

AFROX Handigas Afrox Outlets

Gauteng

Alrode	(011) 868-1071
Benoni	(011) 914-3329
Boksburg	(011) 892-2956
Booyens	(011) 493-1717
Brakpan	(011) 740-0400
Carletonville	(011) 787-4168
Factoria Gas & Gear	(011) 955-6463/6533
Ferndale	(011) 793-2851
Germiston	(011) 820-5425
Jeppe Gas & Gear*	(011) 624-2317
Kya Sands	(011) 462-3685
Midrand	(011) 315-0263
Olifantsfontein	(011) 316-4953
Pretoria	(012) 380-0200
Randfontein	(011) 692-1901
Rodepoort Gas & Gear*	(011) 858-9507
Rosslyn	(012) 541-0269
Silvertondale	(012) 804-7854
Soweto*	(011) 980-7273
Spartan Gas & Gear	(011) 392-3661/0
Spring's Gas & Gear	(011) 362-2353/55
Wadeville	(011) 827-5970
Wynberg Gas & Gear	(011) 262-4941/4043
Vanderbijlpark	(016) 986-0174
Vereeniging	(016) 455-1592

Mpumalanga

Ermelo	(017) 811-2450
Hazyview	(013) 737-7782
Highveld Steel	(013) 659-7674
Klarinet	(013) 656-5225
Middleburg	(013) 246-2921/4
Nelspruit	(013) 753-2971/2
Sasol Secunda	(017) 610-8230
Trichardt	(017) 638-0056/7
Witbank	(013) 656-2311

Limpopo province

Burgersfort*	(013) 231-7020
Hoedspruit*	(015) 793-0214
Jane Furse*	(013) 265-1326
Louis Trichardt/Mokado	(015) 516-4106
Phalaborwa	(015) 781-2221/2
Polokwane	(015) 297-3739
Mokapane	(015) 491-6876
Tzaneen	(015) 307-3188
Venda	(015) 964-3710

North West Province

Babelegi	(012) 719-8600
Brits	(012) 252-4615
Klerksdorp	(018) 462-5755
Mafikeng	(018) 381-0175
Potchefstroom	(018) 297-1702
Rustenburg Gas & Gear	(014) 596-5072

Kwazulu Natal

Empangeni	(035) 787-1351/2
Jacobs	(031) 468-6327
Newcastle	(034) 375-7861
North Coast Road Gas & Gear	(031) 564-0622
Pietermaritzburg Gas & Gear	(033) 342-9186
Pinetown	(031) 701-1231
Pongola	(034) 413-2301
Port Shepstone	(039) 682-0330
Richards Bay	(035) 789-1309
Stanger	(032) 551-4356
Umbilo Road Durban	(031) 202-3140

Free State

Bethlehem	(058) 303-6912
Bloemfontein	(051) 406-0500
Qwa Qwa	(058) 713-1401
Welkom	(057) 391-4732

Eastern Cape

East London	(043) 731-1511
East London Gas & Gear	(043) 743-5618
King Williams Town*	(043) 642-1306
Port Elizabeth Regional office	(041) 486-1200
Port Elizabeth Gas & Gear	(041) 451-2184
Uitenhage	(041) 992-3395
Umtata	(047) 531-1769

Western Cape

Cape Town Gas & Gear	(021) 530-1000
George	(044) 802-8812
Kuils River	(021) 906-1311
Maitland	(021) 593-8583
Montague Gardens Gas & Gear	(021) 551-8100
Paarden Eiland Gas & Gear	(021) 511-2196
Paarl	(021) 862-6197
Stikland	(021) 948-4710
Strand Gas & Gear	(021) 854-7540
Vredenburg	(022) 713-2277/8
Vredendal	(027) 213-1717
Worcester Gas & Gear	(023) 342-2474/5

Northern Cape

Kimberley	(053) 833-2582
Postmasburg	(053) 313-1136
Springbok	(027) 712-1181/0
Upington	(054) 332-1803

