PRODUCT FEATURES (CONTINUED)

NOTICE

A qualified service person must install the heater. Follow all local codes.

CHECK GAS TYPE

Use only the type of gas indicated on the rating plate.

INSTALLATION

INSTALLATION ITEMS

Before installing heater, make sure you have the items listed below.

- Piping (check local codes)
- Sealant (resistant to propane gas)
- Manual shutoff valve
- Ground joint union
- Test gauge connection
- Sediment trap
- Tee joint
- Pipe wrench

> The installation location shall provide the following;
> A) adequate combustion and ventilation air, and
> B) adequate accessibility clearances for servicing.

MINIMUM CLEARANCE FROM COMBUSTIBLE CONSTRUCTION

Rear..... 0 Inches/0mm (to bracket)
Sides..... 6 Inches/152mm
Top..... 36 Inches/914mm
Floor..... 6 Inches/152mm (to top of carpeting, tile, etc.)

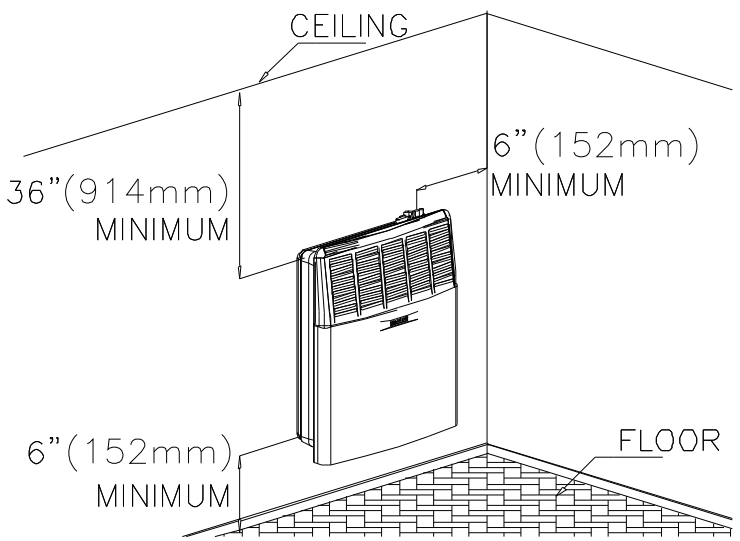
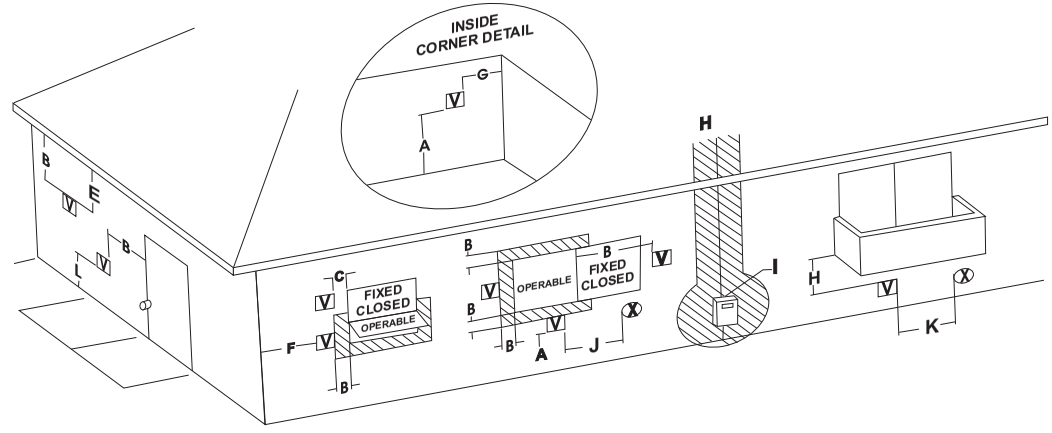


