# DVN11, DVN17, DVN25, DVP11, DVP17, DVP25

**Owner's Manual & Parts Breakdown** 



FOR QUESTIONS AND CONCERNS, CONTACT US AT

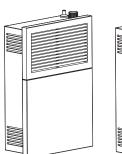


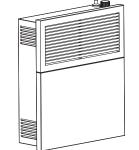
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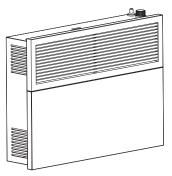
# **Owner's Instruction and Operation Manual**



Model Number: DV(N)(P)11 DV(N)(P)17 DV(N)(P)25 DV(N)(P)25 Intertek Certified to ANSI STD Z21.86-2016 and Certified to CSA STD Z.32-2016







\* All Pictures In This Manual Are For Illustrative Purposes Only. Actual Product May Vary.

853985-0704M

## Save These Instructions In A Safe Place For Future Reference.

#### WARNING: FIRE OR EXPLOSION HAZARD

Failure to follow safety warnings exactly could result in serious injury, death, or property damage.

Do not store or use gasoline or other flammable vapors and liquids 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.
- Leave the building immediately.
- 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.

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

\* Installation and service must be performed by a qualified installer, service agency or the gas supplier \*

Please read this manual BEFORE installing and operating this unit.

## **CALIFORNIA PROPOSITION 65 WARNING:**

INSTALLER: Leave this manual with the appliance.

**CONSUMER:** Retain this manual for future reference.

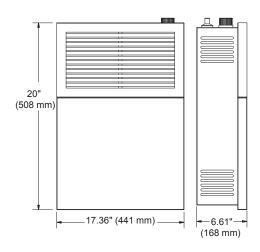
This product can expose you to chemicals including carbon monoxide, which is known to the State of California to cause cancer, birth defects, and/or other reproductive harm. For more information, go to <u>www.P65warnings.ca.gov</u>

## THIS MANUAL IS SUBJECT TO CHANGE WITHOUT NOTICE.

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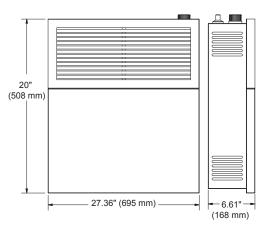
## DIMENSIONS

## MODEL: DVN11 / DVP11



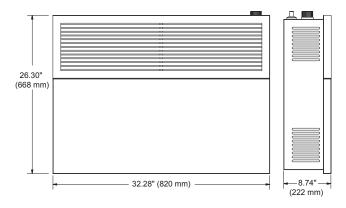
Height	20 (508 mm)
Width	17.36 (441 mm)
Depth	6.61 (168 mm)
Weight lbs. (kg.)	28 (12.7 kg)
Type of Burner	Atmospheric
# of Burners	1
Ignition	Piezo-electric ignitor
Standard Heating Space Square Feet / (m²)	375 (34.8 m²)

## MODEL: DVN17 / DVP17



Height	20 (508 mm)
Width	27.36 (695 mm)
Depth	6.61 (168 mm)
Weight lbs. (kg.)	43 (19.5 kg)
Type of Burner	Atmospheric
# of Burners	1
Ignition	Piezo-electric ignitor
Standard Heating Space Square Feet / (m²)	570 (52.9 m²)

## MODEL: DVN25 / DVP25



Height	26.30 (668 mm)
Width	32.28 (820 mm)
Depth	8.74 (222 mm)
Weight lbs. (kg.)	62.2 (28.2 kg)
Type of Burner	Atmospheric
# of Burners	1
Ignition	Piezo-electric ignitor
Standard Heating Space Square Feet / (m²)	825 (76.6 m²)

NOTE: 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 CHECKLIST**

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Your Gas Stove should be installed by a qualified installer only. An NFI qualified Installer can be found at <a href="https://www.nficertified.org/public/find-an-nfi-pro/">www.nficertified.org/public/find-an-nfi-pro/</a>

## **INSTALLER CHECK LIST**

This Checklist is to be completed in full by the qualified person who installs this unit. Keep this page for future reference.

Failure to install and commission according to the manufacturer's instructions and complete this checklist will invalidate the warranty.

Please Print					
Customer Name: Telephone Number:					
Address:					
Model:					
Serial Number:					
Installation Company Name:	Phone Number:				
Installation Technician's Name:	License Number:				

### **DESCRIPTION OF WORK**

Location of install	ed appliance:	

Venting System: New Venting System		Yes		No	lf yes, Brand	
------------------------------------	--	-----	--	----	---------------	--

If no, Date of inspection of existing venting system:\_\_\_\_\_

### CHECKLIST

Confirm clearances to combustibles as per installation instructions in this manual
Confirm the venting system is secure and sealed
Confirm the stove starts and operates properly
Check to ensure a CO alarm is installed as per local building codes and is functional
Explain the safe operation, proper fuel usage, cleaning, and routine maintenance requirements $\Box$

Declaration of Completion: As the qualified person responsible for the work described above, I confirm that the appliance as associated work has been installed as per manufacturer's instructions and following any applicable building and installation codes.

