2024/2025 **NATURAL GAS APPLIANCE PRODUCT GUIDE** SAVE WITH NATURAL GAS

(%),





START TO ENJOY A MORE EFFICIENT AND COMFORTABLE HOME

- · Warm your home easily and save while doing it
- Heat hot water twice as quickly for half the cost of other energy sources*
- Cook meals at 45% of the cost of using an electric cooktop*
- Enjoy the beauty, convenience and warmth of a natural gas fireplace
- Dry laundry faster at half the cost of running an electric dryer
- Rest easy with reliable power from a natural gas generator

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BRING NATURAL GAS TO YOUR HOME

ENJOY THE BENEFITS OF NATURAL GAS IN YOUR HOME

With more comfort, convenience and savings

For New Customers: Steps to Convert Your Home to Natural Gas

We're here to help you bring comfortable, efficient, reliable natural gas to your home. Get started with the steps below:

Confirm that natural gas is available at your home.

To confirm that natural gas service is available at your home, visit **WashingtonGas.com/available**. Depending on your location, more research may be needed. If further research is required, an email regarding availability will be sent in approximately three days.

2

If you select a contractor, have them provide us with information regarding your appliance and installation plans.

You or your contractor should provide the following information on the appliances you plan to install:

- Number of appliances
- Type(s) of appliances
- BTU rating(s) for each appliance
- Gas pressure requirements

Washington Gas will also need a scalable copy of your site plan or property plat, with the meter location clearly marked. If you do not have a contractor yet, Washington Gas offers information online on conversion contractors. To find a participating conversion contractor, visit WashingtonGas.com/contractor.

6

Washington Gas determines the cost of bringing gas to your home.

Once you have completed the information in our online portal and your request has been reviewed, Washington Gas will send you a commitment letter outlining any costs for your project. This fee, if required, contributes to the construction costs of installing a gas service line, meter and regulator. Your contractor's quote for natural gas equipment and installation will be a separate charge.

If you use a Washington Gas participating conversion contractor, all costs for the natural gas appliances and installation can be financed through pricing options provided by the contractor.



Washington Gas must receive the signed commitment letter to continue converting your home to natural gas. Washington Gas cannot take any further action until the signed letter is returned and any required installation contribution is paid. Your cost estimate remains valid for 45 days from the date indicated on your commitment letter.



For all gas installations, Washington Gas must successfully obtain the necessary permits associated with your conversion from your local municipality or county. Once received, your conversion project will be forwarded to a Washington Gas underground contractor to arrange installation.



There will be several contractors involved in completing your natural gas conversion. First, the underground contractor will contact you to schedule an installation date. Next, as required by law, Washington Gas will have Miss Utility mark any public underground utilities such as water or electricity. In addition, the homeowner must locate and mark any private underground utilities such as sprinkler systems, buried oil tanks or landscape lighting systems. Then, the underground contractor will install the service line to your home. Once the underground service line is installed, your gas meter can be installed. After the interior gas lines installation has been completed and inspected by local jurisdiction, the contractor will need to connect the new gas line to the new meter bar. If you need assistance in arranging for the installation of your meter once the service line has been installed, please go to **WashingtonGas.com/install** to complete the form and request a meter.



Current Customers: Steps to Add or Replace Natural Gas Appliances

If you currently have natural gas service and are interested in adding or upgrading appliances, you may need to contact us. Newer natural gas appliances may have higher gas volume demands and pressure requirements. Please work with a licensed contractor for your appliance installation.

To ensure proper installation:

When the existing service line is adequate for the load and only the meter needs to be changed, an external meter company will contact you and/or your contractor to schedule the installation and inform if there is a contribution associated with the upgraded meter or meter split. If it is determined that the existing service line does not have the capacity to handle the additional load, a service replacement will be required. Washington Gas will provide you with a commitment letter that will detail any cost required. Have a contractor verify the total BTU input rating(s) for your existing appliance(s) and for the appliance(s) being added and/or replaced.

2

Your contractor must verify the gas pressure requirements suggested by the manufacturer for the appliance(s) being added. If your existing service is adequate, your contractor may proceed with the requested installation.

If needed, submit an Added Load/Split Meter Request form to Washington Gas. The form can be found at WashingtonGas.com/SplitMeter.

If Washington Gas determines your existing service is adequate, you will be contacted by an external meter company to schedule the requested installation and advise if a contribution is required for the services requested.

When Washington Gas determines that the existing gas service does not have the capacity to handle the additional load, Washington Gas evaluates replacing the existing service line and will provide a letter with a quote.





SPLIT METER

When adding a gas appliance, contractors may request that Washington Gas install a split meter, which uses a new or existing meter with two regulators.

?

Contractors use split meters when:

It can be less expensive and easier to run new gas piping from the meter than tapping into the existing house piping system.

The existing low pressure house piping system is inadequately sized to handle the additional load of a new gas appliance. The new gas appliance may require a higher gas pressure than can be delivered by the existing system, thus making the split meter the only feasible solution.

Note: Before gas appliances are installed, a permit is required. Please check with your contractor to ensure the appropriate permits have been obtained before installation.

BRINGING NATURAL GAS TO YOUR COMMUNITY

Enjoy the comfort and convenience of natural gas with warmer heat, long-lasting hot water, temperature-controlled cooking and more.

Converting to natural gas with your neighbors can reduce the conversion costs of bringing natural gas to your neighborhood, reduce utility costs and increase energy efficiency. Chat with your neighbors to start the process.

