

User's Manual for



# Brute OmniTech™

**with touchscreen controls**

**ONH/ONV ( CAT I and CAT III )**

**OCH/OCV ( CAT II and CAT IV )**

<b>Boiler</b>	<b>Water Heater</b>
Model B__H1250 1,250 MBTU/h	Model B__V1250 1,250 MBTU/h
Model B__H1500 1,500 MBTU/h	Model B__V1500 1,500 MBTU/h
Model B__H1750 1,750 MBTU/h	Model B__V1750 1,750 MBTU/h
Model B__H2000 2,000 MBTU/h	Model B__V2000 2,000 MBTU/h
Model B__H2500 2,500 MBTU/h	Model B__V2500 2,500 MBTU/h
Model BOCH3000 3,000 MBTU/h	Model BOCV3000 3,000 MBTU/h

**FOR YOUR SAFETY:** This product must be installed and serviced by a professional service technician, qualified in hot water boiler and heater installation and maintenance. Improper installation and/or operation could create carbon monoxide gas in flue gases which could cause serious injury, property damage, or death. Improper installation and/or operation will void the warranty.

**⚠ 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.**

Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other unit.

**WHAT TO DO IF YOU SMELL GAS**

- Do not try to light any unit.
- Do not touch any electrical switch; do not use any phone in your building.
- Immediately call your gas supplier from a nearby phone. Follow the gas supplier's instructions.
- If you cannot reach your gas supplier, call the fire department.

Installation and service must be performed by a qualified installer, service agency, or gas supplier.

**⚠ AVERTISSEMENT**

**Assurez-vous de bien suivre les instructions données dans cette notice pour réduire au minimum le risque d'incendie ou d'explosion ou pour éviter tout dommage matériel, toute blessure ou la mort.**

Ne pas entreposer ni utiliser d'essence ni d'autres vapeurs ou liquides inflammables dans le voisinage de cet appareil ou de tout autre appareil.

**QUE FAIRE SI VOUS SENTEZ UNE ODEUR DE GAZ:**

- Ne pas tenter d'allumer d'appareils.
- Ne touchez à aucun interrupteur. Ne pas vous servir des téléphones dans le bâtiment où vous êtes.
- Appelez immédiatement votre fournisseur de gaz depuis un voisin. Suivez les instructions du fournisseur.
- Si vous ne pouvez rejoindre le fournisseur de gaz, appelez le service des incendies.

L'installation et l'entretien doivent être assurés par un installateur ou un service d'entretien qualifié ou par le fournisseur de gaz.

## **TABLE OF CONTENTS**

### **SECTION 1.**

1.1	For Your Safety and Instructions.....	3-4
1.2	General Care .....	5
1.3	Annual Inspection of Flues and Vents .....	5
1.4	Shutting Down the OmniTech .....	5
1.5	To Restart the OmniTech .....	5
1.6	In the Event of Power Failure .....	5
1.7	Full Service Every 3 Years.....	5
1.8	Annual Maintenance .....	6

## SECTION 1.

### 1.1 For Your Safety and Instructions

#### 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.**

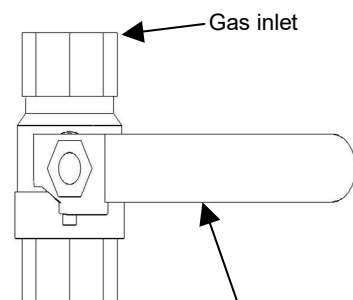
- A. This appliance does not have a pilot. It is equipped with an ignition device which automatically lights the burner. Do not try to light the burner by hand.
- B. BEFORE OPERATING smell all around the appliance area for gas. Be sure to smell next to the floor because some gas is heavier than air and 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.
  - If you cannot reach your gas supplier, call the fire department.
- C. Use only your hand to turn the gas valve handle. Never use tools. If the valve handle will not 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.

