

*n*atural gas



[Burner] Tips For Everyday.

Natural gas simplifies your life because it does so much.

**IT'S IDEAL FOR HOME HEATING, HOT WATER, COOKING, AND CLOTHES DRYING.
IT WILL EVEN RUN A COZY FIREPLACE IN THE WINTER AND YOUR GRILL IN THE SUMMER.**

Just as most professional chefs insist on cooking with natural gas, “everyday” cooks recognize that natural gas offers even heat, excellent temperature control and instant on/off settings for cooking and baking. Today’s natural gas ranges, ovens, cooktops and grills feature high efficiency, easy cleaning and the reliability that natural gas equipment is known for.



Cooking with natural gas – precise control in a stylish package.

DESIGN OPTIONS

The wide variety of natural gas appliances on the market enables kitchen design to dictate appliance choice, rather than the other way around. The most familiar design is the traditional freestanding range, which includes a cooktop and an oven. Built-in ranges can either slide or drop into a space between cabinets.

In many kitchens, the cooktop and oven are separate which means greater flexibility for installation and a two-cook kitchen. An indoor gas grill can also be added as part of the range or as a freestanding unit.

EXHAUST REQUIREMENTS

Although exhaust systems are often not required, it is a good idea to install an exhaust system to eliminate the normal byproducts of cooking such as steam, smoke, grease and heat. Indoor gas grills should definitely have an exhaust system.

For any cooking equipment, a traditional overhead exhaust fan that runs through a wall or ceiling can be used. “Downdraft” exhausting, which is appropriate for an island, uses a fan to draw byproducts down from the cooking surface to the outdoors.



SPECIAL FEATURES COOKTOPS

Natural gas cooktops are made of stainless steel, glass or porcelain-coated steel. Modular cooktops may have a space designed to fit an optional grill, rotisserie or wok. Standard models have four burners, but some models come with two, five or six burners.

Sealed burners are popular because they are much easier to clean than open burners. Many cooktops with sealed burners offer a range of burner sizes.

Certain features make cooktop cleanup easy, such as: removable control knobs; porcelain drip pans under the burners; a glass or porcelain backguard, rather than a painted one; a raised edge around the cooktop to keep spills under control; and corners and edges without seams. On cooktops without sealed burners, look for deep wells to contain spills and a top that opens up for cleaning with two support rods to hold it in place.

Heavy-duty burner grates on some cooktops can support heavy pots. A porcelain coating on both the top and the bottom makes the heavy-duty burner grates scratch- and rust-resistant.

OVEN CLEANING

Natural gas ovens can be cleaned in a number of ways:

- Standard: cleaned by hand, using soap and water or a commercial oven cleaning product.
- Continuously: these ovens have walls that have been treated with a catalyst that oxidizes oven soil while the oven operates at normal temperatures.
- Self cleaning: during the oven's high-heat cycle, temperatures can reach as high as 1,000 degrees Fahrenheit, turning soil into a powdery ash that can be wiped with a damp sponge. Special porcelain enamel and special doors enable self-cleaning ovens to stand up to high heat.

h

omeowners want to integrate natural surroundings into their everyday lives – which often means creating livable outdoor spaces. Natural gas amenities can make outdoor living more fun, more comfortable and safer.



Outdoor living made more enjoyable with natural gas.

NATURAL GAS GRILLS

Everyone from gourmet cooks to people who like to grill hot dogs and hamburgers, enjoy being spoiled by a natural gas barbecue, which receives natural gas from a small pipe, just like other appliances. Natural gas grills are convenient, safe, fast and easy to use.

Unlike propane tanks, which need to be refilled, the natural gas supply is unlimited because it taps directly into the home's natural gas supply.

Installation options suit everyone's lifestyle and pocketbook. Grills can be mounted on a permanent post, built into a brick base or affixed to a cart with a quick-disconnect that enables the grill to be moved out of the way.