To get started, visit WashingtonGas.com/expansion



NATURAL GAS HEATING SYSTEMS

WARM AND COMFY: NATURAL GAS HEATING SYSTEMS

Average ANNUAL HOME HEATING SAVINGS:* Natural gas heating provides lower utility costs and keeps your home warmer.

47%

SAVINGS OVER A PROPANE FURNACE 45% SAVINGS OVER AN OIL FURNACE 18%

SAVINGS OVER AN ELECTRIC HEAT PUMP

*Washington Gas Operating Cost Analysis based on an 80% AFUE natural gas furnace

Natural Gas Heating System Types

There are two main types of natural gas heating systems — forced-air heating systems and hydronic heating systems.



NATURAL GAS FORCED-AIR HEATING SYSTEMS

Forced-air systems use natural gas burners to heat air that is then "forced" through ductwork by a blower or fan.

In a forced-air system, the furnace draws cool air into a metal box known as a heat exchanger. There, it's warmed by a gas burner and forced through a filter and into ducts by an electric fan or blower. This air, once vented into rooms, is much warmer than air circulated by an electric heat pump.

With a forced-air system, you'll enjoy a steady flow of warm air while heating your home faster, with less energy.

NATURAL GAS HEATING SYSTEMS

CHOOSING A FORCED-AIR HEATING SYSTEM

Furnace Size

To determine the right furnace capacity for your home, have a licensed HVAC contractor perform a load calculation.

Efficiency

High-efficiency furnaces may be more expensive upfront, but they cost less to operate monthly and will provide annual savings. Ask your contractor to calculate a pay-back period for the model you're considering. A pay-back period is the amount of time required to offset the cost of the higher appliance.

Compare Products and Contractors

Before purchasing a product or hiring a contractor, get written installation estimates and references from licensed HVAC contractors.

Installation

Before installing a natural gas furnace, you must obtain the proper permits. After installation, ensure your heating system is properly installed – ask your contractor for all test results specified in the manufacturer's installation instructions and have inspections completed by your local code authority. 19



NATURAL GAS HYDRONIC HEATING SYSTEMS

Hydronic systems circulate steam, or hot water from a boiler, through a radiator's tubing built into the floor or baseboard units throughout your home. These systems come in a wide range of sizes and efficiencies and need manufacturer-specified venting.

Hydronic systems provide a clean form of heating that won't produce dust particles or other allergens, while also remaining rather quiet while in use.

NATURAL GAS HEATING SYSTEMS



Boiler Size

To identify the right boiler capacity for your home, have a licensed HVAC contractor perform a load calculation.

System Type

Hydronic systems warm a room through baseboard units and continue to disperse warmth even after hot water has stopped flowing from the boiler. For adjustable temperatures in different living spaces, zone heating is best. Zone heating allows you to adjust the temperature in various areas of your home and control each area by thermostat or individual controls.

Service After Installation

To ensure your boiler provides comfortable, long-lasting heat, select a licensed contractor for regular maintenance. Always ask for written estimates and references before you sign a contract. 21

Alternative Natural Gas Heating Systems

DUCTLESS HEATING SYSTEMS

Ductless furnaces require no chimneys or ductwork; they can provide supplemental heat for one room or heat for the whole house.

Ductless heaters allow you to enjoy gas heat without adding ductwork or a chimney. They're easily installed on any outside wall, providing efficient energy and the potential to heat your whole home. Ductless models also offer supplemental heat for a single room or emergency heat during a power outage.

COMBO HEATING SYSTEMS

Combo systems combine heating, water heating and sometimes even cooling in a single system.

Heat your home and water with a storage or tankless natural gas water heater. Direct venting is needed, but the air handler, which includes a coil used to generate heat, can be installed where convenient.

GAS FIRED HEAT PUMP

Absorption heat pumps or gas-fired heat pumps are air-source heat pumps that provide heat and cooling by using a refrigerant. Gas heat pumps pull outside air, then warms it to transfer the heat to be pumped into the structure.

DUAL FUEL FURNACES

Also referred to as hybrid furnaces, dual fuel systems allow homeowners the benefit of using the furnace as an electric heat pump on cool days and optimizing the warmth of a natural gas furnace on days when the temperature is colder.

Learn more about Natural Gas Heating Systems at gasheatpumpcollab.org/about/gas-heat-pumps

Heating Contractors

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calljiffy.com DC/MD/VA 855-265-3993



indoorcomfort.com DC/MD/VA 855-227-4169



parrishservices.com VA 877-487-1298 Reed Heating reed-energy.com DC 855-227-4175



unitedservicespecialists.com DC/MD 240-252-2111

Washington Gas does not guarantee contractor work and recommends that you check a contractor's references. For more information on installation, please see pages 100-102.

Maintenance • Service • Sales • Installation

We sell and install the most efficient energy star heating and air-conditioning systems available for your home. We also offer several comprehensive maintenance plans and first-rate service programs to choose from.





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We ensure that all work is completed to manufacturers specifications and to all local code requirements.

Free in-home estimates, no money down, easy payments for qualified homeowners.

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- Work area left clean
- Minimum disruption to schedule & household routine
- No weekend, night, travel or overtime charges





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\$39 for Initial Visit with purchase of next years Maintenance agreement (\$20/mo) per full system. Regular price for this package is \$603.00

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ROCKVILLE 802 Rockville Pike 42 Rockville, MD 20852





NATURAL GAS FIREPLACES 29

STAY COZY THIS WINTER: NATURAL GAS FIREPLACES



Can be used as supplemental heat

Lights with

R

Lights with the flick of a switch



Looks and feels like a wood-burning fire

IN ADDITION TO CREATING A WARM ATMOSPHERE IN YOUR HOME, NATURAL GAS FIREPLACES CAN ALSO CUT HEATING COSTS.

