

CNG EQUIPMENT

Natural gas is supplied to our stations via pipeline after water vapor, sulfur and heavy hydrocarbons have been removed. It arrives at our stations at pressures between 100 and 150 psi. Our equipment compresses the gas so it can be used by dedicated, bi-fuel and dual-fuel natural gas vehicles.



Gas Inlet

The gas inlet supplies the gas to the system from the pipeline and regulates the gas flow rate.



Dryer

The dryer removes any residual water vapor by condensing it and draining it out.



Compressor

The gas passes through 3–5 stages of compression to achieve target fill pressures.



Storage

Compressors keep the storage tanks full, making fuel available for short fill times.



Dispenser

Dispensers dispense gas from storage and then the compressor.



Customer

Fill times are usually between 3 and 5 minutes depending on the amount of storage at a station.

EMERGENCY INDICATORS AND ACTIONS

Because your safety is our highest priority, we would ask you to please review these safety instructions before fueling and to contact us immediately if you have any additional concerns.



FIRE

Move to a safe place, then call 911

Fires at CNG fueling stations are very rare due to station safety enhancements and natural gas's narrow flammability range. In the unlikely event of fire, please move to a safe place and call 911.



LOUD POPPING SOUND

Push the emergency stop button, then call 1-800-920-1166

Pressure release devices relieve gas pressure buildup, consequently producing a loud popping sound. While this is not an immediate safety concern, please push the emergency stop button and call our 24-hour dispatch team.



VERY STRONG NATURAL GAS SMELL

Push the emergency stop button, then call 1-800-920-1166

If you detect an unusually strong odor of gas, see gas venting, or hear a steady hissing sound, please push the emergency stop button and call our 24-hour dispatch team.

2929 Allen Parkway, Suite 4100
Houston, TX 77002

www.lovesalternativeenergy.com
1-800-920-1166



CNG SAFETY AT YOUR STATION



SIMPLIFYING SUSTAINABILITY

NATURAL GAS SAFETY

Natural gas is a safe alternative fuel with nearly 15 million Natural Gas Vehicles (NGVs) and over 20,000 refueling stations worldwide. It has been used as a transportation fuel since the 1930s but has been more recently developed in response to increasing energy demands and greenhouse gas emissions concerns. The key safety features of CNG include:



DETECTABLE

Odorants detectable at 20% of the lowest ignitable limit are added to make the detection of natural gas possible before it reaches harmful levels.



LOWER IGNITION

Natural gas has a narrow flammability range making it difficult to ignite. It must be at a concentration of between 5% and 15% volume in the air to catch fire.



DISPERSING

Natural gas is lighter than air and will dissipate rapidly rather than pool in one place, greatly reducing fire hazard.



NON-TOXIC

CNG is non-toxic and poses no threat as either a ground or water contaminant.

STATION SAFETY

Station safety is a premeditated and recurring practice. Our technicians act as safety deputies, maintaining safe conditions and reacting quickly if necessary.



ROUTINE INSPECTION

Station technicians routinely inspect and maintain the stations to guarantee the continued operation of station components and safety enhancements.



SAFETY ENHANCEMENTS

Our station engineers have enhanced the station with features that safely control the movement of gas.



AUTOMATED CONTROLS

System controls monitor equipment performance and will automatically shut down a station in the event of unsafe fueling conditions.



REMOTE MONITORING

Our 24-hour dispatch team provides around-the-clock monitoring and support. We can shut down a station and dispatch a technician as needed.

FUELING SAFETY

Your safety is our highest priority. We employ all of the following hose and dispenser features guarantee your safety while you fuel at your station.



BREAKAWAY DEVICES

If a customer drives off with the hose still attached, a breakaway device will cause a one-way check valve to close and cut off the supply of gas.



MANUAL SHUT OFF VALVES

Manual shut off valves can be used to turn off the dispensers and shut off the supply of gas to a hose.



ESD BUTTON

Emergency Shutdown (ESD) buttons are located in several places on site and will cause a station to shut down entirely when pushed.

If you have any questions or if you need to report a problem at the station, please call:

1-800-920-1166