Figure 4



V VENT TERMINAL **X AIR SUPPLY INLET** **AREA WHERE TERMINAL IS NOT PERMITED**

		Canadian Installations [1]	US Installations [2]
A=	Clearance above grade, veranda, porch, deck, or balcony	12 inches (30 cm)	12 inches (30 cm)
B=	Clearance to window or door that may be opened	6 inches (15 cm) for appliances ≤ 10,000 Btuh (3 kW), 12 inches (30 cm) for appliances > 10,000 Btuh (30 kW), 36 inches (91 cm) for appliances > 100,000 Btuh (30 kW)	6 inches (15 cm), for appliances ≤ 10,000 Btuh (3 kW), 9 inches (23 cm) for appliances > 10,000 Btuh (3 kW) and ≤ 50,000 Btuh (15 kW), 12 inches (30 cm) for appliances > 50,000 Btuh (15 kW)
C=	Clearance to permanently closed window	*	*
D=	Vertical clearance to ventilated soffit located above the terminal within a horizontal distance of 2 feet (61 cm) from the center line of the terminal	*	*
E=	Clearance to unventilated soffit	*	*
F=	Clearance to outside corner	*	*
G=	Clearance to inside corner	*	*
H=	To each side of the center line extended above meter/regulator assembly	3 feet (91 cm) within a height 15 feet (4.5 m) above the meter/regulator assembly	*
I=	Clearance to service regulator vent outlet	3 feet (91 cm)	*

		Canadian Installations [1]	US Installations [2]
J=	Clearance to nonmechanical air supply inlet to building or the combustion air inlet to any other appliance	6 inches (15 cm.) for appliances ≤ 10,000 Btuh (3 kW), 12 inches (30 cm) for appliances > 10,000 Btuh (3 kW) and ≤ 100,000 Btuh (30 kW), 36 inches (91 cm) for appliances > 100,000 Btuh (30 kW)	6 inches (15 cm.) for appliances ≤ 10,000 Btuh (3 kW), 9 inches (23 cm) for appliances > 10,000 Btuh (3 kW) and ≤ 50,000 Btuh (15 kW), 12 inches (30 cm) for appliances > 50,000 Btuh (15 kW)
K=	Clearance to a mechanical air supply inlet	6 feet (1.83 m)	3 feet (91 cm) above if within 10 feet (3 m) horizontally
L=	Clearance above paved sidewalk or paved driveway located on public property	7 feet (2.13 m)†	*
M=	Clearance under veranda, porch, deck, or balcony	12 inches (30 cm) ‡	*

1 In accordance with the current CSA B149.1, National Gas and Propane Installation Code
2 In accordance with the current ANSI Z223.1/NFPA 54, National Fuel Gas Code
† A vent shall not terminate directly above a sidewalk or paved driveway that is located between two single family dwellings and serves both dwellings.
‡ Permitted only if veranda, porch, deck, or balcony is fully open on a minimum of two sides beneath the floor.

* For clearances not specified in ANSI Z223.1/NFPA 54 or CSA B149.1: "Clearance in accordance with local installation codes and the requirements of the gas supplier."

Vent Terminal Clearances

INSTALLATION (CONTINUED)

This appliance may be installed in an aftermarket, permanently located, manufactured home (USA only) or mobile home, where not prohibited by local codes.
This appliance is only for use with the type of gas indicated on the rating plate. This appliance is not convertible for use with other gases, unless a certified kit is used.

IMPORTANT: This appliance should only be installed by a qualified installer.
The installation must conform with local codes or, in the absence of local codes, with the *National Fuel Gas Code, ANSI Z223.1/NFPA 54, Natural Gas and Propane Installation Code, CSA B149.1.*

Installer l'appareil selon les codes ou règlements locaux, ou en l'absence de tels règlements, selon les codes d'installation *Code d'installation du gaz naturel et du propane, CSA B149.1.*

IMPORTANT

- **The appliance area must be kept clear and free from combustible materials, gasoline, and other flammable vapors and liquids.**
- **Due to high temperatures, the appliance should be located out of traffic and away from furniture and draperies.**
- **Children and adults should be alerted to the hazards of high surface temperature and should stay away to avoid burns or clothing ignition.**
- **Young children should be carefully supervised when they are in the same room as the appliance.**
- **Clothing or other flammable material should not be placed on or near the appliance.**
- **Any safety screen or guard removed for servicing an appliance must be replaced prior to operating the appliance.**

Installation and repair should be done by a qualified service person. The appliance should be inspected before use and at least annually by a qualified service person. More frequent cleaning may be required due to excessive lint from carpeting, bedding material, etc. It is imperative that control compartments, burners and circulating air passageways of the appliance be kept clean.

WARNING: Failure to position the parts in accordance with these diagrams, or failure to use only parts specifically approved with this appliance may result in property damage or personal injury.
AVERTISSEMENT: Risque de dommages ou de blessures si les pièces ne sont pas installées conformément à ces schemas et ou si des pièces autres que celles spécifiquement aprouvées avec cet appareil sont utilisées.

INSTALLING THE APPLIANCE

Separate the hanging bracket from the appliance by removing two screws on the top and two nuts at the bottom.