Natural gas fireplaces simulate the look of real wood, without the hassle. "Logs" are available in a variety of wood styles, the burners create realistic looking flames and some units even recreate the look of glowing embers. Safety is built in – the main burner on most units will not light if it cannot be done safely, and vent-free units contain a sensor to turn off automatically if oxygen levels fall.

USE AS A SOURCE OF HEAT

Natural gas fireplaces can be used for substantial zone heating. Look for the product descriptions "heat-producing natural gas fireplace" or "efficient vent-free gas log heaters." Products described as a "decorative natural gas fireplace" are not designed to heat, but still offer the ambiance of a beautiful fire.

MORE REALISTIC THAN EVER

Today, natural gas fireplaces go beyond imitating the look of wood fireplaces; they can sound and smell the same, too, with smoky aromas and crackling sounds available. Natural gas fireplaces make curling up in front of the hearth better than ever.

Natural Gas Fireplace Products



VENTED LOG SETS

Vented log sets offer the lowest initial cost and simplest installation—they're built in to existing wood-burning fireplaces. Vented through the flue, much of the heat is lost up the chimney (as with wood fires), making them primarily a decorative product. While vented log sets serve mainly for ambiance, they provide the most realistic flame of the fireplace products.



FIREPLACE INSERTS

Fireplace inserts are self-contained units that, when installed in an existing fireplace, are efficient sources of supplemental heat. They vent through the existing chimney with an approved flue liner to improve combustion and heating capabilities.



FACTORY-BUILT FIREPLACES

Factory-built natural gas fireplaces can be added to most rooms, without an existing fireplace or a chimney, though direct-vent models are required. They are complete units available in a variety of configurations including transparent, corner models and peninsula units with three open sides. They are optimal for remodeling or for new home construction and can vary in styles and heating capabilities.



FREESTANDING STOVES

Freestanding natural gas stoves are self-contained units that resemble old-fashioned wood-burning stoves. They can replace an existing wood stove if a special flue liner or natural gas vent is inserted into the chimney. Natural gas stoves are available in both contemporary and traditional styles, in an array of colors with most featuring a fire-viewing area. Natural gas stoves can also contribute significant heat to a room or to the entire house.

Natural Gas Fireplace Products

Hearth products are vented in three ways: natural draft, direct-vent and vent-free.

NATURAL DRAFT

Natural draft products vent through the roof using a masonry or metal chimney. Existing masonry chimneys should be inspected by a chimney sweep and may need to be relined to ensure proper draft and to prevent harmful soot buildup.

DIRECT-VENT

Direct-vent products can be vented vertically or horizontally so a conventional chimney is not needed, providing greater location flexibility. Direct-vent products use pipes to draw the air needed for combustion and to vent the gases outdoors. Remember, these units cannot be located too far from exterior walls.

VENT-FREE

Vent-free products draw air from inside the home and burn gas so efficiently that there is no need for venting. Vent-free units should not be installed in bedrooms, bathrooms or other confined spaces, and are for occasional use only where they can be monitored. Washington Gas recommends that consumers strictly adhere to the manufacturer's operating instructions.



Fill out the checklist below and bring this page with you to shop for your new fireplace.

My new fireplace product will be used for:

- □ Converting wood-burning fireplace
- □ Adding new natural gas fireplace/ stove
- Replacing existing natural gas logs/ insert/fireplace/stove

The primary function of the new fireplace product will be:

Supplemental heatDecorative accessory

I have approximately the following living space to be heated:

Less than 600 sq. ft.
 600 - 1,000 sq. ft.
 1,000 - 1,500 sq. ft.
 More than 1,500 sq. ft.
 Not Applicable (I will be using the new fireplace product for ambiance only.)

My existing fireplace measures (see diagram below for more detail):

- A. Opening Width = _____ inches
 B. Opening Height = _____ inches
 C. Back Width = _____ inches
 D. Depth (hearth level) = _____ inches
 E. Distance from top of firebox to bottom of mantel = _____ inches
- Not Applicable (new construction or remodeling)

Next, see the products in person by consulting any of the fireplace dealers featured on page 40, or those found in the Find a Contractor search at WashingtonGas.com/contractor.

Washington Gas recommends you consider products that are designcertified by a nationally recognized laboratory that uses the American National Standards Institute (ANSI) standards.

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Fireplace Tips & Requirements

Hire a licensed contractor to convert your wood-burning fireplace to a gas unit. Working with a gas line is a job only for an experienced professional. Ask your contractor to obtain a building permit before installing the gas line. When converting your wood-burning fireplace, ensure your chimney has been inspected. There should be no combustible materials near the fireplace and it must meet all clearances. Installation of natural gas logs in a prefabricated firebox that is not UL-listed for gas is prohibited.

Underwriters' Laboratories (UL) represents the company that test products to ensure they meet requirements in safety and sustainability standards to be nationally recognized

37

3

Installing carbon monoxide detectors is highly recommended. Although tests show that gas fireplaces do not increase carbon monoxide levels in your home, it is safe to have detectors in any home with gas appliances, including a furnace, a stove or a fireplace. In Washington Suburban Sanitary Commission (WSSC) jurisdictions (Montgomery and Prince George's Counties), a carbon monoxide detector is required in homes where a vent-free fireplace product has been installed. Also, a protective screen is recommended for safety. Have a professional, such as a fireplace retailer, inspect and clean your gas log set annually. During a routine maintenance inspection, the professional will:

- Clean and adjust the logs and accessories like the glowing "embers" so the unit will look its best
- Check that the gas unit is functioning correctly
- · Clean the glass if it is a sealed system
- · Ensure that the fireplace is drafting properly
- · Check for leaks

Choosing a Fireplace Dealer and Installer



Get a free estimate and compare the total cost of the models you are considering. Total cost includes the fireplace product price, accessories and installation fees.