Trading Times in Gauteng, Mpumalanga,
Northern Porvince & North West Porvince:
Mon - Thurs 8-16:30, Fri 8-16:00, Sat* 9-1

Trading Times in Eastern, Western &
Northern Cape: Mon - Fri 8-16:30, Sat*

African operations available in the following
countries:

Botswana

Gaborone	(09267) 390-5030
Francistown	(09267) 21-2553
Phalapye	(09267) 492-1372

Lesotho

Maseru	(036) 637-2442
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Namibia

Windhoek	(09264) 61 22-5681
Tsumeb	(09264) 67 22-0042
Walvis Bay	(09264) 64 20-5818
Oshakati	(09264) 65 22-1853
Rundu	(09264) 66 25-6050
Rosh Pani	(09264) 63 27-4585

Swaziland

Matsapa	(09268) 518-5244/5
Mbabane	(09268) 404-4417

Zimbabwe

Bulawayo	(09263) 963491/2/3/4/5
Harare	(09263) 4-755768/9

**For details of additional
outlets please call the
Afrox National Call Centre
on 0860 02 02 02**

Welcome to the
Wonderfuel World of
HANDigas!





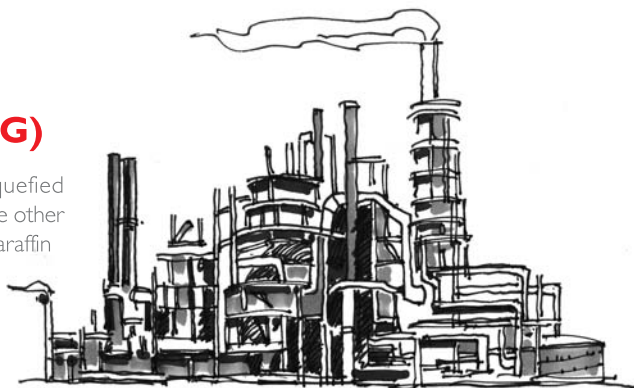
HANDIgas • Quicker • Cleaner • Longer Lasting

The gas for all seasons.



What is HANDIgas (LPG)

Handigas is the brand name for the Liquefied Petroleum Gas (LPG) sold by Afrox, which like other petroleum fuels such as Petrol, Diesel and Paraffin is refined by the major oil refineries. LPG is the cleanest burning of all these liquid fuels. Handigas is an extremely compact fuel and our extensive distributor network contributes to the wide spread presence of Handigas, making it convenient for you to buy your LPG.



From 0°C to 1970°C in less than 0.010 seconds

The gas is stored under pressure in its liquid form in the cylinder. The fact that LPG liquefies under pressure makes Handigas a highly portable, versatile and efficient energy source. It is also environmentally friendly and is clean burning. The blue Handigas flame gives instant heat in every situation, and when the gas is lit, the flame temperature goes from 0°C to 1970°C in less than 0.010sec. and it also goes from 1970°C back to 0°C instantly, leaving every other combustible energy in its haze.

While Handigas is stored under pressure in very strong gas cylinders, the pressure in the gas cylinder is not much more than the pressure in domestic water pipes. But water is not a flammable energy and gas is, so we must always ensure that gas cylinders are used correctly.



Fixed Gas Appliance Installations:

Like all electrical installations, it is legally required that fixed LPGas appliances are fitted and piped to a gas cylinder or cylinders outside and they must be installed by a certified LPGas installer. If you are in doubt or require further information about installers, ask your Handigas supplier or the supplier of the gas appliance.



Connecting your Gas Cylinder to an Appliance

When connecting your gas appliance to the gas cylinder, always ensure that the connection is made correctly and is gas tight. A smell of gas will be detected if the connection is not tight. All gas appliances have rubber or fibre washers to seal the gas tightly at the point of connection to the gas cylinder. Always check that this washer or seal is in place and in good condition. The rubber or fibre seals do wear and need to be checked and replaced from time to time.