INSTALLING THE HANGING BRACKET ON A NON-COMBUSTIBLE WALL (i.e., MASONRY BLOCK OR CONCRETE)

1. Draw the position of the hole for the air-vent intake pipe, taking into account the minimum clearances mentioned in figure 4. See diameter of the hole “D” and height to the center “C” in table 1 and figure 5 for the different models. Height “C” is the minimum recommended.

INSTALLATION (CONTINUED)

TABLE1

MODEL	C	D
AGDV8N - AGDV8L	19 ½" (495 mm)	6 ¾" (172 mm)
AGDV12N - AGDV12L	19 ½" (495 mm)	7 ¾" (197 mm)
AGDV20N - AGDV20L	19" (483 mm)	8 ¾" (222 mm)

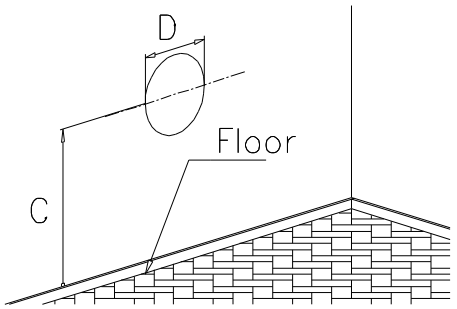


Figure 5

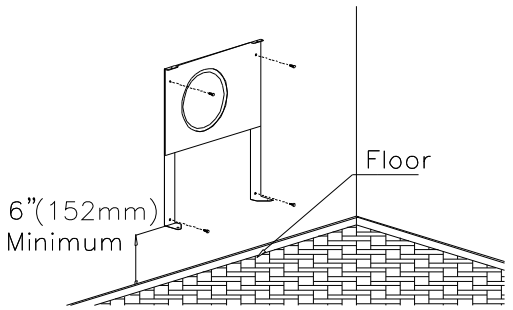


Figure 6

2. Drill through the wall according to measurements and positions indicated.
3. Place hanging bracket over the hole. After leveling the hanging bracket, mark the four holes as shown in figure 6.
4. Remove the hanging bracket and drill the four holes.
5. Insert in each hole the anchors provided.
6. Place back the hanging bracket and fix it with four screws.

INSTALLING THE HANGING BRACKET ON A WOODEN WALL

1. Taking into account the minimum clearances mentioned in figure 4, locate the closest wall stud (which will serve to hold the appliance) and mark the hole center at a distance "A", (if wall stud is at the right), or "B", (if the stud is at the left). See table 2 and figures 7 and 8.
2. Draw the position of the hole for the vent-air intake pipe. See diameter of the hole "D" and height to the center "C" in table 2 for the different models. Height "C" is the minimum recommended.

TABLE 2

MODEL	A	B	C	D
AGDV8N - AGDV8L	5 9/16" (141 mm)	3 31/32" (101 mm)	19 ½" (495 mm)	6 ¾" (172 mm)
AGDV12N - AGDV12L	7 13/16" (198 mm)	5 7/16" (138 mm)	19 ½" (495 mm)	7 ¾" (197 mm)
AGDV20N - AGDV20L	13 11/64" (335 mm)	10 7/8" (276 mm)	19" (483 mm)	8 ¾" (222 mm)

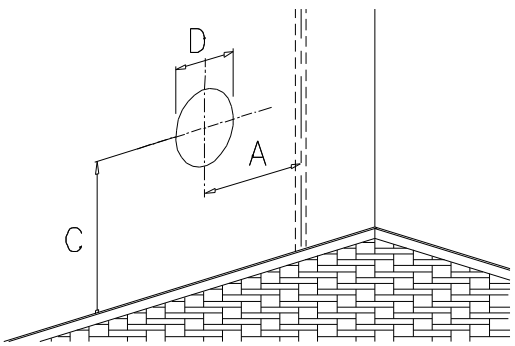


Figure 7

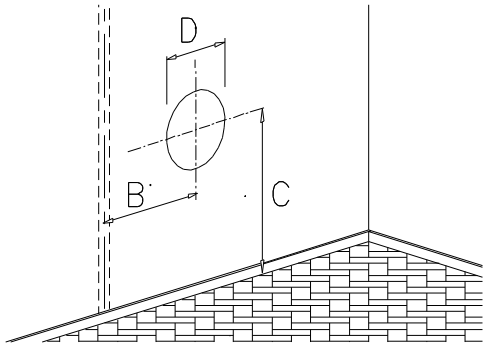


Figure 8

INSTALLATION (CONTINUED)

1. Drill through the wall according to measurements and positions indicated.
2. Place wall bracket over the hole. After leveling the hanging bracket, mark the four holes as shown in figures 9 and 10.

