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Volkswagen gives some gas with new TGI models

- **Polo TGI and Golf TGI: A third natural gas fuel tank increases range in natural gas-only mode**
- **Added driving pleasure thanks to Golf's new 1.5 litre TGI four-cylinder engine (96 kW / 130 PS)**
- **Significant reduction in emissions by fuelling with biogas produced with regeneration processes**
- **New natural gas-powered TGI models are available to order now**

Wolfsburg (D) – Volkswagen has completely overhauled its natural gas models and is equipping its Polo and Golf TGI²⁾ with a third natural gas tank. This allows the Polo TGI¹⁾ to now travel up to 60 kilometres further in pure CNG mode than its predecessor. The gain in range in the Golf TGI is up to 80 kilometres. In the Golf, a new 1.5 litre TGI four-cylinder engine with 96 kW / 130 PS ensures that none of the driving pleasure is lost. Driving with natural gas significantly reduces CO₂ emissions because the combustion of CNG generally produces less CO₂. An even better CO₂ balance can be achieved by fuelling with biomethane or e-gas. Biomethane is extracted from plant residues; e-gas is produced from surplus green energy (power-to-gas), which are added to the fuels.



Polo TGI with new tank system

Anyone who already drives a CNG vehicle (CNG = compressed natural gas) also benefits from comparably low fuel prices in many countries. In Germany, for example, the cost saving compared to a diesel vehicle is currently 20 per cent, or 40 per cent compared to a petrol vehicle. Understandably, drivers of natural

gas vehicles only want to use petrol in exceptional cases. Volkswagen has therefore equipped its natural gas models of the Polo TGI and Golf TGI with a third natural gas tank made of specially coated, high-strength steel. The Golf's tank has a volume of 23 litres and increases the total CNG tank volume to 115 litres, or 17.3 kg respectively, which offers a range of up to 422 kilometres in WLTP.

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On the Polo with 1.0 three-cylinder engine (66 kW / 90 PS) the additional tank carries 16.5 litres and extends the natural gas storage to 91.5 litres in total, or 13.8 kg respectively, meaning that the Polo can travel up to 368 kilometres on CNG in WLTP. As a back-up, both models come with a petrol tank – albeit a much smaller version.

For improved driving dynamics and efficiency, the Golf TGI comes with a new 1.5 litre four-cylinder engine, which is powerful, efficiency and environmentally friendly. Proof of this comes from its fuel consumption of just 3.6 kg – 3.5 kg natural gas over 100 kilometres, and CO₂ emissions of just 98–95 g/km. The new 1.5-litre TGI engine in the Golf uses the innovative TGI Miller combustion process with a high compression ratio of 12.5:1, to increase efficiency and decrease CO₂ emissions. A turbocharger with variable turbine geometry increases the boost pressure, adding more air into the cylinders. This allows the 1.5-litre TGI engine to accelerate powerfully at any time from low speeds.

Driving on natural gas is not only good for your wallet, it is also good for the environment. Compared to petrol or diesel, natural gas contains a significantly higher amount of energy and a lower carbon fraction. This means that driving in CNG mode produces around 25 per cent fewer CO₂ emissions than with petrol. What is more, natural gas generally combusts with less emissions than petrol or diesel. The exhaust gas contains significantly less carbon monoxide and nitrous oxide (NO_x), while the fraction of soot or fine particles is minimal.

¹⁾ Polo TGI natural gas (CNG) consumption in kg/100 km: urban 4.4–4.1 / extra-urban 2.9–2.7 / combined 3.4–3.2; CO₂ emissions in g/km: 93–88; efficiency class: A+

²⁾ Golf TGI natural gas (CNG) consumption in kg/100 km: urban 4.7–4.5 / extra-urban 2.9 / combined 3.6–3.5; CO₂ emissions in g/km: 98–95; efficiency class: A+

About the Volkswagen brand: “We make the future real”

Volkswagen Passenger Cars operates in more than 150 markets worldwide and produces vehicles at more than 50 locations in 14 countries. In 2018, Volkswagen produced around 6.24 million vehicles, including bestsellers such as the Golf, Tiguan, Jetta and Passat. Volkswagen has a current workforce of 198,000 employees around the globe. Added to this are more than 7,700 dealerships with 74,000 employees. Volkswagen is forging ahead consistently with the further development of automobile production. Electric mobility, smart mobility and digital transformation of the brand are the key strategic issues for the future.
