

This website uses cookies to improve the user's experience during working with our network and to provide users with dedicated services and functions. By further use you agree with that.OKDetails

Indirizzo	Linde Gas [AGA AB] Agavagen 18181 Lidingö
Nazione	Svezia
Telefono	0046 8 7311000
Fax	0046 8 7676344
Internet	www.aga.com

REFERENTE

Contact 1.	Reparto di Sales Phone:
Contact 2.	Sig. Hans Conradson

PRODOTTI O MACCHINARI

Glass Melting

Using oxygen to optimise glass melting processes and comply with increasingly strict legislation

melting glass with oxyfuel

Using oxygen instead of air in glass combustion processes offers a number of benefits. It eliminates the nitrogen ballast and therefore increases flame temperatures. Oxygen-enriched solutions also raise the concentration of CO₂ and H₂O in the vicinity of the flame. And since these gases are mainly responsible for thermal radiation, they make gas jets more efficient.

There are a variety of ways to increase combustion efficiency when melting glass. These include:

- All-oxyfuel
- Oxyfuel boosting
- Oxygen enrichment/lancing.

We offer a range of oxygen-based combustion solutions. These innovative technologies bring a host of benefits, including:

- Reduced emissions/CO₂ footprint
- Energy savings
- Increased productivity
- Improved glass quality
- Elimination of nitrogen ballast
- Improved heat transfer.

Burner Technologies

Deployed correctly, burners help control heat input more accurately, improve glass circulation and enhance batch melting. You can combine our burners with oxygen lances to increase your melting capacity further. We offer a range of burners tailored to individual applications.

Supporting Services

We offer fast, efficient delivery and support services to keep your furnace running with virtually no interruptions and help prolong its service life. Our oxyfuel service also enables you to continue production during regenerator or recuperator repairs by eliminating the need for a heat recovery device.

STORIA

The glass industry is shaped by various market, technology and environmental trends. Although endless recycling makes glass an environmentally friendly packaging option for many manufacturers, there is growing pressure to reduce the carbon footprint of glass manufacturing and recycling processes.

This is reflected in increasingly strict legislation, forcing glass furnace operators to cap emissions – with attention focusing on nitrogen oxides (NOx) in particular. Because of the health and environmental risks associated with NOx, European legislation, for instance, has set new threshold values that lie significantly below the current emission levels in many furnaces.

In addition, glassmakers are increasingly challenged to control or reduce furnace, raw material and energy consumption costs and increase pull rates. High raw material prices are also prompting many glass manufacturers to increase their share of recycled materials.

The Glass Experts

Industrial gases are an extremely effective way of meeting today's glass production challenges – helping you to increase furnace pull rates, enhance the quality of the final product and reduce emissions.

We work closely with leading glass manufacturers across the globe to help find the optimum answer to the complex equation between energy conservation, productivity, quality and emissions. Leveraging the latest gas-enabled technologies, we also pioneer various process innovations to help you realise your individual targets. Our expertise covers all glass types from float and solar through specialty and fibre to container and art & tableware.

Drawing on our proven capabilities across the entire glass spectrum, we support and advise you at all stages of the solution lifecycle. Our complete packages include:

- Full technical evaluation of existing plant
- Feasibility studies
- Individual development projects
- On-site trials and demonstrations
- Glass modelling with computational fluid dynamics (CFD) and mathematical modelling (GS®)
- Complete hardware infrastructure
- Installation, commissioning and process optimisation
- Training
- Extensive after-sales service (consulting, safety, auditing and training).

Company Profile of **Linde Gas**

A service of glasssglobal.com, an affiliate of glasssglobal group.

Il materiale informativo del sito è registrato ed appartiene all'azienda o ai terzi che lo hanno fornito e tutti i diritti sono riservati. Qualsiasi utente che accede a tale materiale può farlo solo ad uso personale e ne è anche responsabile. Ridistribuzione o altro uso commerciale di tale materiale è espressamente proibito. Nel caso in cui il materiale sia stato ceduto da terzi, l'utente concorda di rispettare questi termini di utilizzo specificati. Glass Global non garantisce la veridicità o l'esattezza del contenuto di alcuna informazione o di siti web esterni menzionati nelle stesse. www.glasssglobal.com - The International Portal to the Glass Industry - OGIS GmbH