Recognize this symbol as an indication of Important Safety Information!

⚠️ WARNING ⚠️
If the information in this manual is not followed exactly, a fire or explosion may result, causing property damage, personal injury or loss of life.

⚠️ FOR YOUR SAFETY ⚠️
— Do not store or use gasoline or other flammable vapors and liquids, or other combustible materials in the vicinity of this or any other appliance.
— WHAT TO DO IF YOU SMELL GAS
  • Do not try to light any appliance.
  • Do not touch any electrical switch; do not use any phone in your building.
  • Immediately call your gas supplier from a neighbor’s phone. Follow the gas supplier’s instructions.
  • If you cannot reach your gas supplier, call the fire department.
  • Do not rely on smell alone to detect leaks. Due to various factors, you may not be able to smell fuel gases.
  • A U. L. recognized fuel gas and CO detector(s) are recommended in all applications, and their installation should be in accordance with the manufacturer’s recommendations and/or local laws, rules, regulations or codes.
— Installation and service must be performed by a qualified installer, service agency or the gas supplier.

⚠️ WARNING ⚠️
REDUCING HEAT LOSS UP THE CHIMNEY, INCLUDING FIELD-INSTALLED DRAFT INDUCERS, HAVE NOT BEEN TESTED AND HAVE NOT BEEN INCLUDED IN THE DESIGN CERTIFICATION OF THIS FURNACE. WE, THE MANUFACTURER, CANNOT AND WILL NOT BE RESPONSIBLE FOR INJURY OR DAMAGE CAUSED BY THE USE OF SUCH UNTESTED AND/OR UNCERTIFIED DEVICES, ACCESSORIES OR COMPONENTS.

SAFETY
⚠️ WARNING ⚠️
IMPROPER INSTALLATION, ADJUSTMENT, ALTERATION, SERVICE OR MAINTENANCE CAN CAUSE PROPERTY DAMAGE, PERSONAL INJURY OR DEATH. FOR ASSISTANCE OR ADDITIONAL INFORMATION CONSULT A QUALIFIED INSTALLED, SERVICE AGENCY OR THE GAS SUPPLIER.

⚠️ WARNING ⚠️
OBSTRUCTION OF THE AIR VENT ON AN LP (PROPANE) TANK REGULATOR CAN CAUSE EXPLOSION OR FIRE RESULTING IN PROPERTY DAMAGE, SEVERE PERSONAL INJURY OR DEATH. YOUR GAS SUPPLIER SHOULD PERIODICALLY INSPECT AND CLEAN THE AIR VENT SCREEN TO PREVENT ANY OBSTRUCTION. KEEP PROTECTIVE REGULATOR COVER IN PLACE, AS EXPOSURE TO THE ELEMENTS CAN CAUSE ICE BUILDUP AND REGULATOR FAILURE.

DO NOT DESTROY. PLEASE READ CAREFULLY AND KEEP IN A SAFE PLACE FOR FUTURE REFERENCE.
the furnace is installed. Do not store anything around the furnace that could block the flow of fresh air to the unit. Your installation may receive air from the inside heated space, from the outside, from the attic or crawl space. Whenever adding insulation, be sure the air supply openings are not covered.

7. Do not use this furnace if any part has been under water. Immediately call a qualified installer, service agency or the gas supplier to inspect the furnace and to replace any part of the control system and any gas control which has been under water.

SYSTEM OPERATION INFORMATION

1. Keep the air filters clean. Your heating system will operate more efficiently and provide better heating, more economically.

2. Arrange your furniture and drapes so that the supply air registers and the return air grilles are unobstructed.

3. Close doors and windows. This will reduce the heating load on your system.

4. Avoid excessive use of kitchen exhaust fans.

5. Do not permit the heat generated by television, lamps, or radios to influence the thermostat operation.

6. If you desire to operate your system with constant air circulation, please ask advice from a qualified installer, service agency or the gas supplier.

During the heating season the operation of the warm air furnace is automatic. Your qualified installer, service agency or the gas supplier has provided a wall mounted thermostat which is sensitive to the change in temperature of the air moving around the thermostat. Your thermostat will have switches to select some or all of the following functions:

HEAT - Turns heating on when temperature drops below the desired temperature.

COOL - Turns cooling on when temperature rises above the desired temperature.

AUTO - Turns cooling or heating on as required to maintain the desired temperature.

OFF - Turns heating and cooling modes off. (The blower may still run in the FAN-ON position.)

FAN-ON - Turns the blower on for continuous operation.

FAN-AUTO - The blower cycles on and off with cooling or heating operation.

FOR YOUR SAFETY READ BEFORE OPERATING

WARNING

IF YOU DO NOT FOLLOW THESE INSTRUCTIONS EXACTLY, A FIRE OR EXPLOSION MAY RESULT CAUSING PROPERTY DAMAGE, PERSONAL INJURY OR LOSS OF LIFE.