NATURAL GAS LIGHTS

Natural gas lights add charm, value and security to residential properties by illuminating yards, driveways, patios, walkways, pools and decks.

Electric lights cannot duplicate the soft, amber glow of gas lights and insects are not attracted to gas lights.

Gas lights can be mounted on posts for patio and front yard installations or wall-mounted for entryways and garages. They require little maintenance and models constructed of copper and heavy aluminum will last for years.



NATURAL GAS POOL AND SPA HEATERS

Homeowners can extend the enjoyment of their pool or spa with the use of a natural gas pool heater. The wide variety of heater options for spas, hot tubs, and pools include gas-fired storage, instantaneous, circulating and immersion systems. Natural gas heaters heat water twice as fast as electric models, reducing the expense of heating a pool or spa.

PATIO HEATERS

Natural gas patio heaters defy weather by extending the enjoyment of outdoor living and dining on patios, decks and spa areas when temperatures are between 50 and 70 degrees. Heaters can be located almost anywhere with post mount, suspension and portable models available.

GARAGE HEATERS

A natural gas garage heater can make routine car maintenance or weekend projects more comfortable during cold weather months. Most natural gas heaters are ventless and do not require a chimney. A single unit is able to warm up to 550 square feet (equivalent to a 2 to 2 ½ car garage). Fuel for the unit comes from the natural gas supply for the home. Models come in two designs: a "blue flame" design that warms the air in the garage, and infrared, which warms the floor and objects before indirectly heating the surrounding air.

SNOW MELT SYSTEMS

Tired of aches and pains from shoveling snow? With a natural gas-fired snow-melting system, homeowners or multi-family building owners can keep sidewalks and driveways clear – even when snow is falling at the rate of an inch per hour.

*N*atural gas clothes dryers can be a popular amenity for households of all income levels because they are economical and come with a variety of useful options.

Have your contractor include a natural gas dryer hookup to your home, giving you the option to hook up to a natural gas dryer now or later at your convenience.



Dry two loads of laundry with natural gas for the same cost as one load with electricity.

HOW NATURAL GAS CLOTHES DRYERS WORK

Natural gas clothes dryers work by moving air through the clothes inside. The dry, heated air from a natural gas burner flows through the clothes as the drum tosses them through the air.

CAPACITY

Natural gas clothes dryers range in size from 24 inches to 29 inches and generally come in three different drum sizes: compact, regular/large and extra large. Almost all are loaded from the front.

- Regular or large gas dryers can handle average family loads, and usually have a drum volume of 5.5 to 7 cubic feet.
- Extra-large gas dryers are designed to handle very large loads and bulky household items, such as comforters. Their drum volume is up to 8 cubic feet.
- Compact dryers require about five square feet of space. They are typically stacked with a companion clothes washer and are ideal for small laundry rooms.



CONTROL SYSTEMS

The automatic termination cycles included in all new natural gas clothes dryers reduce wear and tear on clothing and linens by not over-drying them. A “moisture sensing” cycle measures the moisture left in laundry; while the “temperature sensing” cycle measures the temperature of the air being exhausted to the outdoors.

TEMPERATURES AND DRYING CYCLES

The simplest dryer has only one heat level, but most clothes dryers have from three to six different drying cycles for different types of fabrics and the desired dryness. Some dryers offer a feature that continues to tumble the clothes periodically to keep wrinkles from setting in.

A “delicate” cycle uses lower temperatures for delicate fabrics, while the “air fluff” cycle uses no warm air at all.

On many dryers, the level of dryness desired can be selected. If you want to iron clothes while they are slightly damp, the dryer can be set at that level. If you want to make sure clothes are completely dry, you can set the dryer to produce a very dry load. Natural gas dryers shut off automatically and the heat stops immediately.

EXHAUSTING

Electric and natural gas dryers are required to be exhausted to the outdoors. Clothes dryers should never be exhausted into the home because humid air could cause condensation that might damage the structure.