Signed:	_Print Name:	Date:
8		

Home Owner: RETAIN THIS INFORMATION FOR FUTURE REFERENCE

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### REQUIREMENTS FOR THE COMMONWEALTH OF MASSACHUSETTS

The following requirements reference various Massachusetts and national codes not contained in this manual. For all sidewall horizontally vented gas fueled equipment installed in every dwelling, building or structure used in whole or in part for residential purposes, including those owned or operated by the Commonwealth and where the side wall exhaust vent termination is less than (7) feet above finished grade in the area of the venting, including but not limited to decks and porches, the following requirements shall be satisfied:

# INSTALLATION OF CARBON MONOXIDE DETECTORS

At time of installation of side wall horizontally vented gas fueled equipment, the installing plumber or gas-fitter shall observe that a hard wired carbon monoxide detector with an alarm and battery back-up is installed on the floor level where the gas equipment is to be installed. In addition, the installing plumber or gas-fitter shall observe that a battery operated or hard wired carbon monoxide detector is installed on each additional level of the dwelling, building or structure served by the side wall horizontal vented gas fueled equipment. It shall be the responsibility of the property owner to secure the services of qualified licensed professionals for the installation of hard wired carbon monoxide detectors. In the event that the side wall horizontally vented gas fueled equipment is installed in a crawl space or attic, the hard wired carbon monoxide detector with alarm and battery back-up may be installed on the next adjacent floor level. In the event that the requirements of this subdivision can not be met at the time of completion of installation, the owner shall have a period of thirty (30) days to comply with the above requirements; provided, however, that during said thirty (30) day period, a battery operated carbon monoxide detector with an alarm shall be installed.

# APPROVED CARBON MONOXIDE DETECTORS

Each carbon monoxide detector as required in accordance with the above provisions shall comply with NFPA 720 and be ANSI/UL 2034 listed and IAS certified.

### SIGNAGE

A metal or plastic identification plate shall be permanently mounted to the exterior of the building at a minimum of eight (8) feet above grade directly in line with the exhaust vent terminal for the horizontally vented gas fueled heating the appliance or equipment. The sign shall read, in print no less the one-half inch (1/2") in size, "GAS VENT DIRECTLY BELOW. KEEP CLEAR OF ALL OBSTRUCTIONS".

### INSPECTION

The state or local gas inspector of the side wall horizontally vented gas fueled equipment shall not approve the installation unless, upon inspection, the inspector observes carbon monoxide detectors and signage installed in accordance with the provisions of 248 CMR 5.08 (2) (a) 1 through 4.

### **EXEMPTIONS**

The following equipment is exempt from 248 CMR 5.08 (2) (a) 1 through 4: The equipment listed in Chapter 10 entitled "Equipment Not Required To Be Vented" in the most current edition of NFPA 54 as adopted by the Board; and Product Approved side wall horizontally vented gas fueled equipment installed in a room or structure separate from the dwelling, building or structure used in whole or in part for residential purposes.

### MANUFACTURER REQUIREMENTS

Gas Equipment Venting System Provided: When the manufacturer of Product Approved side wall horizontally vented gas equipment provides a venting system design or venting system components with the equipment, the instructions provided by the manufacturer for installation of the equipment and the venting system shall include:

Detailed instructions for the installation of the venting system design or the venting system components; and a complete parts list for the venting system design or venting system.

# GAS EQUIPMENT VENTING SYSTEM NOT PROVIDED

When the manufacturer of Product Approved side wall horizontally vented gas equipment does not provide the parts for venting the flue gases, but identifies "special venting systems", the following requirements shall be satisfied by the manufacturer: The referenced "special venting systems" instructions shall be included with the appliance or equipment installation instructions and;

The "special venting systems" shall be Product Approved by the Board, and the instructions for that system shall include a parts list and detailed installation instructions. A copy of all installation instructions for all Product Approved side wall horizontally vented gas fueled equipment, all venting instructions, all parts lists for venting instructions, and/or all venting design instructions shall remain with the appliance or equipment at the completion of the installation.

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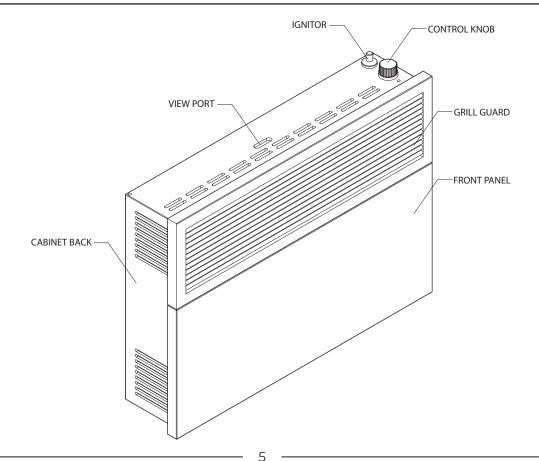
## **PRODUCT IDENTIFICATION**

THIS GAS APPLIANCE MUST NOT BE CONNECTED TO A CHIMNEY FLUE SERVING A SEPARATE SOLID-FUEL BURNING APPLIANCE.

