



# CNG@HOME

COMPRESSED NATURAL GAS HOME REFUELLING APPLIANCES

American motorists can now fill their vehicles at home using clean, safe and inexpensive US- sourced 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 our laboratory in Australia uses only a standard domestic power supply and offers faster refueling than any other unit on the market.

## Benefits of Using CNG

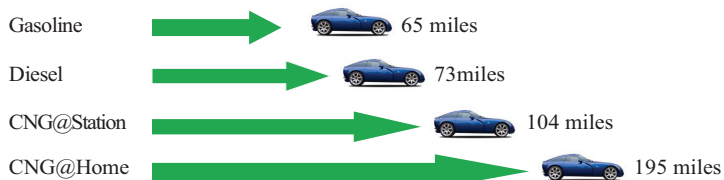
- Up to 65% reduction in running costs
- Up to 80% reduction in emissions of hydrocarbons and CO, 25% reduction in CO2 and 30% reduction in NoX
- 25% less carbon tax to gasoline
- 60% less carbon tax to coal powered electric
- 100% less Middle East war tax
- Unlimited supply for over 300 years
- CNG is the safest of all fuels to use in vehicles. It is safer than Gasoline and Diesel. 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 provides up to 75% fill in 5 minutes
- Simple installation, only a residential gas supply line and standard 200-240V/60 Hz electrical supply needed
- Return on investment less than 2 years, based on 35,000 miles annual usage by one or more CNG vehicles
- Factory Mutual Equivalent Approval for Home Appliance
- Safe operation
- Simple to use
- Compact size
- Free yourself from volatile Gasoline pricing

## How far you can travel with different fuels for \$USD10.00\*



Vehicle consumes 25 mpg of Gasoline  
 Gasoline: USD 3.85/gal  
 Diesel: USD 4.10/gal  
 CNG@Station: USD2.40/ggge (Average Price at CNG stations in USA)  
 CNG@Home: USD\$1.0 – \$1.6/gal Gasoline Equivalent



603 Island Drive  
 Key Largo, Florida  
 33037, USA

Telephone: (781) 763-7264

Telephone: (781) 7 OES-CNG

E-mail: [cng@oes.net.au](mailto:cng@oes.net.au)

E-mail: [info@oes.net.au](mailto:info@oes.net.au)

Website: [www.oes.net.au](http://www.oes.net.au)



Fill this Toyota Camry Car  
 From home – Cost 5 Cents per mile  
 CNG Station – Cost 10 Cents per mile



Fill this CNG truck (ISUZU NPR 300)  
 From home – Cost 8 cents per mile  
 CNG Station – Cost 16 Cents per mile

## TECHNICAL SPECIFICATION

### Model No. HRA1, HRA2 (Fast Fill) & HRA4 (Slow Fill)

- Output HRA1&2 : 3.52 scfm
- Output HRA4: 1.76 scfm
- Elec. Motor : 2.95hp/200-240vAC/1200 rpm/60 Hz
- HRA1&2 Operating current 9amps
- HRA4 Operating current 4.5amps
- Brushless DC motor with inverter
- Input gas pressure : 0.14 – 2.9 psi
- Output gas pressure : 3000/3600 psi
- Time to Fill 70 litre tank HRA1&2: 2.5 hrs
- Time to Fill 70 litre tank HRA4: 5 hrs
- 75% fast fill in 5 minutes with integral storage (HRA2)
- Dimensions in inches (HRA1,2&4) 26x24x32(LxWxH)
- Add on kit 2 CNG storage cylinders with 5.5 GGE storage capacity
- Dimensions in inches (Add on Kit) 40x23x11 (LxWxH)
- Integrated gas detector and automatic shut down
- Automatic filling process control
- Fully automated operation capability
- Electronic pressure sensor
- Breakaway hose filling coupling
- 20 ft long fill hose with NGV1 fill valve
- Automatic fill control and shutdown
- Temperature compensated filling
- Optional external gas detector



**Model No: HRA1, HRA2 and HRA4**  
**Patent Number: 2011101189**

## TECHNICAL SPECIFICATION

### Model No. HRA3

- Output : 5.8 scfm
- Elec. Motor : 5.36hp/200-240vAC/1200 rpm/60 Hz
- Operating current: 14 amps
- Brushless DC motor with inverter
- Input gas pressure : 0.14-2.9 psi
- Output gas pressure : 3000-3600 psi
- Time to Fill 70 liter tank: 1.5 hrs
- 75% fast fill in 5 minutes with integral storage
- Dimensions in inches: 47x27x35(LxWxH)
- 2 CNG storage cylinders @ 3600psi (optional) with 5.5 GGE storage capacity
- Automatic fill process control
- Fully automated operation capability
- Integrated gas detector and automatic shut down
- Electronic pressure sensor
- Breakaway hose fill coupling
- 20 ft 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: HRA3**