Washington Gas does not recommend selecting a dealer based on price alone. Ask potential dealers if they will install and service their products. If not, confirm that they arrange for a professional to handle installation. Choose the dealer who you trust will provide the greatest overall value.

Use a licensed installer who will provide you with a copy of all necessary permits indicating that your fireplace complies with local codes and regulations. Your installer should arrange an inspection with the county or city that has issued the installation permits for the unit (See page 102). After installation is complete, request an overview of product operation and all recommended service requirements.



Fireplace Dealers



855-227-4169 gasfireplaces.com

7525 Richmond Hwy. Alexandria, VA

2841 Rogers Dr., Falls Church, VA

802 Rockville Pike Rockville, MD



877-473-7184 getgaslogs.com

14088-B Sullyfield Cr. Chantilly, VA



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Washington Gas does not guarantee contractor work and recommends that you check a contractor's references. For more information on installation, please see pages 100-102.

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NATURAL GAS WATER HEATING

WARM BUBBLE BATHS: NATURAL GAS WATER HEATERS

Average annual home water heating savings:* Enjoy ample hot water for low costs.

47%

SAVINGS IN COMPARISON TO A STANDARD OIL FURNACE 47% SAVINGS OVER A PROPANE WATER HEATER SAVINGS OVER 57% AN ELECTRIC WATER HEATER

*Washington Gas Operating Cost Analysis based on a standard tank water heater

NATURAL GAS WATER HEATING

DID YOU KNOW? WATER HEATING IS THE SECOND LARGEST ENERGY USE IN THE HOME. WATER USAGE FOR DAILY ACTIVITIES

HAND WASHING GALLON

TOILET FLUSHING GALLONS

SHOWERING GALLONS

DISHWASHER USE 6-6 GALLONS

46

47

BATHING

36 GALLONS

WASHING CLOTHES 25-40 GALLONS*

High-efficiency natural gas water heaters warm more water per hour – and do so in half the time of electric water heaters, saving you time and money. Choose from two types of natural gas water heaters: storage, the most common type; or the newer, more efficient tankless water heaters.

*25 gallons/load for newer washers. Older models use about 40 gallons per load. Source: https://water.usgs.gov/edu/qa-home-percapita.html

Storage Water Heaters

Storage water heaters range in size from 20 to 80 gallons, and typically have a steel tank lined with an anti-corrosive material. Because cold water is heavier than hot water, only the hot water will leave through the top of your water tank when a hot water tap is turned on in your home. To replenish the tank, unheated water enters from the bottom and is heated by a thermostat-controlled gas burner. The burner will also activate if the tank's temperature falls below a certain level, so hot water is available whenever a tap is turned. A relief valve protects against temperature or pressure that is too high. Installation is relatively simple and there are several options for locating storage water heaters; they're a good choice for homes converting to a natural gas water heating system.

CONDENSING STORAGE WATER HEATERS

Gas condensing water heaters work much like other storage water heaters. However, instead of venting the combustion gases, vapors are used to reheat the unit's water supply, creating a more efficient water heater.

NATURAL GAS WATER HEATING

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CHOOSING A STORAGE WATER HEATER

Capacity

Many consumers choose models based on tank size, but the firsthour rating (FHR) is most important. FHR, required by law to appear on the Energy Guide label, is the measure of how much hot water the heater will provide in an hour. To avoid purchasing a water heater larger than you need, estimate your household's hot water needs and shop for a water heater with an FHR in that personalized range.

Efficiency

The energy efficiency of a storage water heater is indicated by its uniform energy factor (UEF). The higher the UEF, the more efficient the water heater.

Cost

The least expensive water heaters to purchase are often the most expensive to operate. A highefficiency water heater may cost more up front, but lower operating costs will compensate for the initial investment over time. To further reduce your monthly expenses for years to come, consider investing more in efficient units.

Tankless Water Heaters

With a tankless water heater, the burner activates only when there is a demand for hot water. Without the constant heating and re-heating of stored water, no energy is wasted; the amount of energy used is always equal to the volume of hot water being used. When the hot water tap is turned off, the system shuts down, yielding cost savings and a reduced energy consumption. Hot water arrives as quickly as with a storage water heater, and will not run out provided that your water heater is sized appropriately for your home. Tankless water heaters are designed to last for multiple decades and, because they are smaller than tank units, they are ideal for homes where space is limited.

Rinnai Interested in pursuing a tankless water heater? Visit rinnai.us



Compared to storage water heaters, choosing a tankless water heater requires different considerations. A qualified contractor can help you decide whether a tankless water heater is suitable for your home and, if so, which one is the best for you.

Flow Rate and Simultaneous Water Usage Needs

While tankless water heaters can provide an ample supply of hot water, they may be limited in the volume of hot water produced at any given time. To identify a good unit size for you, determine how much hot water flow is required. In some homes, multiple units may be required.

Gas Line Sizing

Have a qualified contractor ensure your gas line is sized properly. Tankless water heaters use more natural gas than storage water heaters; this may require higher gas pressures.

Combustion Air Requirements

These requirements apply only to indoor installations, when air is drawn from the room in which the water heater is installed. Some manufacturers offer only direct-vent units, which do not require internal combustion air.

