

# Optiflow™ an exciting mix of economy and performance!

You can save up to 50% gas through the installation of the Elite Optiflow™



# In just a few months, you will get the money you invested in Optiflow™ back. After that it's all profit!



If you work with welding, you are 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 Optiflow 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. Optiflow has an optimum start flow that is just a quarter of a traditional regulator, right from the moment you begin using it. 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 up to 50% gas 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**  
Optiflow 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 9001 certification. Using Optiflow 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**  
Optiflow 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 Optiflow keeps its promises. Optiflow 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 and see how much you save!  
The amount of gas you save with Optiflow depends on how much you weld. The more short welds you have, the larger your saving. By using the table below 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 Optiflow, save 2000 EUR per year!

Type of Weld								
Welding wire somsumption /year. Tons	100% spot welds		75 % spot welds 25% long welds		50% spot welds 50% long welds		25% spot welds 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
	8 750	10 000	7 000	8 000	5 250	6 000	3 500	4 000

# The Optiflow™ range

## Optiflow™

Optiflow is a two-stage regulator for qualified shielding 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 Optiflow ensures that the gas flow is very accurately regulated and is kept constant even when the pressure in the cylinder drops. .



## Optiflow™ II

Optiflow II is a special version with an extra gas outlet for backing gas. This reduction valve is primarily used for welding 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 Optiflow. 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.



## Lockable

All models of Optiflow 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 9001 certification.



Lockable

## Outlet points

Our range includes outlet points for shielding gases. Outlet points that are included in the Optiflow program are fitted with the 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.



## Altop quick connectors

The Optiflow range also includes a version special made for quick connection to the popular Altop cylinders. Just click it to the Altop regulator and you will achieve the advantages of Optiflow.



# World leader in welding, cutting technology and systems



ESAB operates at the forefront of welding and cutting technology. Over one hundred years of continuous improvement in product and processes enables us to meet the challenges of technological advance in every sector in which ESAB operates.

## Quality and environment standards

Quality, the environment and safety are three key areas of focus. ESAB is one of few international companies to have obtained the ISO 14001 and OHSAS 18001 standard in Environmental, Health & Safety Management Systems across all our global manufacturing facilities.

At ESAB, quality is an ongoing process that is at the heart of all our production processes and facilities worldwide. Multinational manufacturing, local representation and an international network of independent distributors brings the benefits of ESAB quality and unrivalled expertise in materials and processes within reach of all customers, wherever they are located.

## Technical data & ordering information

Description	Fitting Style	Inlet & Outlet	Gas Services	Gas Pressure	Ordering number
Optiflow™, ar/mix 30 LPM	Nordic	W 24,32 x 1/14" inlet G 3/8 BSP outlet	Argon/Mix Gases	30 LPM	0700 016 990
Optiflow™, ar/mix side entry	British	G 5/8 BSP inlet G 3/8" BSP Outlet RH	Argon/Mix Gases	30 LPM	0700 016 991
Optiflow™, ar/mix bottom entry	British	G 5/8 BSP inlet G 3/8" BSP Outlet RH	Argon/Mix Gases	30 LPM	0700 016 992
Optiflow™, ar/mix bottom entry lockable	British	G 5/8 BSP inlet G 3/8" BSP Outlet RH	Argon/Mix Gases	30 LPM	0700 016 993
Optiflow™, ar/mix side entry lockable	British	G 5/8 BSP inlet G 3/8" BSP Outlet RH	Argon/Mix Gases	30 LPM	0700 016 994
Optiflow™ II, ar/mix 30 LPM	Nordic	W 24,32 x 1/14" inlet G 3/8 BSP outlet	Argon/Mix Gases	30 LPM	0700 016 995
Optiflow™ II, ar/mix bottom entry	British	G 5/8 BSP inlet G 3/8" BSP Outlet RH	Argon/Mix Gases	30 LPM	0700 016 996
Optiflow™ II, ar/mix side entry	British	G 5/8 BSP inlet G 3/8" BSP Outlet RH	Argon/Mix Gases	30 LPM	0700 016 997
Optiflow™, outlet point	British	G 3/8" BSP inlet with Nipple Outlet	Argon/Mix Gases	30 LPM	0700 016 998
Optiflow™, outlet point lockable	British	G 3/8" BSP inlet with Nipple Outlet	Argon/Mix Gases	30 LPM	0700 016 999
Optiflow™, for altop w.quick connector	British	Quick Connectors	Argon/Mix Gases	30 LPM	0700 017 000
Optiflow™, ar/mix s/e nevoc	British	NEV OC inlet G 3/8" Outlet RH	Argon/Mix Gases	30 LPM	0700 017 001

XA00166320 ESAB reserves the right to alter specifications without prior notice



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COMPANY WITH  
MANAGEMENT SYSTEM  
CERTIFIED BY DNV  
= ISO 9001 =  
= ISO 14001 =  
= OHSAS 18001 =