#### **IMPORTANT FOR YOUR SAFETY**

- IMPROPER INSTALLATION, ADJUSTMENT, ALTERATION, SERVICE, OR MAINTENANCE CAN CAUSE PROPERTY DAMAGE, PERSONAL INJURY OR LOSS OF LIFE. REFER TO THIS MANUAL.
- INSTALLATION AND SERVICE MUST BE PERFORMED BY A QUALIFIED INSTALLER, SERVICE AGENCY, OR THE GAS SUPPLIER.

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.



## **PRODUCT FEATURES**

Model No.	Input Power * Btu/Hr. (kW)	Max. Gas Inlet Pressure inch W.C. (mm. W.C.)	Min. Gas Inlet Pressure inch W.C. (mm. W.C.)	Pres. Reg. Settings Manifold inch W.C. (mm. W.C.)	Valve Type
DVN11	11,000 (3.20 kW)	10.5 (267 mm)	7 (178 mm)	5 (127 mm)	Chant RTZ-WK
DVP11	11,000 (3.20 kW)	14 (355 mm)	11 (280 mm)	10 (254 mm)	Chant RTZ-WK
DVN17	17,000 (4.94 kW)	10.5 (267 mm)	7 (178 mm)	5 (127 mm)	Chant RTZ-WK
DVP17	17,000 (4.94 kW)	14 (355 mm)	11 (280 mm)	10 (254 mm)	Chant RTZ-WK
DVN25	25,000 (7.33 kW)	10.5 (267 mm)	7 (178 mm)	5 (127 mm)	Chant RTZ-WK
DVP25	25,000 (7.33 kW)	14 (355 mm)	11 (280 mm)	10 (254 mm)	Chant RTZ-WK

\*\*NOTE: Minimum Gas Inlet Pressure for purpose of input adjustment. The efficiency rating of the appliance is a product thermal efficiency rating determined under continuous operating conditions and was determined independently of any installed system.

\* Installation and service must be performed by a qualified installer, service agency or the gas supplier \*

## **INSTALLATION**

### **INSTALLATION ITEMS**

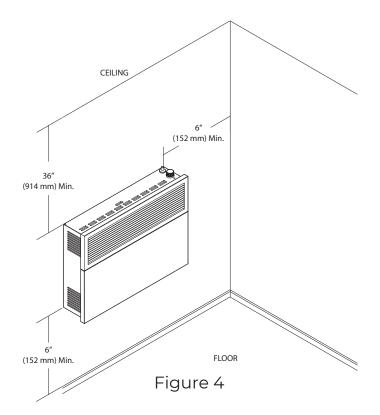
Before installing heater, make sure you have the items listed below.

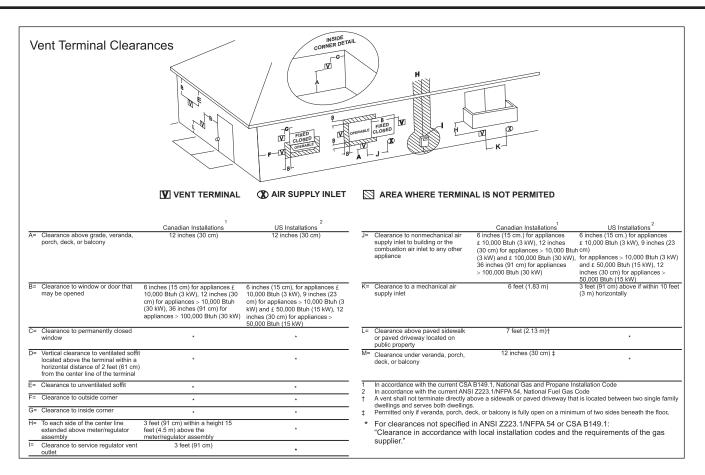
- Piping (check local codes)
- Sealant (resistant to propane gas)
- Manual shutoff valve
- Ground joint union
- Sediment trap
- Tee joint
- Pipe wrench

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 0.25 inches (with supplied spacers)			
Sides 6 inches			
Top 36 inches			
Floor 6 inches			





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.

A manufactured home (USA only) or mobile home OEM installation must conform with the Manufactured Home Construction and Safety Standard, Title 24 CFR, Part 3280, or, when such standard is not applicable, the Standard for Manufactured Home Installations, ANSI Z 225.1, or Standard for Gas Equipped Recreational Vehicles and Mobile Housing, CSA Z 240.4.

#### **IMPORTANT:**

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- 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.

#### **IMPORTANT:**

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.