Tankless Water Heaters

To remove combustion byproducts – like carbon dioxide and carbon monoxide – from the air, natural gas water heaters must be vented outdoors using one of the methods below:

ATMOSPHERIC VENTING

is the most common venting method; it allows gaseous byproducts, which are warmer than the surrounding air, to rise naturally through a vertical metal vent pipe or masonry chimney. Fans or other mechanical boosters are not needed, keeping installation and operating costs down.

DIRECT-VENT OR HORIZONTALLY-VENTED WATER HEATERS

can be used when vertical chimneys or flues are unavailable or too expensive to install. The vents pass directly through an outside wall and can bring combustion air to the burner. Most units of this type can be installed in a small area.

FAN-ASSISTED OR POWER-VENTED GAS WATER HEATERS

use an electric fan or blower to push out combustion gases. This type of venting allows gas water heaters to be installed up to 40 feet from an outside wall and in homes without existing vertical vents. The flue or vent pipe can be hidden behind walls and cabinets, and other gas equipment installed with the water heater can use the same power venting system. Note: In general, the water heater should be installed so the vent length is as short and straight as possible. Some models can be vented up to 41 feet, vertically or horizontally, while other models can be vented as far as 100 feet or more.



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calljiffy.com DC/MD/VA 855-265-3993



tanklessconcepts.com MD/VA 855-234-3957

Washington Gas does not guarantee contractor work and recommends that you check a contractor's references. For more information on installation, please see pages 100-102.

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We've got a water heater to meet your needs with a range of mid-efficiency to high-efficiency models. All are built in Middleville, Michigan with Bradford White quality to provide long lasting performance. Our highest efficiency models that meet specific government efficiency standards receive a special ENERGY STAR[®] certification.



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Get new system today to start protecting environment

FREE AIR CONDITIONER

FREE AIR CONDITIONER TERMS

1. Schedule FREE Estimate within 10 days 2. Must be installed within 16 days 3. Up to 2 systems per household 4. Limit up to 16 Seer A/c



HEATING TUNE-UP \$39

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Serviceability







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Heat Exchangers





Rinnai America Manufacturing facility in Griffin, Georgia, USA



RSC199i Indoor Model



NATURAL GAS COOKING

COOK LIKE A PRO: NATURAL GAS RANGES

Average ANNUAL COOKING SAVINGS:* Serious chefs and homeowners alike prefer cooking with natural gas.



SAVINGS OVER AN ELECTRIC RANGE

*Washington Gas Operating Cost Analysis



Natural gas ranges are energy efficient, turn on and off instantly and offer level heat and precise temperature control.

Offering a variety of sizes and configurations, you can get creative with your cooking style. From the familiar freestanding range with a traditional cooktop and oven, to separate cooktop and oven units built into your existing kitchen layout, there's a gas range style for everyone. Indoor gas grills are also available as a freestanding unit or a range component.

While true commercial ranges are not recommended for home use because of their high heat output, many professional-style ranges are now available for home installation. With extra insulation and other home safety measures, you can access their multiple burners and ovens.



To save energy, most new natural gas cooking products utilize electronic or spark ignitions, rather than a continuously burning pilot light. Although an exhaust system may not be required by code, these fans can eliminate the normal byproducts of cooking, including steam, smoke, grease and heat. Indoor gas grills always require an exhaust system. You can use a traditional overhead exhaust fan, running through a wall or ceiling, or a "downdraft" system to avoid a traditional oven exhaust hood in the center of your kitchen.





CHOOSING A NATURAL GAS RANGE

Size

Most free-standing ranges are 30 inches wide, but models measuring 20, 24, 36 and 40 inches wide are also available; drop-in or slide-in ranges are typically 30 inches wide. Cooktops are either 30 inches or 36 inches wide. Professional ranges are available in widths ranging from 24 to 60 inches with varying heights.

Features

Special options include sealed or removable burners, cleaning features, convection ovens and heavy-duty burner grates.

Cleaning

Cleaning methods include standard, continuous and self-cleaning.

Controls

Test out the controls before purchasing a range they should be easily understood and easy to reach and use.

Exhaust System

Keep exhaust placement in mind as you shop. Consult with an appliance professional to confirm the compatibility of the ventilation system and the cooking surface.

Warranties and Certification

Compare warranty and service arrangements and consider design-certified models tested to national standards by a nationally recognized laboratory. 65



...

NATURAL GAS DRYERS

DO YOUR CHORES QUICKER: NATURAL GAS DRYERS

AVERAGE ANNUAL DRYING SAVINGS:* Dry laundry faster and save money with natural gas.

67% SAVINGS OVER AN ELECTRIC DRYER

*Washington Gas Operating Cost Analysis



Unlike electric, natural gas dryers provide full heat instantly, saving time while doing laundry. Today's natural gas dryers use electronic ignition systems instead of a continuously burning pilot light, yielding savings and energy conservation. And, when a natural gas dryer shuts off, the heating stops immediately.

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 dryers are front-loading with doors that either swing down or open to either side.

Dryers typically have three to six cycles, customizable for the desired heat and for different fabrics. Some dryers also offer a feature to tumble clothes periodically, keeping any wrinkles from setting in.

NATURAL GAS DRYERS 69



Limited Space

Compact natural gas dryers require only about 5 square feet of space. Often, a stackable washer/ dryer unit offers the best fit for small laundry rooms.

Venting

Dryers can be vented from the side, back or bottom.

Capacity

Regular/large-sized dryers generally have a drum volume of 5.5 to 7 cubic feet, ideal for an average family's load of laundry. In addition to a larger load capacity, extra-large drum sizes (volumes up to 8 cubic feet) are designed to handle bulky items, like comforters.