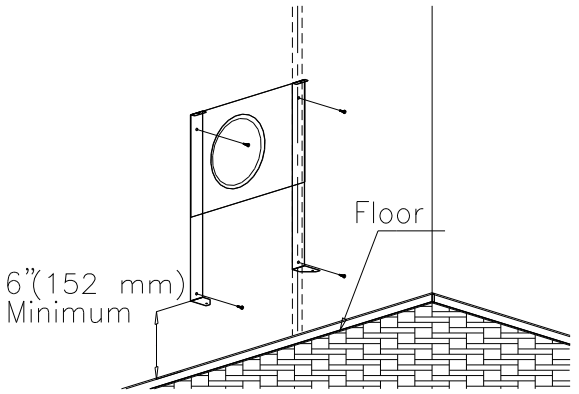


Figure 9

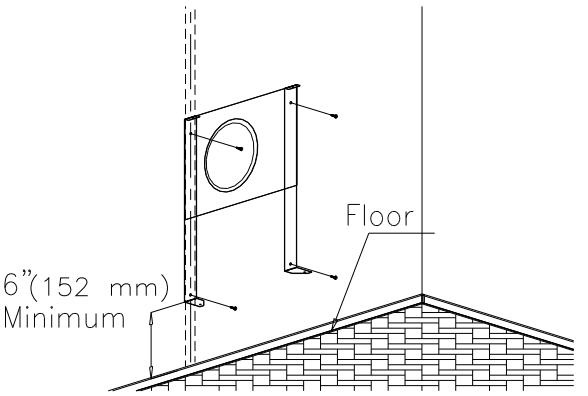


Figure 10

5. Remove the hanging bracket and drill the four holes.
6. Insert in each hole the anchors provided.
7. Place back the hanging bracket and fix it with four screws.

MOUNTING THE HEATER ON HANGING BRACKET

Place the heater on the hanging bracket and fix it with its screws. (See Figure 11 and 12).

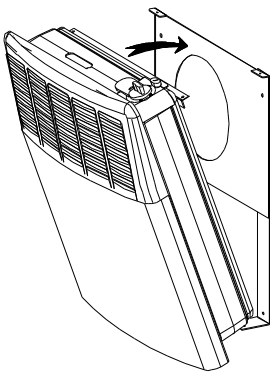


Figure 11

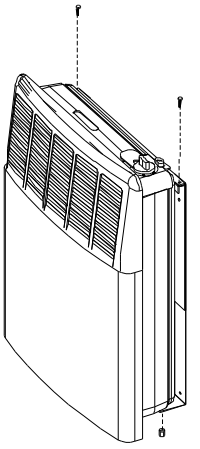


Figure 12

ATTENTION:

THE ATTACHED SET OF THREE MARKING PLATES (RATING PLATE, OPERATION INSTRUCTIONS, AND SAFETY PLATE) MUST NOT BE REMOVED FROM THE APPLIANCE AT ANY TIME.

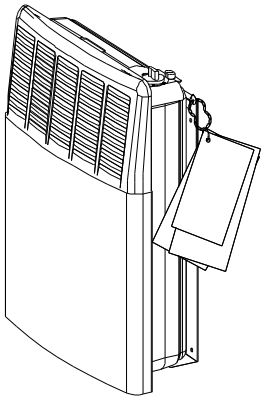


Figure 13

INSTALLATION (CONTINUED)

INSTALLING THE VENTING SYSTEM

These models of wall furnaces are designed for direct venting through a wall.
Only venting components specifically approved for these furnaces may be used.
The flow of combustion gases and ventilation air must not be obstructed.
Minimum clearance between pipes and combustible materials is one (1) inch (25.4 mm).

Vent terminal must be 18.0" away from an adjacent wall.
Minimum clearance between vent cap and combustible material 1 ¾".

IMPORTANT: The appliance's venting system should be inspected at least once a year and immediately cleaned if necessary.

IMPORTANT: THE VENT-AIR INTAKE SYSTEM MUST BE PROPERLY INSTALLED TO INSURE PROPER AND SAFE OPERATION. THE VENT-AIR INTAKE SYSTEM MUST ALSO BE PROPERLY RE-INSTALLED AND RE-SEALED TO INSURE PROPER AND SAFE OPERATION.

Warning: Failure to position the parts in accordance with these diagrams or failure to use only parts specifically approved with this appliance may result in property damage or personal injury.
Avertissement: Risque de dommages ou de blessures si les pièces ne sont pas installées conform´ment à ces schémas et ou si des pièces autres que celles spécifiquement approuvées avec cet appareil sont utilisées.