Dryers can be exhausted from the side, back or bottom. For the most flexibility, a dryer that exhausts from more than one direction should be chosen.

A light buildup of lint on the filter can lengthen drying time by restricting the flow of wet air to the outdoors. Lint filters should be cleaned after every load.

Consumers should check the outside exhaust hood monthly to make sure the exhaust lid opens and closes properly. A lid that remains open allows heated air to escape and cold drafts to enter the home.

h

omebuyers consistently rate fireplaces as a “must have” in consumer preference surveys. Often, many homeowners do not use wood-burning fireplaces, because it can be time-consuming to collect wood, build a fire, tend it, cool it down and clean up the ashes.

Families who already have a masonry fireplace and a chimney can easily upgrade to a gas fireplace, or a new gas fireplace can be installed without a conventional chimney. Natural gas hearth products are so clean – no ash build-up, no sparks or flying embers – that they can be used in areas of the country that have “no burn” regulations for wood fireplaces and stoves in an effort to reduce air pollution.



Basking in the comfort of natural gas hearth products.

GAS FIREPLACES

Gas fireplaces are complete, prefabricated units that contain a gas fire within a metal firebox. They come in a variety of sizes and styles, including see-through, three-sided and traditional fireplace configurations and can be placed along inside or outside walls, under windows, as a peninsula between rooms, in bookcases and media centers or in corners. Because no masonry work is needed, natural gas fireplaces are economical to install.

All natural gas fireplaces feature realistic gas logs with burning flames. Some models are equipped with blower assemblies that increase the amount of supplemental heat available.

A few types of fireplaces are classified as vented space heaters and are given efficiency ratings like furnaces and other types of space heaters. Fireplaces classified as space heaters contain a heat exchanger and a blower or fan to move the warmed air through the room.



GAS LOGS

Gas fireplace logs are constructed of ceramic fiber or concrete with a gas burner underneath. They are crafted to resemble real wood. The gas burner assembly creates a pleasant effect that suggests lively glowing embers. There are two types of fireplace log sets:

- Vented decorative gas fireplace log sets require leaving the fireplace damper open during operations. These sets are primarily for ambience, since only about 10% of the log appliance's heat is retained in the room
- Vent-free log heaters can contribute to heating a room, and can be used with the fireplace damper closed

GAS FIREPLACE INSERTS

Another option for an existing fireplace is a gas fireplace insert. These units can upgrade an inefficient wood fireplace into a good source of extra heat.

An insert is composed of a set of gas logs built into a steel or cast iron box, usually with a fan or blower to move heat into the room. Inserts can fit into almost any existing fireplace and come in a wide variety of styles and sizes.

GAS STOVES

Country, rustic or western-style homes are particularly well suited to gas stoves, which provide warmth with the look of a blazing fire. These units are freestanding, come in traditional and contemporary styles, and are available in vented and vent-free models. Gas stoves offer realistic flames, good heating capacity, high efficiency and an attractive appearance.

OUTDOOR HEATERS

Extend your patio season with a natural gas heater. Natural gas fueled patio heaters produce a large amount of heat instantly upon ignition. With these heaters you can keep your outdoor living lifestyle even in the cooler months.

W

ater heaters are the second largest energy users in a typical home, next to the heating and cooling system. Natural gas water heaters cost less to operate than electric water heaters, on average, and can heat water twice as fast. In fact, consumers can enjoy two bathtubs full of water with natural gas for the same cost of a single tub full of water heated with electricity, on average.



Natural gas water heaters cost less to operate and can heat water twice as fast.