### HARDWARE PACKET CONTENTS

KEY	DESCRIPTION	ITEM	QTY
i	Medium Screw		3
ii	Large Screw		4
iii	Washer	0	4
iv	Spacer Washer		4
V	Rubber Grommet		2
vi	Small Screw		8

#### **INSTALLING THE APPLIANCE**

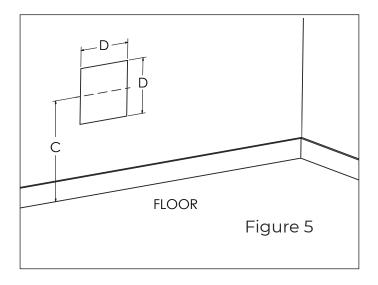
Separate the hanging bracket from the appliance by removing two screws on the top and two nuts at the bottom.

## 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 dimensions of the square hole "D" and height to the center "C" in table 1 and figure 5 for the different models. Height "C" is the minimum recommended.

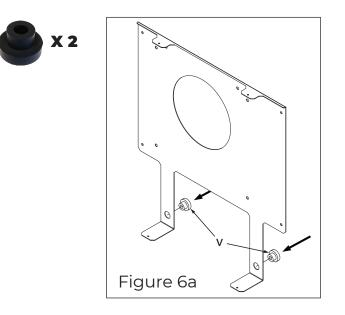
TABLE 1				
MODEL	С	D		
DVN11 - DVP11	20-7/32" (514 mm)			
DVN17 - DVP17	20" (508 mm)	11-1/4" X 11-1/4" (286 x 286 mm) square hole		
DVN25 - DVP25	25-7/16" (647 mm)	Square Hole		

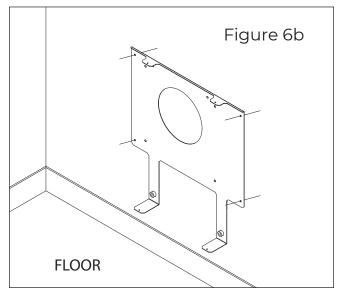
2. Cut the square hole through the wall according to the measurements and positions indicated in figure 5.



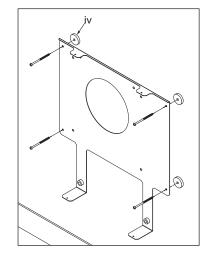
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3. Insert the two provided rubber grommets (v) into the lower bracket as shown in figure 6a. Place the hanging bracket over the square hole. Check to see the bracket is level. After leveling the hanging bracket, mark the four holes as shown in figure 6b.



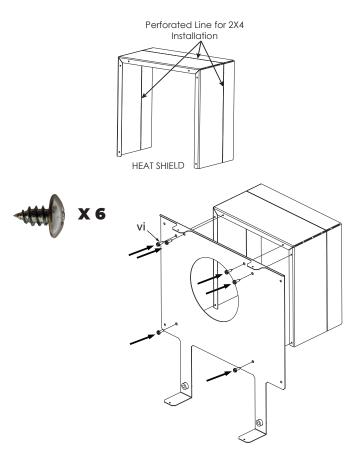


4. Remove the hanging bracket and drill the four holes using a masonry drill bit. NOTE: The masonry drill bits size must match the size of the masonry screw that will be used (masonry screws and drill bit not included). IMPORTANT: The four 1/4" spacer washers (iv) provided must be put between the bracket and the wall. **( x** 4



## INSTALLING THE HANGING BRACKET ON A COMBUSTIBLE WALL (I.E, DRYWALL/WOODEN WALL)

1. Remove the required heat shield from the box and fold it as indicated in the illustration (fold along the perforated lines and break off when installing in a 2 X 4 wall). Align the holes on the heat shield with the holes on the mounting bracket and attach using the six provided small screws (vi).

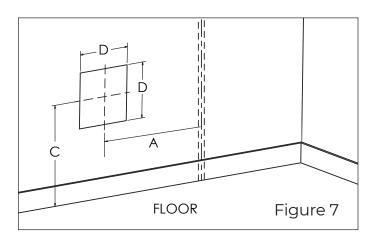


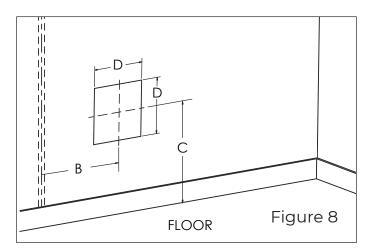
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2. Taking into account the minimum clearances mentioned in table two, locate the closest wall stud (which will serve to hold the appliance) and mark the square hole center at a distance "A", (if wall stud is at the right), or "B", (if the stud is at the left)(see table 2 and Figures 7 and 8). Note: Use the heat shield to help hold the bracket in place when marking the square hole locations.