Certification

Models must be designcertified and tested to national standards by International Approval Services or another nationally recognized laboratory.

70 NATURAL GAS OUTDOOR PRODUCTS

-1.782.724
NATURAL GAS OUTDOOR PRODUCTS

EXTEND THE SUMMER SEASON: NATURAL GAS OUTDOOR PRODUCTS

Create a getaway in your own backyard with these natural gas outdoor products.

Natural Gas Grills

Get all the advantages of outdoor cooking without any of the mess, expense or long preparation time associated with charcoal. Unlike propane tanks, which can run dry just as hungry guests arrive, a direct connection from your natural gas grill to your home's gas line means you never run out of fuel.

Start grilling in an instant with precise cooking controls. Natural gas grills heat up fast, and their precise temperature control gives you more flexibility than charcoal or propane grills. Cook at a constant temperature without ever tending the fire or checking propane levels.

Did you know?

You can determine the temperature of your protein by touching the meat with your finger. Rare meat will feel squishy, medium will feel firm but still give way and well done will feel very firm.

Special features such as flavorizer bars, side burners, rotisseries, multi-level cooking, flip-up side tables and food warmers let you customize your ideal grill. Either place your grill permanently on your deck or patio, or choose a "quick-connect" hookup that makes moving the grill easy.

With proper maintenance, safe and efficient natural gas grills will last for years, saving you the expense of charcoal and lighter fluid or propane. And cooking on a grill keeps your kitchen cooler, reducing demand for your air conditioning when it's warm outside.

NATURAL GAS OUTDOOR PRODUCTS

CHOOSING A NATURAL GAS GRILL

Grill Size

Ensure your grill will fit safely and conveniently in your outdoor space, especially if you are considering permanent installation to your home's existing gas line.

Ignition

Button style igniters produce a spark with each push; knob igniters emit two or three sparks per turn.

Burners

Confirm that your burners are proportional to the grill cooking area for more efficient and even cooking. Separate burners allow better heat control than only one burner; most grills have at least two.

Heat Distribution

To best distribute heat, use lava rocks, ceramic briquettes, metal plates and metal bars. Consider a grill that funnels grease away from the burners for an enhanced charbroiled flavor and fewer flare-ups.

Installation and Mounting Types

"Quick-connect" hookups let you move the grill when it's not in use. Post or built-in grills connect directly to your home's gas line and are permanently placed, in this case, look for a grill that can weather the elements.

Assembly

If assembly is required, ask if your dealer offers assembly services.

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Grill Product Dealers



855-227-4169 gasfireplaces.com

7525 Richmond Hwy. Alexandria, VA

2841 Rogers Dr., Falls Church, VA

802 Rockville Pike Rockville, MD



877-473-7184 getgaslogs.com

14088-B Sullyfield Cr. Chantilly, VA

Washington Gas does not guarantee contractor work and recommends that you check a contractor's references. For more information on installation, please see pages 100-102.

NATURAL GAS OUTDOOR PRODUCTS

Cedar Plank Salmon

Ingredients

3 tablespoons brown sugar

2 tablespoons sesame oil

1 tablespoon sesame seeds

1 teaspoon dried dill weed

3 tablespoons water, or as needed

1 tablespoon soy sauce (Optional)

1 teaspoon freshly ground black pepper (Optional)

4 (6 ounce) salmon fillets, with skin

1 12-inch untreated cedar plank, soaked in water for at least 2 hours

Recipe from AllRecipes.com

Prep 10 Minutes Cook 30 Minutes Yield

4 Servings

Instructions

Step 1

Preheat an outdoor grill to medium heat.

Step 2

Combine brown sugar, sesame oil, sesame seeds, and dill in a small bowl. Mix in water, a little at a time, adding just enough to make the mixture liquid. Stir in soy sauce and pepper.

Step 3

Place salmon fillets, skin-side down, onto the soaked cedar plank. Spoon sugar mixture evenly over fillets to fully coat.

Step 4

Place plank and salmon on the preheated grill. Cover and cook until fish flakes easily with a fork, about 25 minutes.



75

Patio Heaters

Get gentle, natural warmth and extend your patio season into cooler evenings with natural gas patio heaters. Infrared burners, emitter screens and reflector domes direct radiant heat downward to warm your outdoor space. While patio heaters can operate effectively in exposed areas, they are more efficient in wind- and weatherprotected areas.



NATURAL GAS OUTDOOR PRODUCTS

CHOOSING A NATURAL GAS PATIO HEATER

Size

The warmth from a patio heater can cover an area of 12 to 25 feet. Choose a model that's best suited to your outdoor space.

Burners and Ignition

Models with adjustable burners light with the turn of a knob, allowing you more control over heat output. Individual remote controlled switches provide instant start.

Location

Most patio heaters are placed near cooking and eating areas or by a pool or spa; all are areas where gas piping often already exists.

Safety

Some models have automatic systems that shut the unit off in winds of 10 mph or higher.

Installation and Mounting Types

Options include permanent post, portable post (with a flexible gas line and quick connection) and suspended mountings, which is best for limited space as the permanent mounting keeps heaters out of the way. 77

Outdoor Lights

Get the dependable security and safety of unshaded illumination from natural gas lights—all without electricity. These lights can cast a beam equal to that of a 60-watt lightbulb, without attracting insects. With fuel-saving features built in, optional dimmers or electronic ignitions make natural gas lights even more cost efficient. And, because they're weatherproof and sturdy, they require little maintenance.



