



# gasfill HOME

HOME REFUELLING APPLIANCE FOR CNG CARS AND VANS



# A Growing Trend Compressed Natural Gas (CNG)

## What is CNG?

CNG is Compressed Natural Gas. Like electricity, natural gas is distributed to many homes and used for cooking and heating purposes. However, natural gas is also an excellent vehicle fuel.

## Vehicles that use CNG as a fuel

CNG fuelled cars and vans drive in the same way as conventional petrol and diesel vehicles. The vehicles are normally bi-fuel with CNG as the main fuel and petrol as a back up. If you ever run out of CNG, the vehicle automatically reverts back to petrol to get you to the next CNG refuelling point.

CNG refuelling is similar to that of liquid fuels. A fuel hose is connected to a unique fuel coupling behind the filler cap and the CNG is pumped into the vehicle fuel tanks. Typically, a full tank of CNG provides a vehicle range of at least 200 miles.

## A safe solution

Safety is paramount and the CNG fuel tanks are enormously strong and safe, allowing the natural gas to be stored at 200bar. In addition, unlike liquid fuels, CNG is lighter than air and if spilt disperses quickly to the atmosphere.

**Today, over 15 million vehicles worldwide use CNG and the total is rising rapidly.**

Existing petrol cars and vans can be converted to run on CNG, but increasingly new build CNG vehicles are becoming available from leading vehicle manufacturers including Mercedes Benz, Volkswagen, Honda, General Motors and Fiat.

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## CNG Home Refuelling Appliance

The new gasfill HOME refuelling appliance with unique compression technology offers a safe, affordable and environmentally friendly alternative fuel to road users.

The new gasfill HOME refuelling appliance allows you to fuel your CNG vehicle at home.



### Using the appliance couldn't be easier!

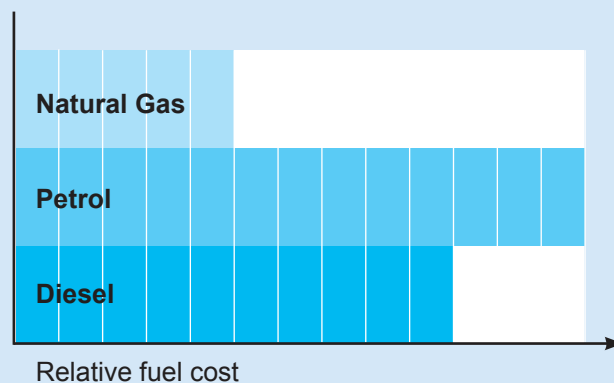
- Operates from a normal domestic household gas and electricity supply
- Simple to install
- Designed for floor or wall installation, inside or outdoors
- Simply connect the appliance's flexible fuel delivery hose to the vehicle and switch on
- Slowly fills the CNG fuel tanks while the vehicle is parked in readiness
- Leave unattended to refuel the vehicle - it will automatically switch off
- Low maintenance
- Complies with demanding safety standards

## Convenient

- Use the gas that you cook and heat with
- No more queuing at petrol stations
- Simple to install
- Easy to operate
- Fill at home
- Fill anytime – day or night
- Fill all the cars in your family

## Cost Effective

- Save up to 60% on your fuel costs
- Save costs on engine maintenance



## Clean

- CNG is the cleanest burning fossil fuel
- CNG fuel leads to less engine wear
- CNG engines have low tailpipe emissions
- CNG reduces CO<sub>2</sub> emissions by 20%



# Technical data

gasfill HOME CNG refuelling appliances use state of the art technology incorporating a unique 3 stage oil-free compressor design patented by gasfill Limited.

The technology offers a safe, affordable and environmentally friendly alternative fuel to road users.

Technical Data	
Output	2 m <sup>3</sup> /hr
Power supply	Single phase domestic (240V)
Inlet pressure	21 mbar
Outlet pressure	200 bar
Size	990mm x 600mm x 360mm
Weight	155 kg
Noise level	55 dBA @ 5 metres
Fill Nozzle	NGV 1
Power use	0.65 kWh/m <sup>3</sup>
Low maintenance	Oil-free



## Who are gasfill?

We are based in Leicester in the UK and were formed with the intention of bringing to market a global, low cost compression technology for refuelling cars and vans with CNG that can be used anywhere in the world where there is a supply of natural gas and electricity.

**For further information, call +44 (0)1789 751337**



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