

CNG@HOME

COMPRESSED NATURAL GAS HOME REFUELLING APPLIANCES

For the first time, Australian motorists can now fill their vehicles at home using clean, safe, inexpensive, *Australian* natural gas. OES CNG has developed a revolutionary home refueler that means freedom from the spiraling fuel costs resulting from our dependence on oil from the Middle East. This system, developed in Australia uses only a standard domestic power supply and offers faster refueling than any other unit on the market.

Benefits of Using CNG

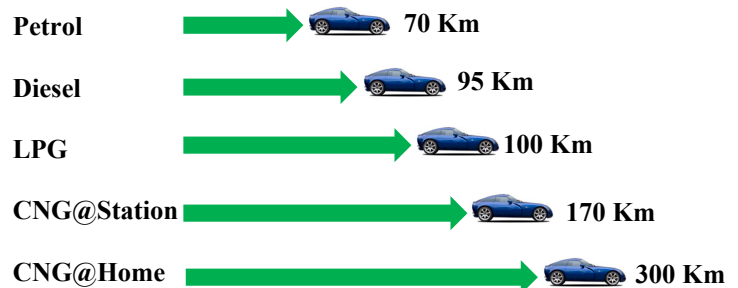
- Up to 65% reduction in running costs
- Up to 80% reduction in emissions of hydrocarbons and CO, 25% reduction in CO2 and 30% reduction in NoX
- 25% less carbon tax to petrol
- 60% less carbon tax to coal powered electric
- 100% less Middle East war tax
- Unlimited supply for over 300 years
- CNG is the SAFEST of all fuels to use in vehicles. It is safer than Petrol, Diesel and LPG. CNG is lighter than air and has low flammability limits and requires high ignition temperatures
- CNG storage cylinders meet the highest international safety standards and are subjected to gunfire, bonfire, explosion, pressure and drop tests before they are approved for use



Benefits of CNG@HOME

- Fill up at home
- Fast fill option (HRA2) provides up to 75% fill in 5 minutes
- Simple installation, only a residential gas supply line and standard 240V electrical supply needed
- Return on investment less than 2 years, based on 55,000kms annual usage by one or more CNG vehicles
- Safe operation
- Simple to use
- Compact size
- Free yourself from volatile petrol pricing
- 'NO' EXCISE TAX

How far you can travel with different fuels for \$AU10.00*:



*Assuming vehicle uses 10L/100km of Petrol

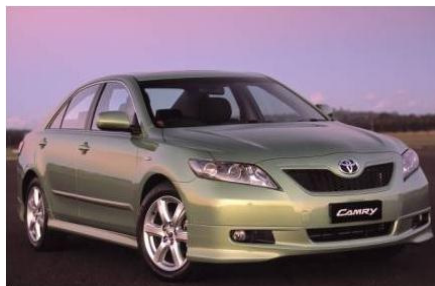
Petrol : \$1.42/Litre

LPG : \$0.76/Litre

Diesel : \$1.50/Litre

CNG@Station : \$0.52/Litre Petrol Equivalent

CNG@Home : \$0.27/Litre Petrol Equivalent



Fill this Toyota Camry Car

*From home – Cost 2-3 cents per K/M

*From CNG station – Cost 5 cents per K/M



Fill this CNG truck (ISUZU NPR 300)

*From home – Cost 5-6 cents per K/M

*From CNG station – Cost 11-12 cents per K/M

CNG@HOME

MODEL HRA1, HRA2 AND MODEL HRA3

TECHNICAL SPECIFICATION

Model No. HRA1 (Slow Fill) & HRA2 (Partial Fast Fill)

- Output : 6 m³/hour (6.6 litres of petrol equivalent)
- Elec. Motor : 2.2 kW/220-240vAC/1200 rpm/60 Hz
- Operating current 9 amps
- Brushless DC motor with inverter
- Input gas pressure : 0.01 - 0.2 bar
- Output gas pressure : 200 bar
- Time to Fill 60 litre CNG Cylinder: 2.5 hrs
- 75% fast fill in 5 minutes with integral storage
- Dimensions in mm (HRA1): 600x650x800(LxWxH)
- Dimensions in mm (HRA2):600x650x800 (LxWxH)With add on kit 2 x 40L CNG storage cylinders @ 250 bar
- Integrated gas detector and automatic shut down
- Automatic filling process control
- Fully automated operation capability
- Electronic pressure sensor
- Breakaway hose filling coupling
- 6 metre long fill hose with NGV1 fill valve
- Automatic fill control and shutdown
- Temperature compensated filling
- Optional external gas detector



Model No. HRA1 & HRA2

TECHNICAL SPECIFICATION

Model No. HRA3

- Output : 10 m³/h (11 Litres Petrol Equivalent)
- Elec. Motor : 4 kW/220-240vAC/1300 rpm/60 Hz
- Operating current 14 amps
- Brushless DC motor with inverter
- Input gas pressure : 0.01-0.2 bar
- Output gas pressure : 200-250 bar
- Time to Fill 60 litre tank: 1.5 hrs
- 75% fast fill in 5 minutes with integral storage
- Dimensions in mm: 1200x700x900(LxWxH)
- Two x 40L CNG storage cylinders @ 250 bar
- Automatic fill process control
- Fully automated operation capability
- Integrated gas detector and automatic shut down
- Electronic pressure sensor
- Breakaway hose fill coupling
- 6 metre long fill hose with NGV 1 fill valve
- Automatic fill control for the car and storage cylinders
- Temperature compensated filling
- Optional external gas detector



Model No. HRA 3