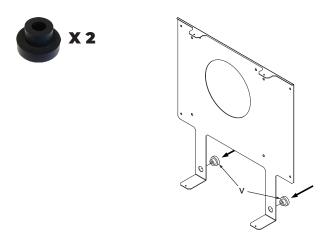
TABLE 2					
А	В	С	D		
	DVNI	1 / DVP11			
9-1/8" (233 mm)	6-13/16" (174 mm)	20-3/16" (514 mm)	11-1/4" X 11-1/4" (286 x 286 mm) square hole		
DVN17 / DVP17					
8" (204 mm)	8" (204 mm)	19-1/2" (495 mm)	11-1/4" X 11-1/4" (286 x 286 mm) square hole		
DVN25 / DVP25					
8" (204 mm)	8" (204 mm)	23-3/16" (590 mm)	11-1/4" X 11-1/4" (286 x 286 mm) square hole		

- 3. Draw the position of the square hole for the vent-air intake pipe (see dimensions for square hole "D" and the height to the center "C" in table 2 for the different models. Height "C" is the minimum recommended.
- 4. Cut the square hole through the wall according to the measurements and positions indicated in figure 7 and 8.

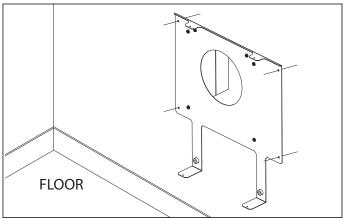




5. Insert the two provided rubber grommets (v) into the lower bracket as shown.

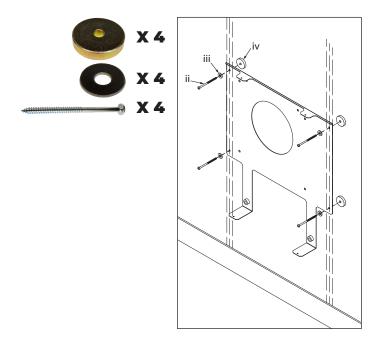


6. Place the wall bracket with the heat shield attached into the square hole. Check to see that the bracket is level. If not, you may have to trim the hole you cut to ensure the bracket is level when installed. After leveling the hanging bracket, mark the 4 holes as shown.



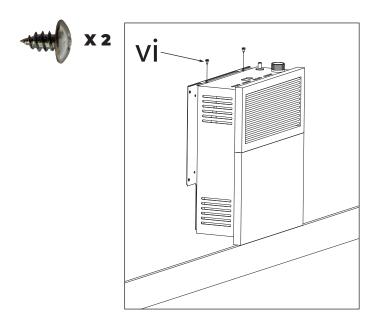
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- 7. Remove the hanging bracket and drill the four holes using a 3/32" drill bit.
- 8. Place the hanging bracket and fix it with four screws (ii) and four washers (iii). IMPORTANT: The four 1/4" spacer washers (iv) provided must be put between the bracket and the wall.

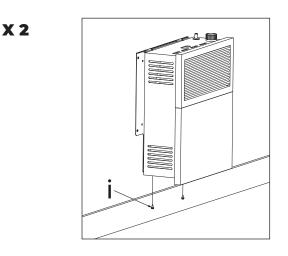


# MOUNTING THE HEATER ON HANGING BRACKET

1. Place the heater on the hanging bracket and secure with two small screws (vi).

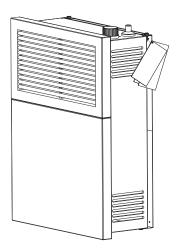


2. Use two medium screws (i) to secure the bottom bracket to the unit.



#### **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.



## **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 1-3/4".

#### **IMPORTANT:**

THE VENT-AIR INTAKE SYSTEM MUST BE PROPERLY INSTALLED TO ENSURE PROPER AND SAFE OPERATION. THE VENT-AIR INTAKE SYSTEM MUST ALSO BE PROPERLY RE-INSTALLED AND RESEALED TO ENSURE 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.

#### **IMPORTANT:**

THE APPLIANCE'S VENTING SYSTEM SHOULD BE INSPECTED AT LEAST ONCE A YEAR AND IMMEDIATELY CLEANED IF NECESSARY.

#### **CAUTION:**

#### ALL JOINTS MUST BE AIR-TIGHT.

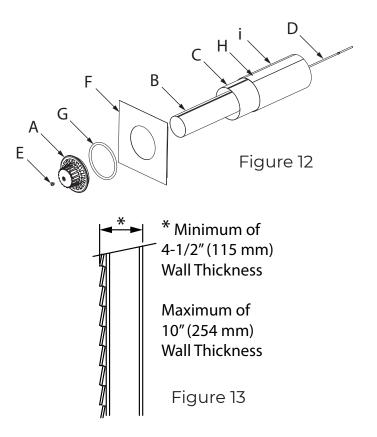
#### **CAUTION:**

THE VENT PIPE MUST HAVE A SLIGHT DOWNWARD SLOPE. 1/4" PER FOOT.

The venting system consists of:

А	Vent Cap
В	Vent Pipe
С	Vent-Air Intake Pipe
D	Rod
E	Nut
F	Outdoor Mounting Plate
G	Silicon-Rubber Ring
Н	Таре
i	Insulation

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 + 5-7/8" (149.5 mm)				



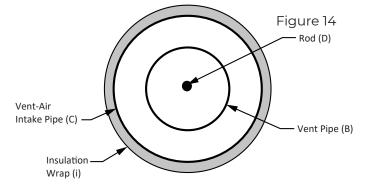
Measure thickness of the wall as shown in figure 13.