NATURAL GAS OUTDOOR PRODUCTS

CHOOSING NATURAL GAS OUTDOOR LIGHTS

Mounting Types

Mount your outdoor lights on your deck, or on a wall or post on your patio. Consider installing them on an existing gas line serving a pool/spa heater or a gas grill.

Location

Consider lighting walkways, entryways and outdoor entertainment areas, especially if these spaces already feature other natural gas products.

Style

From carriage lamps to tiki torches, outdoor gas lights come in many styles.

Burners

Mantles are placed over a flame to provide incandescent light. Standard gas lights with dual-inverted burners and mantles provide maximum light. Other burner options include triple and quad burners or an open flame burner for a more natural appearance.

Ignition

For convenience, look for a gas light that has an electronic ignition and can be turned on and off with a typical light switch. Models with an automatic reignite feature will relight if the flame is blown out. 79

Pool and Spa Heaters

Get precise temperature controls from even the most basic models. Extremely durable, pool and spa heaters warm water quickly and economically. Automatic thermostats and timers let you maintain a constant temperature or only heat when needed. Quick-connect plumbing connections allow simple hookups to existing water and gas lines, while automatic shut-off controls provide added safety.



NATURAL GAS OUTDOOR PRODUCTS

CHOOSING A POOL AND SPA HEATER

Heater Size

Don't choose a smaller heater based only on initial costs. Because natural gas heaters don't have to work long to heat a pool or spa, a larger heater may be more economical than a small heater. Share with your dealer your pool size and desired water temperature during the coolest month of your pool's use. For spa heaters, gallons and preferred heat-up time are your deciding factors.

Ignition and Burners

A standard electronic ignition system activates the pilot light only when necessary. A millivolt ignition offers matchless ignition. Stainless steel burners offer greater reliability and longer life.

Maintenance

Consider models where the igniter is easily accessible. Look for encapsulated controls that can extend your heater's life by maintaining a drier, cooler environment. Annual maintenance is recommended.

Conservation

Use a pool or spa cover to reduce heat loss and shield your pool from the wind.

Outdoor Fire Pits and Fireplaces

Enjoy your deck or patio even on chilly days with a natural gas fireplace. Select from a fire pit, chiminea or built-in outdoor fireplace to keep you cozy and warm.

No fuss, no mess, no smoke – start your fire with the simple turn of a knob via a permanent connection to your home's gas line. Forget about wood chopping and cleanup; when you're done, simply turn off your fireplace. Protective covers guard against the elements and make campfires even easier to maintain. As long as they're connected to a natural gas source, fire pits can be placed anywhere – even on a wood deck. The controlled flame is safe and won't kick out sparks; and there's no wood-burning air pollution or forest depletion.

Create your own look; there are a variety of stainless steel burner systems available in several sizes, heat outputs and "log" options. Your campfire can also be customized using rock, brick, stone or fabricated surrounds. You can even install a built-in outdoor fireplace.

CHOOSING AN OUTDOOR FIRE PIT OR FIREPLACE

Location

Consider the type of surface that will hold your outdoor fireplace or fire pits, and how much room will be available around it.

Styles and Construction

Outdoor fireplace styles are virtually endless. Choose from full-size built-in fireplaces, the charm of chimineas or the rustic feel of fire pits.

Log Types and Options

"Logs" are crafted to simulate the look of real wood and are available in a variety of wood types. Many are split and charred for added realism. Additional outdoor fireplace and campfire options include remote controls, wall mounted on/off switches, safety screens and grilling capabilities.

Surrounds

Build your own campfire surround or choose from prefabricated options, such as small cast iron bases for use in smaller backyards.

Ignition

Electronic ignitions enable an easy, instant start with the push of a button or turn of a knob. Smaller models may have a manual ignition. Some models have safety shut-off valves and an automatic reignite feature that will relight your fire should the wind blow out its flame.

Maintenance

If you have a built-in fireplace or campfire permanently installed to your gas line, consider using a fireplace cover to protect it from the elements.

Burners

High-input burners, made of ceramic or stainless steel, provide instant heat to the surrounding area. Models with a flame control allow you to adjust your fire and turn it on or off instantly.

See Your Choices in Person

Get an in-person look at all the outdoor products discussed above at participating dealers, listed on page 91. During your visit, ask about warranties and the ease of installation and maintenance. Look for design certification from a nationally recognized laboratory that tests to American National Standards Institute (ANSI) standards. Compare the overall prices of any models you're considering by totaling the costs of your desired accessories, installation, operation and maintenance. Choose a reliable dealer you trust to provide the greatest overall value — not just the lowest price. Inquire about available financing options the dealer may offer. Ask if they assemble, install and service the products they sell. If not, ask if they will arrange or recommend a professional for installation or service. Get a written estimate and check references before signing a contract.

Make sure your outdoor product is in compliance with local codes and regulations by obtaining all necessary permits. Any licensed installer will gladly provide you with a copy of these permits. Your installer should also arrange for inspection by the county or city that has issued the installation permit(s) for the work. See page 102 for more information.

Grill Product Dealers



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NATURAL GAS GENERATORS 89

KEEP THE LIGHTS ON WHEN THE POWER GOES OUT: NATURAL GAS GENERATORS



Unforeseen events like extreme weather can interrupt your electrical service. If your electricity cuts out at any time, a natural gas standby generator system will still provide all the power needed for your home. For people who work from home offices, reliable on-site power generation is a must.

Due to pressure demands, a generator may require higher gas capacity. Check gas line pressure and sizing with Washington Gas before purchasing a natural gas generator.

Permanently installed outdoor generator systems typically include an automatic transfer switch, the generator, a battery charger and a distribution panel – much like an outdoor air-conditioning unit.