CAUTION: ALL JOINTS MUST BE AIR-TIGHT.

The venting system consists of: one injected-aluminum cap (A), one vent pipe (B), one vent-air intake pipe (C), one rod (D), one nut (E), one outdoor mounting plate (F) and one silicon-rubber ring (G). (See figure 14).

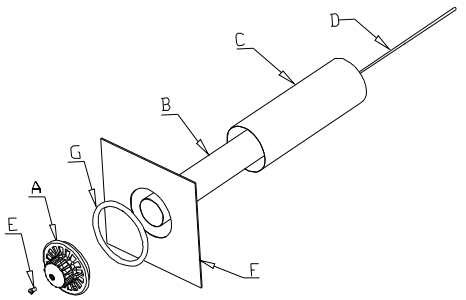


Figure 14

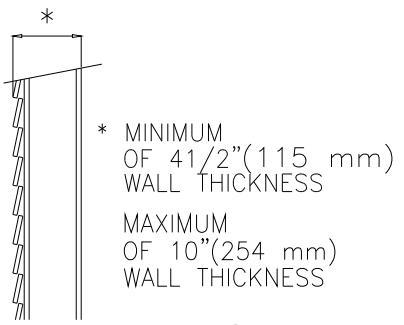


Figure 15

1. Measure thickness of the wall as shown in figure 15.
2. If pipes (B), (C) and the rod are long, trim them according to thickness of the wall, as shown in the following table.

TABLE 3
Lengths of pipes and rod.

vent pipe (B)	vent-air intake pipe (C)	Rod (D)
wall thickness + 3 3/8" (86 mm)	wall thickness + 2 1/2" (64 mm)	wall thickness +57/8"(149.5mm)

3. The hole at the outside of the wall must be a square of 11 ½" (290 mm) x 11 ½" (290 mm). (See figure 17).
4. From the outside of the wall, screw the rod slightly onto support located inside the appliance flue outlet.
5. Slide pipes (B) and (C) through the hole in the wall, and connect them to the appliance flue outlet and air intake, respectively.
6. The outdoor mounting plate and the silicon-rubber ring should be installed between the vent cap and the exterior wall. The plate must be positioned flush to the wall and with its standoffs inserted into the wall and sealed with a non-hardening mastic (silicone caulk). (See figure 17).
   Position the outdoor mounting plate so that the vent-air intake pipe has a slight downward slope to the outside. **The downward slope is necessary to prevent the entry of rainwater.**

INSTALLATION (CONTINUED)

7. Before attaching the vent cap to the exterior wall, run a bead of non-hardening mastic (silicone caulk) around its outside edge, so as to make a seal between it and the plate. (See figure 17).
8. Place cap and screw nut “E”, until cap leans against the plate. (See figures 16 and 17).

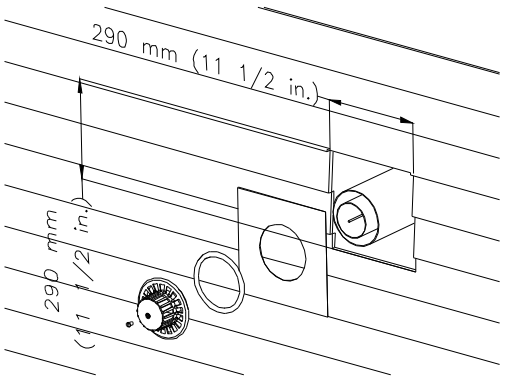


Figure 16

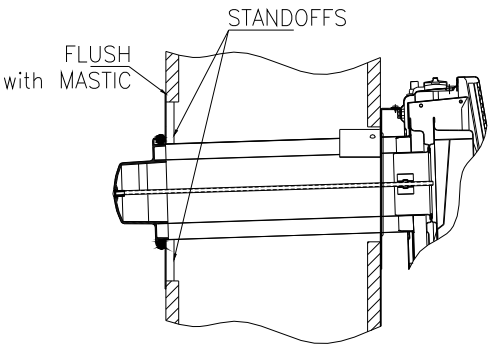


Figure 17

INSTALLING THE THERMOSTAT SENSOR (MODELS AGDV12 AND AGDV20)

In order to protect the thermostat sensor from any damage during shipping, or while handling it before it is definitely installed, the thermostat sensor has not been attached to its final location in the appliance.
So, once the heater is installed, the thermostat sensor must be placed and secured in position. To do so, follow these steps:

1. Separate the front panel of the appliance by removing the two nuts in the bottom and sliding it up as shown in figure 18.

