



**The industrial strength gas that  
delivers safely at all times**

Orders and enquiries:  
Afrox Customer Service Centre  
tel: 0860-02-02-02  
fax: 0860-02-02-01  
email: customer.service  
@afrox.boc.com

[www.afrox.com](http://www.afrox.com)

 **AFROX**  
**Handigas**

## Industrial strength gas that delivers safely at all times

Handigas is a modern and extremely versatile flammable fuel that is non-toxic and when used in gas fired processes produces only clean products of combustion and moisture.

In line with the stringent local and global Safety, Health, Environment and Quality standards in the Linde Group, every action relating to Handigas consciously sets out to satisfy local authority and national regulatory frameworks. These include committed compliance to relevant OH&S requirements, as well as to SANS and ISO standards.

From this foundation, Handigas produces instant energy under controlled conditions and consistently maintains the correct levels of output, large or small, to meet the varying demands of every process.

Handigas is safely at work in busy retail malls and resorts, as well as in many bush hide aways. In industrial heating processes when demand for continuous energy is critical, Afrox has the capacity to deliver around the clock and across the country.

## The energy to tap our expertise

Afrox harnesses its solid gases engineering expertise to provide a comprehensive project management service during the installation and commissioning of each Handigas system. Working in terms of Best Operating Practice skilled, specialised staff ensure each installation meets process supply requirements while satisfying all local authority and national regulatory standards and requirements.

## The energy to be in control

Afrox adopts a prudent approach to the design and operation of LPGas installations. This includes comprehensive hand over procedures to new Handigas installations. Initial operator and supervisor training is then supported by on-going planned maintenance programmes and periodic site safety audits.

## The energy to contain in a crisis

At Afrox the focus is on incident free operation. This is built on a no-compromise approach to operational integrity and a strict policy of LPGas containment – in line with the stated Afrox values on safety.

Passive fire protection systems, unique in South Africa, are used on bulk storage vessels and road tankers. These systems extensively extend the safety window in the event of an incident. As an alternative, water deluge systems are also used. When necessary, mounded vessels offer enhanced protection and reduce safety distances. In every case isolation valves and excess flow valves are fitted to bulk vessels to ensure operational integrity.

## The energy to meet any demand

Each fully-integrated Handigas reticulation system is custom designed to suit the application. Regulators, vaporisers and reticulation systems combine correctly to meet demand draw off at every site and to supply appliances and processes at the specified pressure.