The HANDIgas Way of Life

The Quick, Clean and No fuss way to a new lifestyle:

- Cooking - has never been so tasty
- Heating - has never been so cosy
- Hot water - is always on tap
- Braaing - well, it is the 21st century
- Camping - come rain or shine
- Hiking - on the highest mountain

The go anywhere energy that's as good indoors as it is out.





Trying to unblock a gas jet is not advisable!

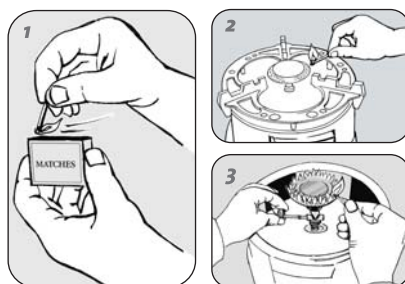
The Equipment Check List:

1. Always read and understand the manufacturer's instruction booklet.
2. Ensure that the appliance you purchase conforms to the SANS 1539 Standard and that it carries the LPGSASA (Liquefied Petroleum Gas Safety Association of Southern Africa) - Safe appliance mark.
3. The LPG hose is neoprene rubber and must be SABS approved.
4. Correct size hose - 8mm, to fit the gas connection of the appliance.
Hose must always be in good condition, never perished or split, not kinked or tightly coiled.
5. The correct size Jubilee clamps or "O" clips must be used and not be over tightened.
6. Gas jets, which have tiny holes, are used to control the gas flow to the burner or heater and are sized specifically for each individual appliance. Gas jets can get dirty or blocked and will affect the performance of the appliance. If this occurs the jet/jets must be replaced.

When Handigas burns correctly, the flame is blue with a light yellow/ orange tip. A poor flame would be very yellow in colour, lazy and sometimes even give off a sooty smoke, indicating that the gas flow is incorrect, or that the appliance is faulty. Check the appliance by following the instructions supplied to correct the problem. Sometimes a blocked jet may need to be replaced. Trying to unblock a gas jet is not advisable as the hole in the jet is very small and any damage to the hole will change the flow of gas. A new jet is always advised.

Some HANDI Tips

1. When lighting gas appliances that don't have auto-ignition:
First light the match or lighter, hold it to the gas burner, and open the gas. The gas will ignite immediately and the flame temperature goes from 0°C to 1970°C instantly.
2. To adjust the flame, turn the control as required.
3. The Handigas flame should be stable and a clean blue colour with orange tips.
4. To make sure fresh air is always available, have a window slightly open when using gas appliances, even in cold weather.
5. Always shut off gas supply when the appliance is not in use.
6. It is very important to keep the gas jets clean. Before connecting the appliance to the gas cylinder, make sure that the valve is free of dirt and dust.



HANDIgas is safe & simple to use.



Checking the Condition of the Gas Cylinder

The condition of all Handigas cylinders is carefully checked before and after each cylinder is filled. Checks are also done to detect any possible leaks before the cylinder is sealed and transported to the market.

When purchasing a full cylinder of gas always check that:

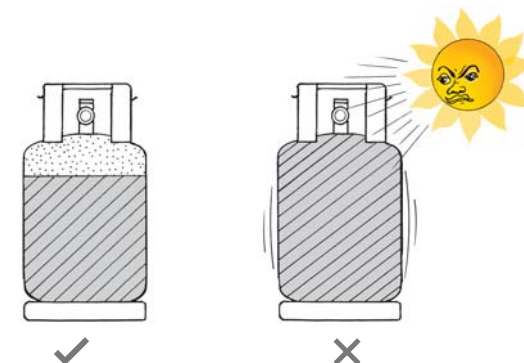
- the valve on the gas cylinder is tightly closed and sealed
- the cylinder is in good condition and is not dented, rusted or damaged in any way
- the cylinder is not faulty - if it is, ask for another and request that the faulty cylinder is returned to Afrox

Gas cylinders are never filled to the top because the gas is in the liquid form in the cylinder. Like water, liquid gas expands when it's hot and contracts when it's cold and this expansion and contraction is 10 times that of water. Therefore when you receive your "full" cylinder it is not "filled to the top", but is filled to the 80% mark.