NOTE: Read and follow the Safety Information, Operating Instructions and Instructions To Turn Off Gas To Appliance located on the furnace. This label will have specific information regarding the furnace and its gas controls.

TYPICAL GAS CONTROL VALVE

A. Gas valves and controls vary in appearance, but two basic types are standard.

STANDING PILOT
The gas control lever or knob has “ON,” “OFF,” “SET” and “PILOT” positions (see Figure 2A). This furnace has a pilot burner which must be lit by hand. When lighting the pilot burner, follow the instructions exactly. (See Lighting Instructions.)

ELECTRIC IGNITION
The gas control lever or knob has “ON” and “OFF” positions only (see Figure 2B). This furnace is equipped with an ignition device which automatically lights the burners. Do not try to light the burners by hand.

B. BEFORE OPERATING smell all around the appliance area for gas. Be sure to smell next to the floor because some gas is heavier than air and will settle on the floor.

WHAT TO DO IF YOU SMELL GAS
• Do not try to light any appliance
• Do not touch any electric switch; do not use any phone in your building.
• Immediately call your gas supplier from a neighbor’s phone. Follow the gas supplier’s instructions.
c. Allow the pilot burner to burn approximately one-half minute before releasing the red pilot button. The pilot burner should remain lit. If it goes out, repeat steps 5 through 8. NOTE: If the red button does not pop up when released, or if pilot burner does not stay lit after several tries, turn the gas control to the "OFF" position and call your qualified installer, service agency or the gas supplier.

9. ROBERTSHAW VALVE:
   a. Move the gas control lever to the pilot position.
   b. Push and hold the gas control lever in the "SET" position while lighting the pilot burner.
   c. Allow the pilot burner to burn approximately one-half minute before releasing the lever to the pilot position. The pilot burner should remain lit. If the pilot burner goes out, repeat steps 5, 6, 7 and 9. If the pilot burner does not stay lit after several tries, turn the control to "OFF" and call a qualified installer, service agency or the gas supplier.

10. Turn the gas control knob counterclockwise, or move the gas control lever to the "ON" position.

11. Replace control door.

12. Turn on all electric power to the appliance.

13. Set thermostat to desired setting.

TO TURN OFF GAS TO THE APPLIANCE

1. Set the thermostat to the lowest setting.

2. Turn off all electric power to the appliance if service is to be performed.

3. Remove the control door.

4. Turn the gas control knob to the "OFF" position, or depress the gas control lever and move to the "OFF" position.

5. Replace control door.


**OPERATING INSTRUCTIONS (HOT SURFACE IGNITION SYSTEM)**

1. **STOP!** Read all safety information.
2. Set the thermostat to the lowest setting.

3. Turn off all electric power to the appliance.
4. This appliance does not have a pilot burner. It is equipped with an ignition device which automatically lights the burner. Do not try to light the burner by hand.
5. Remove control door.
6. HONEYWELL OR WHITE ROGERS VALVE: Turn the gas control knob clockwise to “OFF” position.
   - ROBERTSHAW 7200 VALVE: Depress the gas control lever and move to “OFF” position.
7. Wait five (5) minutes to clear out any gas. If you then smell gas, STOP! Follow ‘B’ in the safety information above. If you don’t smell gas, go to the next step.
8. HONEYWELL VALVE: Turn on the gas to the main burners by turning the gas control knob counterclockwise to the “ON” position.
   - ROBERTSHAW 7200 VALVE: Move the gas control lever from the “OFF” to the “ON” position.
9. Replace the control door.
10. Turn on all electric power to the appliance.
11. Set the thermostat to the desired setting.
12. If the appliance will not operate, follow the instructions “To Turn Off Gas To The Appliance” and call your qualified installer, service agency or the gas supplier.

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**TO TURN OFF GAS TO THE APPLIANCE**

1. Set the thermostat to the lowest setting.
2. Turn off all electric power to the appliance if service is to be performed.
3. Remove the control door.
4. Turn the gas control knob to the “OFF” position, or depress the gas control lever and move to the “OFF” position.
5. Replace the control door.

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**FLAME ROLL-OUT SAFETY Switches**

This furnace is equipped with limit switches to protect against overtemperature conditions in the control compartment caused by inadequate combustion air supply. The switch is located just above the burners on the blower divider panel. Switches for the UPFLOW HORIZONTAL are located on both sides of the burner brackets and just above the burners on the blower divider panel. If a switch is tripped it must be manually reset. DO NOT jumper this switch. If this switch should trip, a qualified installer, service agency or the gas supplier should be called to check and/or correct for adequate combustion air supply.

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**MAINTENANCE**

**WARNING**

DISCONNECT MAIN ELECTRICAL POWER TO THE UNIT BEFORE ATTEMPTING ANY MAINTENANCE. FAILURE TO DO SO CAN CAUSE ELECTRICAL SHOCK RESULTING IN SEVERE PERSONAL INJURY OR DEATH.