2. Place the thermostat sensor under the right bottom of the bracket and fix it with the same nut that fixes the appliance to bracket as shown in figures 19 and 20

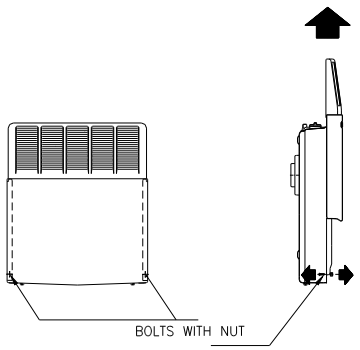


Figure 18

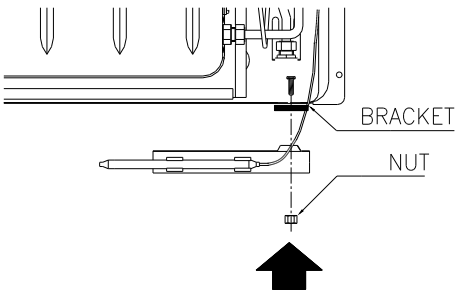


Figure 19

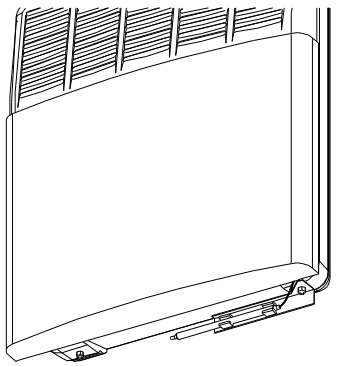


Figure 20

GAS PIPING

Gas Connection

1) We recommend using only new black iron or steel pipe. CHECK LOCAL CODES.
2) The gas supply line shall be sized and installed to provide a sufficient supply of gas to meet the maximum demand of the heater without undue loss of pressure.
3) The sealant used on the threaded joints of the gas pipe must be a type resistant to the action of L.P.Gas. (This sealant should be applied lightly to main threads to ensure excess sealant does not enter lines.)
4) The supply system must include a manual shut off valve and connection in the line, so the heater can be disconnected for servicing. (See Figure 21).
5) Include a drip leg (trap) and a plugged 1/8" N.P.T. tapping in the line. The tapping should be accessible for test gauge connections upstream of the gas supply connection to the heater.

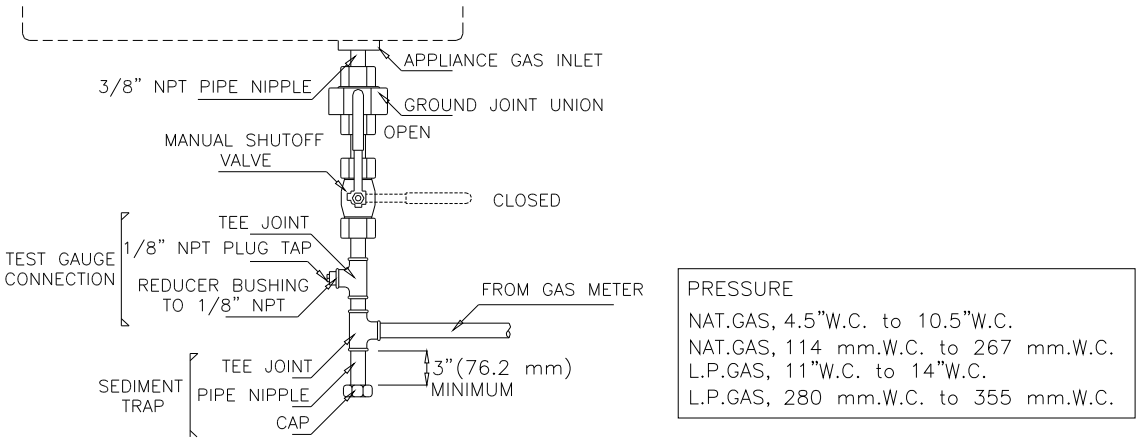


Figure 21

WARNING: For L.P.Gas, use **PRESSURE REGULATED** gas supply. Do not directly connect LP supply tank to the pressure regulator on the heater. The LP supply tank must have its own separate pressure regulator that can reduce the supply tank gas pressure down to a maximum of 14 inches (355 mm) of water column pressure.

IMPORTANT: Hold the gas inlet of the appliance with wrench when connecting it to gas piping and/or fittings.