The transfer switch constantly monitors utility power levels and will transfer your home's electrical loads to the generator in the event of a power failure. When utility power resumes, the transfer switch automatically reverses the process.

Choose between two power distribution configurations: essential load or whole house. Essential load supplies electrical power during an outage only to devices you've selected, like furnaces, lighting, sump pumps, refrigerators and freezers, security systems and garage door openers. Whole house provides generator power to all devices in your home, as if they were drawing normal utility power.

NATURAL GAS GENERATORS



CHOOSING A GENERATOR

Determining the proper size for your generator is critical. Estimate your power needs with the help of a qualified contractor. (Note: Electric power is measured in watts, and 1,000 watts is 1 kilowatt.)

Gas Line Sizing

Have your contractor ensure your gas line is sized properly; generators require more gas at higher pressure.

Compare Quotes

Prices from purchase to installation may vary considerably. Compare the warranty and service packages for several models. Get written installation quotes from several licensed contractors, along with their references and an official contract. Be sure that the contractor you choose has a proven track record of working with standby power generators and can provide you with immediate parts and service. Keep in mind that you rarely want to base your decision on up-front price alone. 91

Generator Contractors



indoorcomfort.com DC/MD/VA 855-227-4169



calljiffy.com DC/MD/VA 855-265-3993



Washington Gas does not guarantee contractor work and recommends that you check a contractor's references. For more information on installation, please see pages 100-102.





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- 4. Limit up to 16 Seer A/c



HEATING TUNE-UP



Heating Service, Cleaning & Tune Up **Plus Next years Heating** and A/C Maintenance and Cleaning

\$39 for Initial Visit with purchase of next years Maintenance agreement (\$20/mo) per full system. Regular price for this package is \$603.00

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Source: Generac Power Outage Explorer 2014





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To get started, go to

selector.

wgl.opower.com/ei/x/state-

SAVE UP TO \$800 WITH REBATES

Increase your home's comfort and reduce your energy bill by upgrading to high-efficiency equipment. Washington Gas offers rebates for ENERGY STAR® certified natural gas equipment and more, such as:

- Home Heating
- Water Heaters
- Clothes Dryers
- Furnace Tune-Ups
- Smart Thermostats
- Gas Fireplaces

For the most up-to-date rebate offerings in your area, visit **WGSmartSavings.com**.

Visit WGSmartSavings.com/ Checkup.



EmPOWER Maryland programs are funded by a charge on your energy bill. EmPOWER programs can help you reduce your energy consumption and save you money.

Virginia energy saving program offerings are funded by the Virginia Conservation and Ratemaking Efficiency (CARE) Plan.

Energy-Saving Solutions for Your Home

Washington Gas customers can take advantage of a variety of energy efficiency programs to help lower energy use and save money. Energy efficiency means using less energy to get the same job done. Anywhere that energy is used, there is an opportunity to improve efficiency and:

- Save on energy bills
- Reduce your overall energy use
- Increase the comfort of your home

Our energy-saving solutions empower you to take control of your energy. We're here to help you every step of the way. For the most up-to-date energy-saving solutions in your area, visit <u>WGSmartSavings.com</u>.



REMODELING I NFORMATION 99

REMODELING IS AN IDEAL TIME TO SWITCH TO NATURAL GAS

Minimize costs and reduce hassle by converting your home to natural gas during a renovation.

7°Y

Remodeling: The Best Time to Switch.

From greater efficiency to additional incentives, there are many advantages to adding a natural gas product or upgrading natural gas appliance models. It's easy to make these switches during a remodel for any part of your home.

USE A PROFESSIONAL

Washington Gas recommends that you hire a knowledgeable, experienced and licensed trade professional for your next remodeling project. An existing trade association in the Washington, D.C., metropolitan area meets these criteria. We recommend that you consider hiring one of its members for your next job.



Installation

USE A PROFESSIONAL

Washington Gas recommends that you hire a knowledgeable, experienced and licensed trade professional for your next remodeling project. An existing trade association in the Washington, D.C., metropolitan area meets these criteria. We recommend that you consider hiring one of its members for your next job. (See associations on page 99).

TRADE PROFESSIONALS WILL PROVIDE:

- License and insurance documentation
- Customer references
- Written price quotes
- Product services

- Routine preventative maintenance checks
- Copies of all necessary permits
- · Scheduling for all inspections

TRADE ASSOCIATIONS



aacpnet.org



mwphcc.org



hpba.org



pmpv.org



wsmpa.com



PRODUCT CODE ISSUES

All gas-fired products sold and used in the United States are covered by various certification standards, building codes and local requirements. Heating products may also be covered by the Department of Energy's efficiency test standards.

For additional code/permit information, please contact your local code authority as listed on page 102. Washington Gas recommends that you confirm with your trade professional that the products you've selected meet the code authority criteria in your area.

PERMIT REQUIREMENTS

Adding or replacing a natural gas product to your home requires a permit. Your trade professional should provide you with copies of the necessary permits. All installations should be inspected by the jurisdiction (county/city) that has issued the permit.

LOCAL CODE AUTHORITIES

District of Columbia 202-442-4311

Maryland

Calvert County
Charles County
Frederick, City of
Frederick County
Poolesville, City of
Rockville, City of
St. Mary's County
W.S.S.C
(Serves Montgomery & Prince George's counties)

Virginia

Alexandria, City of
Arlington County
Fairfax, City of
Fairfax County
Falls Church, City of
Herndon, Town of
Loudoun County
Manassas, City of
Manassas Park
Prince William County



washingtongas.com/naturalgasbuyersguide