- 1. If any of the following are long trim them according to thickness of the wall, (see table 3):
- (B) vent pipe
- (C) vent-air intake pipe
- (i) insulation
- ・ (D) rod
- 2. The hole at the outside of the wall must be a square of 11-1/4" (286 mm) X 11-1/4" (286 mm) (see figure 15).
- 3. From the outside of the wall, screw the rod (D) slightly onto support located inside the appliance flue outlet.
- 4. Wrap the vent-air intake pipe (C) with the provided insulation (i) (foil side out) and place the provided strip of tape (H) down the seam to secure it.

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5. Slide the smaller vent pipe (B) (from outside your house) through the hole in the wall and attach to the mounted heater inside your house. Be sure the vent pipe is snug and engaged to the heater. Then slide the larger Vent-Air Intake Pipe, with the insulation wrapped and taped to the outside of the pipe, through the same hole and over the smaller Vent Pipe (B) and attach to the heater.

NOTE: It is critical that the insulation wrap (i) be wrapped and secured with the tape on the outside of the larger Vent-Air Intake Pipe (C). The insulation is NOT to be wrapped in between Vent Pipe (B) and Vent-Air Intake Pipe (C) (see figure 14).



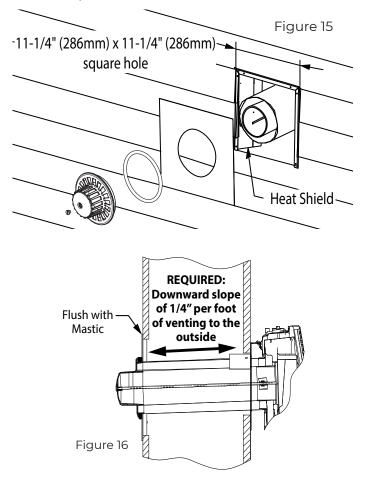
6. The outdoor mounting plate (F) and the siliconrubber ring (G) should be installed between the vent cap (A) and the exterior wall. Note: For additional security the outdoor mounting plate (F) can be attached to the outside of the wall using the appropriate hardware for mounting to the surface of the building. The outdoor mounting plate (F) must be positioned flush to the wall and sealed with a non-hardening mastic (silicone caulk). Position the outdoor mounting plate (F) so that the vent-air intake pipe (C) has a slight downward slope of 1/4" per foot of venting to the outside.

#### **ATTENTION:**

#### THE DOWNWARD SLOPE IS NECESSARY TO PREVENT THE ENTRY OF RAINWATER.

- Before attaching the vent cap (A) 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 outdoor mounting plate (F) (see figure 16).
- 8. Slide the vent cap (A) into position and secure into place using the provided nut (E). Tighten

nut (E) down until the vent cap (A) leans against the outdoor mounting plate (F) (see figures 15 and 16).



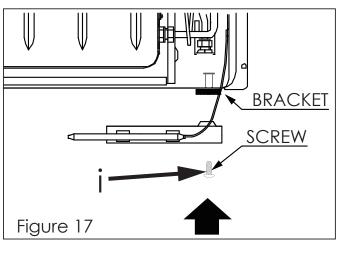
#### **INSTALLING THE THERMOSTAT SENSOR**

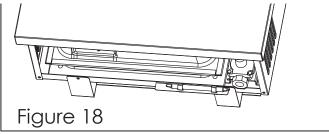
In order to protect the thermostat sensor from any damage during shipping, or while handling it before it is definitely installed, the thermostat sensor has not been attached to its final location in the appliance. So, once the heater is installed, the thermostat sensor must be placed and secured in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

- 1. Reach in through the bottom of the unit and cut the cable tie holding the thermostat sensor to the unit.
- 2. Place the thermostat sensor under the right bottom of the bracket and attach it with the provided medium screw (i) that fixes the appliance to the bracket as shown in figures 17 and 18.

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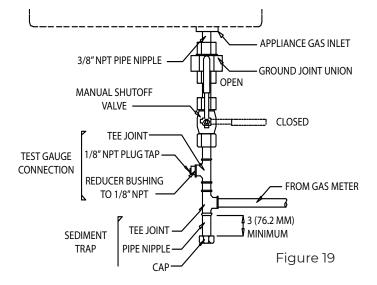


## **GAS CONNECTION**

- 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.
- 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 18).
- 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.

#### **IMPORTANT:**

HOLD THE GAS INLET OF THE APPLIANCE WITH WRENCH WHEN CONNECTING IT TO GAS PIPING AND/OR FITTINGS.



Pressure				
Nat. Gas	7" W.C to 10.5" W.C.			
Nat. Gas	178 mm W.C. to 267 mm W.C.			
L.P. Gas	11" W.C. to 14" W.C.			
L.P. Gas	280 mm W.C. to 356 mm W.C.			