CHECK AFTER GAS CONNECTION

WARNING: All gas piping and connections must be tested for leaks after installation or servicing. All leaks must be corrected immediately.

1. Make sure the control of the heater is in the "OFF" position.
2. Open the manual shut off valve. Test for leaks by applying liquid detergent to all joints. Check all joints from gas meter to thermostat gas valve. (Bubbles forming indicate a gas leak)
3. Correct any leak defect at once.

GAS PIPING (CONTINUED)

CAUTION: NEVER USE AN OPEN FLAME TO CHECK FOR LEAKS

Pressure testing supply line

ATTENTION: This appliance and its appliance main gas valve must be disconnected from the gas supply piping system during any pressure testing of that system at test pressures in excess of ½ psi (3,5 kPa).

The appliance must be isolated from the gas supply piping system by closing equipment shutoff valve during any pressure testing of the gas supply piping system at test pressures equal to or less than ½ psi (3,5 kPa).

OPERATION

Read the following instructions carefully (you can also find them on the plates attached to the heater back):

Lisez attentivment les instructions suivantes (vous les trouverez aussi les plaques jointes sur la partie derrière de l'appareil).

FOR YOUR SAFETY READ BEFORE LIGHTING

WARNING: If you do not follow these instructions exactly, a fire or explosion may result causing property damage, personal injury or loss of life.

A. This appliance has a pilot which must be lighted by hand. When lighting the pilot, follow these instructions exactly.

B. BEFORE LIGHTING 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.
- If you cannot reach your gas supplier, call the fire department.

C. Use only your hand to push in or turn the gas control knob. Never use tools. If the knob will not push in or turn by hand, don't try to repair it, call a qualified service technician. Force or attempted repair may result in a fire or explosion.

D. Do not use this appliance if any part has been under water. Immediately call a qualified service technician to inspect the appliance and to replace any part of the control system and any gas control which has been under water.

LIRE AVANT D'ALLUMER

AVERTISSEMENT: Quiconque ne respecte pas à la lettre les instructions dans le présent manuel isque de déclencher un incendie ou une explosion entraînant des dommages matériels, des lésions corporelles ou la perte de vies humaines.

A. Cet appareil est muni d'une vielleue qui doit être allumée manuellement. Respecter les instructions cidessous à la lettre.

B. Avant d'allumer la veilleuse, renifler tout autour de l'appareil pour déceler une odeur de gaz. Renifler près du plancher, car certains gaz sont plus lourds que láir et peuvent s'accumuler au niveau du sol.

QUE FAIRE S'IL Y A UNE ODEUR DE GAZ:
- Ne pas tenter d'allumer l'appareil.
- Ne touchez aucun interrupteur électrique; n'utiliser aucun téléphone dans bâtiment. Appeler immédiatement le fournisseur de gaz en employant le téléphone d'un voisin.
- Respecter à la lettre les instructions du fournisseur de gaz.
- Si personne ne répond, appeler le service des incendies.

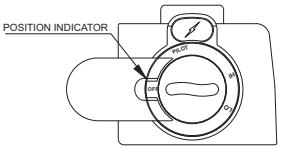
C. Ne pousser ou tourner la manette d'admission du gaz qu'a la main; ne jamais employer d'outil à cet effet. Si la manette reste coincée, ne pas tenter de la réparer; appeler un technicien qualifié. Quiconque tente de forcer la manette ou de la réparer peut déclencher une explosion ou un incendie.

D. Ne pas se servir de cet appareil s'il a été plongé dans l'eau, complètement ou en partie. Appeler un technicien qualifié pour inspecter l'appareil et remplacer toute partie du système de contrôle et commande qui ont été plongés dans l'eau.

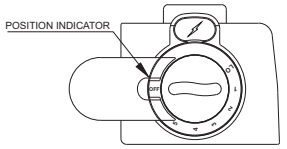
OPERATION (CONTINUED)

LIGHTING INSTRUCTIONS

1. STOP! Read the safety information on the attached plate.
2. Check that gas supply to heater is on.
3. Set the thermostat to the lowest setting. (If applicable).
4. Push in gas control knob slightly and turn clockwise ↷ to "OFF" position. Do not force.



Model AGDV8



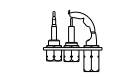
Model AGDV12 and 20

NOTE: Knob cannot be turned from "PILOT" to "OFF" unless knob is pushed in slightly. Do not force.

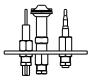
5. Wait five (5) minutes to clear out any gas. If you then smell gas, STOP! Follow "B" in the safety information above this label. If you don't smell gas, go to the next step.