**CAUTION**

DO NOT OPERATE YOUR SYSTEM FOR EXTENDED PERIODS WITHOUT FILTERS. A PORTION OF THE DUST ENTRAINED IN THE AIR MAY TEMPORARILY LODGE IN THE AIR DUCT RUNS AND AT THE SUPPLY REGISTERS. ANY RECIRCULATED DUST PARTICLES WILL BE HEATED AND CHARRED BY CONTACT WITH THE FURNACE HEAT EXCHANGER. THIS RESIDUE WILL SOIL CEILINGS, WALLS, DRAPEs, CARPETS, AND OTHER HOUSEHOLD ARTICLES.

IT IS RECOMMENDED THAT AN ANNUAL INSPECTION OF YOUR FURNACE BE DONE BY A QUALIFIED INSTALLER, SERVICE AGENCY OR THE GAS SUPPLIER.

**FILTER MAINTENANCE**

Have your qualified installer, service agency or the gas supplier instruct you on how to access your filters for regular maintenance.

**WARNING**

TURN OFF ELECTRICAL POWER TO FURNACE BEFORE REMOVING FRONT ACCESS DOOR. FAILURE TO DO SO CAN RESULT IN ELECTRICAL SHOCK, SEVERE PERSONAL INJURY OR DEATH.

Keep air filters clean at all times. Vacuum dirt from filter, wash with detergent and water, air dry thoroughly and reinstall. After filters are cleaned and returned to the furnace, be sure doors are properly reinstalled. If you are not totally sure of this procedure, consult a qualified installer, service agency or the gas supplier.
### Downflow Filter Sizes

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<th>Furnace Width</th>
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<th>Size Depth</th>
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### Upflow Filter Sizes

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<th>Size Depth</th>
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### Figures

- **Figure 3. Upflow Filter Location**
- **Figure 4. Upflow Side Filter Installation**
- **Figure 5. Downflow Filters Installation**
REMOVING FILTERS
UPFLOW FURNACE - FILTER IN BOTTOM LOCATION
1. Remove the blower compartment access door.
2. Disengage the filter retaining rod and pull filter out.
3. Clean filter and reinstall.

DOWNFLOW FURNACE - FILTERS IN TOP DUCT LOCATION
1. Remove the blower compartment access door.
2. Push up and in on the filters to disengage from retaining bracket and pull filters out.
3. Clean filter(s) and reinstall.

ROUTINE MAINTENANCE
Routine maintenance to be provided by a qualified installer, service agency or the gas supplier ONLY.

LUBRICATION
The blower motor and induced draft motor are prelubricated by the manufacturer and do not require further attention.

WARNING
DISCONNECT MAIN ELECTRICAL POWER TO THE UNIT BEFORE ATTEMPTING ANY MAINTENANCE. FAILURE TO DO SO CAN RESULT IN ELECTRICAL SHOCK, SEVERE PERSONAL INJURY OR DEATH.

COMBUSTION AREA AND VENT SYSTEM
1. It is recommended that an annual inspection of your furnace be done by a qualified installer, service agency or the gas supplier.
2. Turn OFF the electrical supply to the furnace and remove the access doors.
3. Inspect the gas burners for dirt, rust, or scale.

WARNING
IF DIRT, RUST, SOOT OR SCALE ACCUMULATIONS ARE PRESENT, DO NOT OPERATE THE FURNACE. INSPECT THE HEAT EXCHANGERS FOR LEAKS. LEAKS CAN CAUSE TOXIC FUMES TO ENTER THE HOME RESULTING IN CARBON MONOXIDE POISONING OR DEATH.
4. Inspect the the flue connection area and vent pipe. Be sure that the vent connector is in place and slopes upward and is physically sound, without holes or excessive corrosion.

WARNING
IF HOLES ARE FOUND IN THE VENT PIPE, OR IF IT HAS BECOME DISCONNECTED, TOXIC FUMES CAN ESCAPE INTO THE HOME RESULTING IN CARBON MONOXIDE POISONING OR DEATH. DO NOT OPERATE THIS FURNACE. APPROPRIATE SERVICE MUST BE APPLIED.
5. Be sure that the return air duct connections are physically sound, are sealed to the furnace casing and terminate outside the space containing the furnace.
6. Be sure the physical support of the furnace is sound, without sags, cracks, etc., around the base so as to provide a seal between the support and the base.
7. Look for obvious signs of deterioration of the furnace.
8. If the furnace is free of the above conditions, replace the access doors and restore electrical power to the furnace.
9. Start the furnace and observe its operation. Watch the burner flames to see if they are bright blue. If a suspected malfunction is observed, or the burner flames are not bright blue, apply appropriate service.