Safe Cylinder Storage

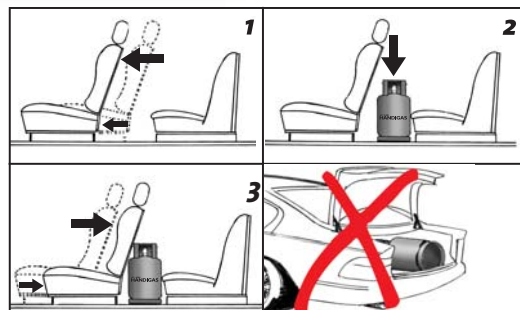
Handigas is stored under pressure in specifically manufactured pressure containers called gas cylinders. But if the cylinder was filled to its full capacity and left in the sun, the liquid gas would not have space to expand as it heats up. This would damage or even rupture the cylinder. Therefore Handigas cylinders are always filled to the correct mass (weight of gas you buy) i.e. 9kg in the 9kg cylinder, 19kg in the 19kg cylinder and so on. You can safely store full cylinders for a very long time under the correct conditions.





Transporting HANDIgas is as simple as 1,2,3.

Transporting, Storing and using gas

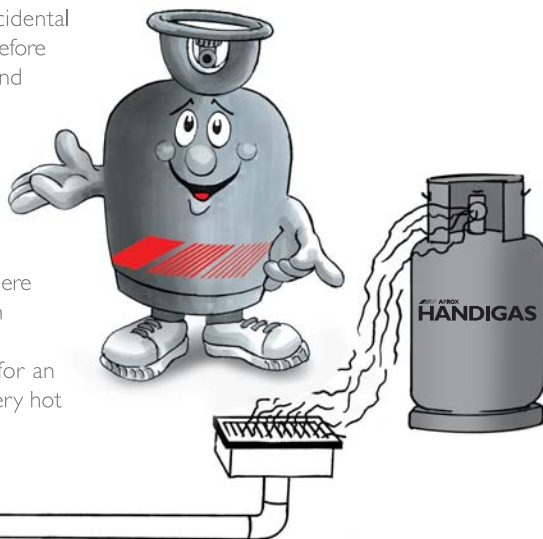


When transporting, storing and using gas, it is important to remember that LPG is in a liquid form in the cylinder; and that gas is heavier than air. Gas cylinders are always transported, stored and used in the upright position on a firm surface. If gas leaks from a cylinder that is lying down, the liquid gas will leak 275 times more gas. If the gas cylinder can't stand up securely, for example in the boot of the car, always transport your cylinder inside your car, behind the passenger seat, pushed up tightly against the back seat. This way the cylinder won't fall over while you are driving.

Due to LPG being heavier than air, any accidental release of gas will sink to the lowest point. Therefore cylinders are always kept away from drains and confined areas.

For safety purposes always store gas cylinders:

- Away from drains and confined areas, preferably on a firm surface, in a well ventilated area
- Away from any source of irrigation
- Away from any hot surface or fire places where the cylinder would be exposed to very high temperatures
- Don't leave the gas cylinder in your car for an extended period, particularly when it is very hot



Checking for possible gas leaks.

Checking for leaks

While Handigas is not poisonous, if there is a leak, it does displace the air we need to breathe. If there is a smell of gas it is important to handle the situation immediately. Firstly, shut off the gas at the cylinder valve, then move the cylinder outdoors and open all doors and windows to ventilate the room. By using a soapy water solution, (dish washing liquid and a sponge or brush) check the valve on the cylinder: If no gas is leaking, connect the cylinder back onto the appliance, open the gas cylinder and smell for gas, while simultaneously applying the soapy solution to the regulator connection at the cylinder valve. The soapy solution will bubble if gas is leaking. Then check all the gas connections on the appliance, and try to isolate any leaks. Should the leak persist, take the gas appliance to your local gas agent or contact Afrox on 0860 02 02 02 for assistance. If the gas cylinder is leaking return it to your Handigas distributor.

NEVER use a match or lighter to check for leaks!