6. Find pilot. The pilot can be seen through the view port on the top of the appliance.

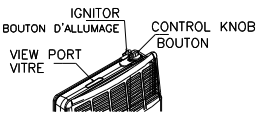
Pilot Burner



Model AGDV8 and 12



Model AGDV20



7. Turn gas control knob counterclockwise ↶ to "PILOT".
   Keep control knob depressed and continuously push the white piezo button.
   This should cause the spark from the ignitor to light the pilot gas. Keep control knob depressed for ten (10) seconds before releasing. If Pilot does not light, repeat step 6.
   NOTE: It may be necessary to press for thirty (30) seconds if this is first time heater is connected to the gas supply.

   If the knob does not pop up when released, stop and immediately call your service technician or gas supplier.
   If the pilot will not stay lit after several tries, turn the gas control knob to "OFF" and call your service technician or gas supplier.

8. When pilot is lit, turn the control knob counterclockwise ↶ to desired heating level.
9. Set thermostat to desired setting. (If applicable).

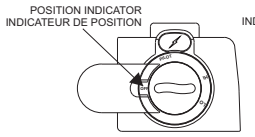
TO TURN OFF GAS TO APPLIANCE

1. Set thermostat to lowest setting. (If applicable).
2. Turn control knob clockwise ↷ to the "OFF" position. Do not Force.

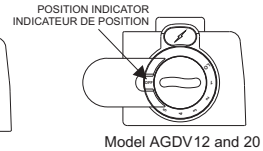
CAUTION:Wait five (5) minutes before re-lighting heater.

ALLUMAGE

1. ARRÊTER! Lisez les instructions de sécurité sur la portion supérieure de cette étiquette.
2. Vérifire que la fourniture de gaz à l'appareil de chauffage soit ouverte.
3. Régler le thermostat à la température la plus basse.
4. Appuyez doucement sur le bouton et tournez-le en direction des aigüilles d'une montre ↷ jusqu'à la position "OFF" (Fermée). Ne la forcez pas.



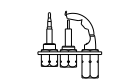
Model AGDV8



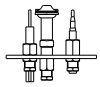
Model AGDV12 and 20

NB: On ne peut tourner le bouton depuis la position "PILOT" (Veilleuse) jusqu'à la position "OFF" (Fermée) que si l'on appuie doucement . Ne la forcez pas.

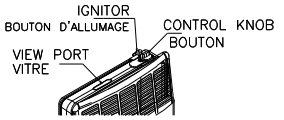
5. Attendre cinq (5) minutes pour laisser échapper tout le gaz. Renifler tout autiur de l'appareil, y compris près du plancher, pour déceler une odeur de gaz. Si cést le cas, ARRÊTER! Passer a l'étape B des instructions de sécurité sur la portion supérieure de cette étiquette. S'il n'y a pas d'odeur de gaz, passer à l'étape suivante.
6. Trouvez la veilleuse : elle peut être vue à travers la petite vitre sur la partie supérieure de l'appareil.



Model AGDV8 and 12



Model AGDV 20



7. Tournez le bouton en direction contraire aux aiguïlles d'une montre ↶ jusqu'à la position "PILOT" (Veilleuse). Appuyez sur le bouton d'allumage.
   Ceci doit provoquer l'étincelle qui va allumer le gaz de la veilleuse.
   Continuez à appuyer sur le bouton pendant dix secondes.
   Si la veilleuse ne sállume pas, répétez le pas No. 6.
   NB: Si c'est la première fois que le chauffage est connecté au réseau de gaz, il peut être nécessaire d'appuyer sur le bouton pendant trente secondes.
   Si la manette ne se soulève pas d'lle-même lorsqu'on la relâche, arrêter et appeler immédiatement un technicien qualifié ou le fournisseur de gaz.
   Si la veilleuse no reste pas allumée après plusieurs tentatives, régler la manette d'admissioon du gaz à la position OFF et appeler un technicien qualifié ou le fournisseur de gaz.
8. Quand la veilleuse est allumée, tounez le bouton dans le sens contraire aux aiguïlles d'une montre ↶ jusqu'à le niveau désiré.
9. Régler le thermostat à la température désirée.

POUR COUPER L'ADMISION DE GAZ DE L'APPAREIL

1. Régler le thrmostat à la température la plus basse.
2. Tournez le bouton dans la direction des aiguïlles d'une montre ↷ jusqu'à la position "OFF" (Fermée).

ATTENTION: Attendez cinq (5) minutes avant de rallumer l'appareil.