#### OPERATING INSTRUCTIONS

1. STOP! Read the safety information above on this label.
2. Turn off all electric power to the appliance.
3. Set the thermostat to lowest setting.
4. This appliance is equipped with an ignition device which automatically lights the burner. Do not try to light the burner by hand.
5. Remove front access panel.
6. Turn off manual gas valve. Valve is off when valve handle is at a right angle to gas pipe.
7. Wait five (5) minutes to clear out any gas. Then smell for gas, including near the floor. If you do smell gas, STOP! Follow "B" in the safety information above on this label. If you don't smell gas, go to next step.
8. Slowly turn manual gas valve to "ON". Valve handle will be parallel to gas pipe.
9. Replace front panel.
10. Set thermostat to desired setting.
11. Turn on all electric power to the appliance.
12. If the appliance will not operate, follow the instructions "To Turn Off Gas To Appliance" and call your service technician or gas supplier.



Manual Gas Valve Shown in the "OFF" Position

#### TO TURN OFF GAS TO APPLIANCE

1. Turn off all electric power to the appliance if service is to be performed.
2. Set the thermostat to lowest setting.
3. Remove front access panel.
4. Turn off manual gas valve. Valve is off when valve handle is at a right angle to gas pipe.
5. Replace front panel.

## POUR VOTRE SÉCURITÉ, LISEZ AVANT DE METTRE EN MARCHÉ

**⚠ AVERTISSEMENT:** Quiconque ne respecte pas à la lettre les instructions dans la présente notice risque un début d'incendie ou une explosion entraînant des dommages, des blessures ou la mort.

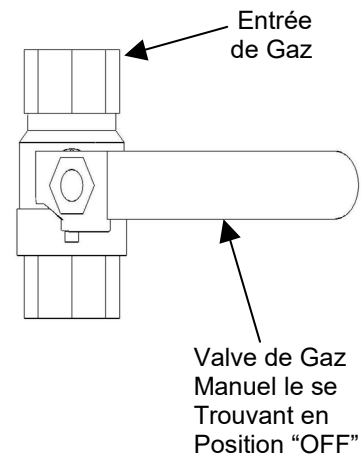
- A. Cet appareil est muni d'un dispositif d'allumage qui allume automatiquement la veilleuse. Ne tentez pas d'allumer la veilleuse manuellement.
- B. AVANT DE FAIRE FONCTIONNER, reniflez tout autour de l'appareil pour déceler une odeur de gaz. Reniflez près du plancher, car certains gaz sont plus lourds que l'air et peuvent s'accumuler au niveau du sol.

### QUE FAIRE SI VOUS SENTEZ UNE ODEUR DE GAZ

- Ne pas tenter d'allumer d'appareil.  
Ne toucher à aucun interrupteur; ne pas vous servir des téléphones se trouvant dans le bâtiment.
  - Appelez immédiatement votre fournisseur de gaz depuis un voisin. Suivez les instructions du fournisseur.
  - Si vous ne pouvez rejoindre le fournisseur, appelez le service des incendies.
- C. N'utilisez que votre main pour fermer la soupape d'arrêt de gaz. N'utilisez jamais d'outils. Si la poignée de la valve ne tourne pas manuellement, ne tentez pas de la réparer. Communiquez avec un technicien de service qualifié. Le fait de forcer ou de tenter de réparer la poignée pourrait causer un incendie ou une explosion.
  - D. N'utilisez pas cet appareil s'il a été plongé dans l'eau, même partiellement. Faites inspecter l'appareil par un technicien qualifié et remplacez toute partie du système de contrôle et toute commande qui ont été plongées dans l'eau.

## INSTRUCTIONS DE MISE EN MARCHÉ

1. ARRÊTEZ ! Lisez les instructions de sécurité sur la portion supérieure.
2. Coupez l'alimentation électrique de l'appareil.
3. Réglez le thermostat à la température la plus basse.
4. Cet appareil est doté d'un dispositif d'allumage qui allumera automatiquement le brûleur. Ne tentez pas d'allumer le brûleur manuellement.
5. Retirez le couvercle avant.
6. Mettez la soupape d'arrêt de gaz à << OFF >>. La valve est en position << OFF >> lorsque la poignée se trouve à angle droit du tuyau de gaz.
7. Attendez cinq (5) minutes afin que le gaz se dissipe. Si vous croyez sentir une odeur de gaz, ARRÊTEZ ! Reportez-vous aux instructions B ci-dessus, sur cette étiquette. S'il n'y a pas d'odeur de gaz, passez à la prochaine étape.
8. Remettez lentement la soupape d'arrêt de gaz en position << ON >>. La poignée sera parallèle au tuyau de gaz.
9. Remettez le couvercle avant.
10. Réglez le thermostat à la température désirée.
11. Rétablissez l'alimentation électrique à l'appareil.
12. Si l'appareil ne fonctionne pas, suivez les directives relatives à la fermeture de l'alimentation en gaz et communiquez avec votre technicien de service ou le fournisseur de gaz.