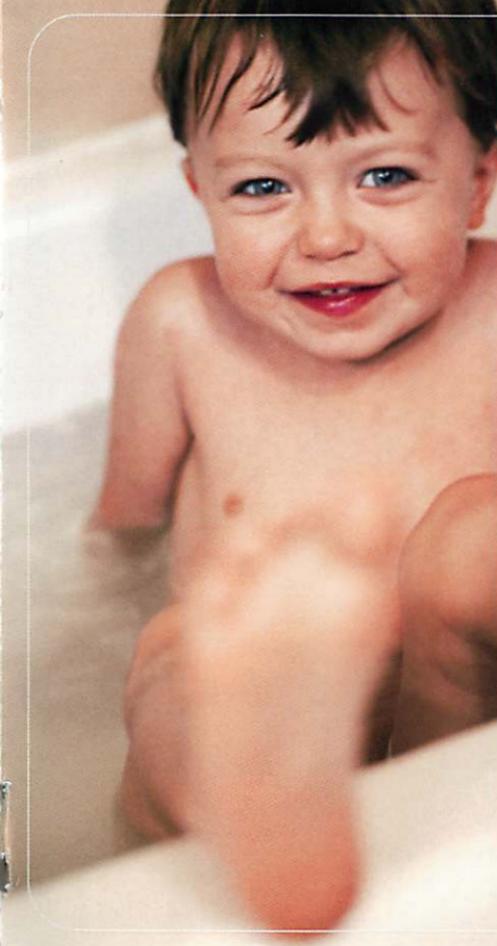
TYPES OF NATURAL GAS WATER HEATERS **STORAGE WATER HEATERS**

The most popular type of water heater for residential use is the storage water heater, which combines a gas burner with an insulated tank to store hot water.

A storage water heater works by taking cold water from the home's water supply and moving it to the bottom of the tank where it's heated by a gas burner controlled by a thermostat. When the hot water leaves the tank and colder water replaces it in the bottom of the tank, the burner automatically comes on again to heat the new water.

COMBINATION WATER/SPACE HEATER

Combination water heating/space heating units are compact systems that require only one unit to heat both water and rooms. These units are ideal for townhouses, condominiums and other dwellings in which space is limited for a water heater and heating system.



TANKLESS WATER HEATERS

A natural gas tankless hot water heater presents you with a number of advantages. They are considered to be safe and can actually heat water quickly. As compared to a standard water heater, natural gas tankless hot water heaters can heat water as much as two times faster. For the environmentally conscious, you'll also find comfort knowing that high-efficiency natural gas tankless hot water heaters create less toxic emissions than standard gas or oil water heaters.

HYDRONIC OR BOILER SYSTEMS

Homes that use hot water or steam from a gas boiler for space heating can also use a coil in the boiler to produce hot water for the home. The coils in this system are long pieces of copper tubing that absorb heat from the boiler water to heat the water inside the coil.

INDIRECT WATER HEATER

This system uses the same technology as a boiler system. The difference is that this system includes a separate storage tank to hold the heated water.

ENERGY EFFICIENCY

You can cut the cost of heating the water in your home by replacing your old inefficient water heating system with new energy efficient equipment. To make it easy for customers to identify water heaters that offer savings on energy bills without sacrificing performance, look for the ENERGY STAR® label.



Connecticut Natural Gas
P.O. Box 1500, Hartford, CT 06144-1500
www.cngcorp.com

Avon	Manchester
Berlin	Mansfield
Bloomfield	New Britain
Canton	Newington
East Hartford	Portland
Farmington	Rocky Hill
Glastonbury	Simsbury
Granby	West Hartford
Greenwich	Wethersfield
Hartford	Windsor
Hebron	



Southern Connecticut Gas
P.O. Box 1540, Bridgeport, CT 06601-9874
www.soconngas.com

Branford	North Branford
Bridgeport	North Haven
Clinton	Old Saybrook
East Haven	Orange
Easton	Stratford
Fairfield	Trumbull
Guilford	Westbrook
Hamden	West Haven
Madison	Weston
Milford	Westport
New Haven	Woodbridge

For more information on natural gas products and services, call CNG at 860-727-3535 or SCG at 800-SOCT-GAS



UIL HOLDINGS CORPORATION