#### 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.
- ALL GAS PIPING AND CONNECTIONS MUST BE TESTED FOR LEAKS AFTER INSTALLATION OR SERVICING. ALL LEAKS MUST BE CORRECTED IMMEDIATELY.

### **CHECK AFTER GAS CONNECTION**

- 1. Make sure the control of the heater is in the "OFF" position.
- 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.

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#### **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 1/2 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

## **OPERATION**

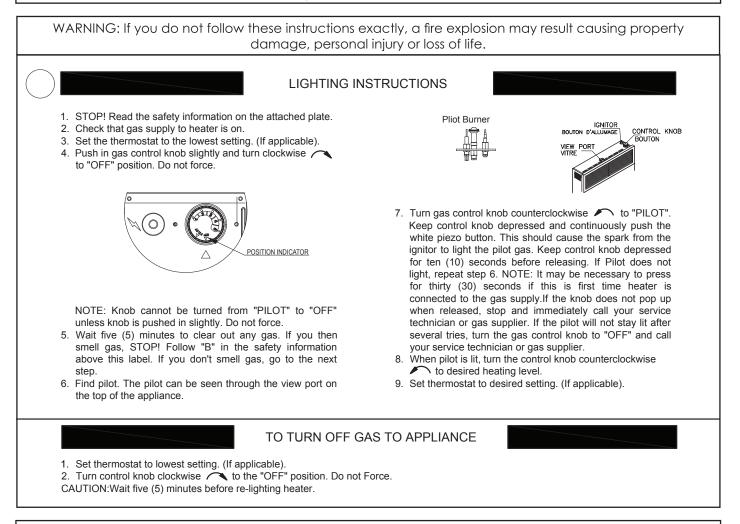
supply piping system at test pressures equal to or less than 1/2 psi (3,5 kPa).

### **HIGH ALTITUDE INSTALLATIONS**

This appliance may be installed at higher altitudes. Please refer to National Fuel Gas Code ANSI Z223.1/ NFPA 54, CSA-B149.1 Natural Gas and Propane Installation Code, local authorities, or codes having jurisdiction in your area regarding derate guidelines. Per the above referenced codes, for elevations above 2,000 ft (610 m), input ratings are to be reduced by 4% for each 1,000 ft (305 m).

#### WARNING:

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



#### **CAUTION:**

#### DO NOT TRY TO ADJUST HEATING LEVELS BY USING THE MANUAL SHUTOFF VALVE.

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## **OPERATION**

#### **IMPORTANT:**

- DO NOT DRY CLOTHES OVER THE HEATER.
- DO NOT SPRAY ANY AEROSOL NEAR THE HEATER WHEN FUNCTIONING. DO NOT STORE THESE ELEMENTS NEAR THE APPLIANCE.
- DO NOT TOUCH GRILL TO AVOID BURNS.
- AVOID BLOCKING AIR INLET AND HOT AIR OUTLET.
- DO NOT SPILL WATER OVER THE HEATER AS IT MAY CAUSE CORROSION OR DAMAGE.
- DO NOT TOUCH VENT CAP WHILE HEATER IS OPERATING, TO AVOID BURNS.
- IF YOU SMELL GAS, SHUT OFF CONTROL VALVE, OPEN DOORS AND WINDOWS AND DO NOT LIGHT ANY ELECTRICAL FIXTURE NEAR THE HEATER. CALL YOUR GAS SUPPLIER.

NOTE: It is normal for the new wall furnace to give some odor the first time it is burned. This is due to the curing of the paint and any undetected oil from the manufacturing process. It is recommended to burn a new wall furnace for at least two (2) hours the first time that it is used.

#### **CAUTION:**

YOU MUST KEEP CONTROL AREAS AND CIRCULATING AIR PASSAGEWAYS OF HEATER CLEAN. INSPECT THESE AREAS OF HEATER BEFORE EACH USE. HAVE HEATER INSPECTED YEARLY BY A QUALIFIED SERVICE PERSON. HEATER MAY NEED MORE FREQUENT CLEANING DUE TO EXCESSIVE LINT FROM CARPETING, BEDDING MATERIAL, ETC. VERIFY PROPER OPERATION AFTER SERVICING.

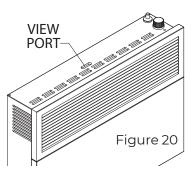
#### **ATTENTION:**

#### **VERIFY PROPER OPERATION AFTER SERVICING**

\* Installation and service must be performed by a qualified installer, service agency or the gas supplier \*

### **CLEANING & MAINTENANCE**

- Exterior Use a soft cloth dampened with a mild soap and water mixture. Wipe the cabinet to remove dust.
- Air Passageways Use a vacuum cleaner or pressurized air to clean.
- Vent Cap Use a vacuum cleaner or pressurized air to clean.
- Pilot and Burner Periodically visually check the pilot and burner flames (view flames through view port). The correct flame pattern should be viewed by looking through the view port on top of the unit (Fig. 20).



