

