## FERMETURE DE L'ALIMENTATION EN GAZ

1. Coupez toute alimentation électrique à l'appareil si celui-ci doit faire l'objet d'un entretien.
2. Réglez le thermostat au réglage le plus bas.
3. Retirez le couvercle d'accès au panneau de commande.
4. Mettez la soupape d'arrêt de gaz à << OFF >>. La valve est en position << OFF >> lorsque la poignée se trouve à angle droit du tuyau de gaz.
5. Remettez le couvercle d'accès au panneau de commande.

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## 1.2 General Care

Your OmniTech will require very little maintenance. However, as with any fine appliance there are certain steps that should be taken to ensure continuing optimum performance.

Keep the area around the OmniTech clean and free from combustible materials, gasoline and other flammable liquids and vapors.

The OmniTech must be completely isolated and protected from any source of corrosive chemical fumes such as trichlorethylene, perchlorethylene, chlorine, etc.

Keep grille openings on the boiler free for proper ventilation of interior components.

Do not obstruct or block a free flow of air to the boiler to ensure proper ventilation.

If desired, clean the jacket surfaces with a damp cloth and mild detergent. Do not use flammable cleaning materials.

If sidewall vented, keep the vent terminal clear of obstructions — do not pile snow against the vent terminal. Clean the air filter(s) often, and then develop an appropriate maintenance schedule.

## 1.3 Annual Inspection of Flue and Vents

Visually inspect the vent pipe and flue passages once a year. Should any deterioration exist, have the affected parts replaced by a qualified service person.

## 1.4 Shutting Down the OmniTech

1. Switch off the main electrical disconnect switch.
2. Close all manual gas valves.
3. If freezing is anticipated, drain the OmniTech and be sure to also protect the building piping from freezing. **This step to be performed by a qualified service person.**

## 1.5 To Restart the OmniTech

**If drained, follow the Installation and Operation Manual for proper filling and purging.**

1. Switch off the main electrical disconnect switch.
2. Close all manual gas valves.
3. **WAIT FIVE (5) MINUTES.**
4. Set the aquastat or thermostat to its lowest setting.
5. Open all manual gas valves.
6. Reset all safety switches (low water cut off, manual reset high limit, etc.).
7. Set the temperature controller to the desired temperature setting and switch on electrical power.
8. Burner will go through a prepurge period and ignitor warm-up period, followed by ignition.

## 1.6 In the Event of a Power Failure

The OmniTech can not be operated during an electrical power outage. If there is an extended power outage with danger from freezing, then the OmniTech (and all other water systems) should be drained completely. When draining the boiler, turn off main electrical disconnect switch. When placing back in service, refer to start-up instructions in the Installation and Operation Manual for filling and purging. Draining and filling shall only be done by a qualified service person.

## 1.7 Full Service Every Three (3) Years

In addition to the annual visual inspections, a qualified service agency should conduct a detailed inspection of all flue product carrying areas of the boiler and its venting system.

### **WARNING**

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

### **WARNING**

Should overheating occur or the gas supply fail to shut off, do not turn off or disconnect the electrical supply to the pump. Instead, shut off the gas supply at a location external to the boiler.

### **FOR SERVICE**

Contact your installing contractor, gas utility, Bradford White dealer, or call Bradford White for the nearest authorized representative in your area.

## **1.7 Annual Maintenance**

### **Condensate trap**

1. Clean the condensate trap of all debris and buildup by removing the bottom and top cap and cleaning the trap body.
2. Reassemble the top and bottom caps after cleaning making sure the float is clean and installed in the body during the assembly process.
3. Confirm proper operation after maintenance is complete.

### **Condensate neutralizer (if used)**

1. Disconnect the condensate neutralizer from the drain line.
2. Open the neutralizer and clean any sediment or blockages.
3. Refill the neutralizing agent as needed.
4. Reinstall the neutralizer for operation and confirm proper drainage.

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[www.BradfordWhite.com](http://www.BradfordWhite.com)

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