

Training and Registration of Autogas Installer/Fitter

1. In line with the Pressure Equipment Regulations all Autogas Installer/Fitter must be trained and registered with SAQCC Gas.
2. LPGSA offers Autogas Installation Course to qualifying candidates.
3. The Autogas Installers are permitted to carry out installations, conversions, and repairs on Autogas systems in motor vehicles operating on LPGas as per SANS 10087-6 and the Occupational Health & Safety Act (OHSA).
4. Contact LPGSA for Autogas conversion and cylinder related courses. Email: Training@lpgas.co.za

Autogas Installer candidate:

All Autogas Installer candidates require the following compliance documents to be eligible:

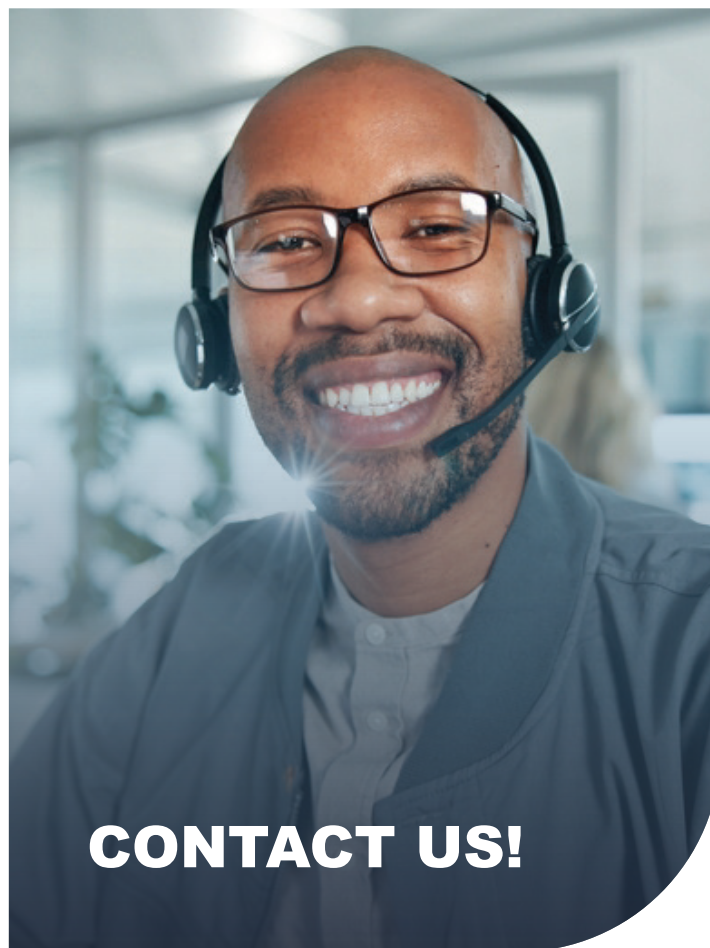
- Letter from Employer/Sponsor with approved compliant workshop or Proof of access to approved compliant workshop.
- NQF 2 (Grade 10) with English and Mathematics.
- 12 Months experience working on motor vehicles.
- Written proof of experience (CV), previous certificates and Valid driver's licence.
- Qualified trade (Motor mechanic /Auto electrician) or related qualifications.

About LPGSA

LPGSA is a non-profit industry association mandated by the Department of Employment and Labour to oversee various aspects of the LPG industry. Its primary mandate is to promote the safe and compliant use of LPG and LPG appliances in South Africa. LPGSA offers a range of courses:

Education & Training Courses offered:

- Residential Installer
- Residential Practical POE Training
- Commercial Installer
- Industrial Installer
- Autogas Installation & Conversion
- Road/Rail Tanker Maintenance
- Cylinder Filling
- Autogas Filling
- LPG Safety Courses



CONTACT US!

LPGSA OFFICE

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Education & Training



Autogas Conversions and Filling Business Guide

The Occupational Health & Safety Act mandates that



All businesses must ensure the safe conduct of their operations in compliance with the law. Consequently, the Act encompasses the Pressure Equipment Regulations (PER), which outline specific requirements for the design, manufacture, installation, operation, repair, modification, inspection, and testing of pressure equipment.

These regulations pertain to pressure equipment with a design pressure equal to or exceeding 50 kPa and are guided by the applicable health and safety standards incorporated into the Regulations under Section 44 of the Occupational Health and Safety Act.

LPGSA promotes business development by advocating for adherence to best business and safety practices. As LPGSA, we do not currently have the authority to issue licenses or permits for refilling or distributing LPG. However, we are actively working towards expanding our mandate to include these responsibilities.

Autogas is the application of LPGas engine fuel for internal combustion engines.

Autogas Paradox

- Autogas is **clean (environment)**
- Autogas burns **clean (impact on the engine)**
- Autogas is **available**
- Autogas is **affordable**
- Autogas can rely on **existing infrastructure**
- Autogas can help **improve air quality and reduce emissions, today**
- Autogas can be **combined with electric drive trains**
- In many cases, **Autogas needs no incentives** beyond lower duties
- No hot potato: **Autogas does not pass on emissions to power generation sector**



Autogas Conversion Site/Workshop:

All Autogas conversion site/workshops require the following compliance documents and certification prior to operating:

- Valid Fire Dept Flammable Substance certificate (FSC) – should there any flammable substances stored or used on the premises
- Signed and approved local Fire Department and municipal approved plans
- Register of updated and serviced Fire safety equipment
- Electrical Certificate of Conformity (CoC) issued by a Master Electrician for electrical equipment utilised during the conversion process
- Proof of filling site where converted vehicles will be filled during the testing phase of the training (refer to Autogas Filling Site requirements)
- Valid Certification for the Safety Officer at conversion site/workshop
- Conversion kit specifications and catalogue (this is for the trainer)

Autogas Filling Site:

All Autogas cylinder filling sites require the following compliance documents and certification prior to operating:

- Valid Fire Dept Flammable Substance certificate (FSC)
- Signed and approved local Fire Department and municipal approved plans
- Register of updated and serviced Fire safety equipment
- Certificate of Conformity (CoC) issued by a registered LPG installer for the filling equipment installation. This includes the bulk tank installation where applicable as per SANS 10087-3 and 10087-7.
- Valid Filling equipment calibration certificates
- Electrical CoC issued by a Master Electrician for electric equipment installed
- Valid training Certification of Autogas Filler(s), if previously trained.

Autogas Conversion kits

All Autogas kits need to adhere to the requirements of European Commission (EC) standards relating to Autogas conversions on vehicles, to be acceptable for use in South Africa. In addition, the kits and fitment processes must adhere to the standard below.

ISO 20766 - Road vehicles — Liquefied petroleum gas (LPG) fuel systems components

The standard specifies general requirements and definitions of liquefied petroleum gas fuel system components, intended for use on the types of motor vehicles as defined in ISO 3833. It also provides general design principles and specifies requirements for instructions and marking.

SANS 20067 - Uniform provisions concerning:

- I. Approval of specific equipment of motor vehicles using liquefied petroleum gases in their propulsion system.
- II. Approval of a vehicle fitted with specific equipment for the use of liquefied petroleum gases in its propulsion system with regard to the installation of such equipment

SANS 10087-6 - Application of LPG as engine fuel for internal combustion engines.

SANS 10019 - Transportable pressure receptacle for compressed, dissolved, and liquefied gases basic design, manufacture, use and maintenance.