The correct flame pattern of pilot and main burner are shown in the provided figures.

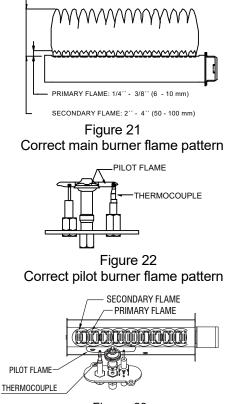


Figure. 23 Correct main burner flame pattern (top view) Models DV(N)(P)11

## **OPERATION**



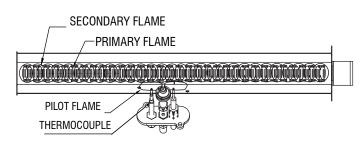


Figure. 24 Correct main burner flame pattern (top view) Models DV(N)(P)17

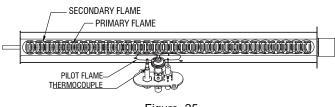


Figure. 25 Correct main burner flame pattern (top view) Model DV(N)(P)25

## CLEANING THE MAIN BURNER ORIFICE & MAIN BURNER

- 1. Turn OFF gas supply to the heater.
- 2. Remove casing assembly.
- 3. Disconnect burner tubing and remove orifice holder.
- 4. Apply compressed air to the orifice holder assembly to remove dust, lint or spider webs.
- 5. Apply compressed air through the hole on the combustion chamber wall where the orifice holder was originally located to remove dust, lint or spider webs.
- 6. As parts are being replaced in reverse order, check for gas leaks at all gas connections before replacing the casing assembly.

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#### WARNING:

#### TURN OFF HEATER AND LET COOL BEFORE SERVICING. ONLY A QUALIFIED SERVICE PERSON SHOULD SERVICE AND REPAIR HEATER.

PROBLEM	POSSIBLE CAUSE	REMEDY
	Ignitor electrode broken.	Replace ignitor electrode.
When ignitor button	Ignitor electrode not connected to ignitor cable.	Reconnect ignitor cable.
is pressed, there is no spark at pilot.	Ignitor cable pinched or wet.	Free ignitor cable if pinched by any metal or tubing. Keep ignitor cable dry.
	Broken ignitor cable.	Replace ignitor cable.
	Bad piezo ignitor.	Replace piezo ignitor.
	Gas supply is turned off or manual shutoff valve closed.	Turn on gas supply or open manual shutoff valve.
	Control knob not in PILOT position.	Turn control knob to PILOT position.
When ignitor button is	Control knob not pressed in while in pilot position.	Press in control knob while in PILOT position.
pressed, there is spark at pilot but no ignition.	Air in gas lines when installed.	Continue holding down control knob. Repeat igniting operation until air is removed.
	Pilot is clogged.	Clean pilot orifice or replace pilot assembly.
	Gas regulator setting not correct.	Replace gas regulator.
	Control knob not fully pressed in.	Press in control knob fully.
	Control knob not depressed long enough.	After pilot lights, keep control knob pressed in 30 seconds.
	Manual shutoff valve not fully open.	Fully open manual shutoff valve.
	Thermocouple connection loose at control valve.	Hand tighten until snug, then tighten 1/4 turn more.
Pilot lights but flame goes out when control knob is released.	Pilot flame not touching thermocouple, which allows thermocouple to cool, causing pilot flame to go out. This problem could be caused by one or both of the following: Low gas pressure. Dirty or partially clogged pilot.	Contact local gas company. Clean pilot or replace pilot assembly.
	Thermocouple damaged.	Replace thermocouple.
	Control valve damaged.	Replace control valve.

## TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	REMEDY	
	Burner orifice is clogged.	Clean burner orifice or replace burner orifice.	
Burner does not light after pilot is lit.	Burner orifice diameter is too small.	Replace burner orifice.	
	Inlet gas pressure is too low.	Contact local Gas Company.	
Delayed ignition of	Manifold pressure is too low.	Contact local Gas Company.	
burner.	Burner or pilot orifice is clogged.	Clean burner or pilot orifice or replace it.	
Burner backfiring	Burner orifice is clogged or damaged.	Clean burner orifice or replace it.	
during combustion.	Gas regulator defective.	Replace gas regulator.	
	Inlet pipe is blocked.	Remove the blockage.	
Yellow flame during burner combustion.	Incorrect connections of pipes.	Connect pipes according to installation instructions.	
	Gas regulator defective.	Replace gas regulator.	
Slight smoke or odor during initial operation.	Residues from manufacturing processes.	Problem will stop after a while of operation.	
	Turning control knob to HI position when burner is cold.	Turn control knob to LO position and let warm up for a minute.	
Heater produces a whistling noise when burner is lit.	Air in gas line.	Operate burner until air is removed from line. Have gas line checked by local Gas Company.	
	Dirty or partially clogged burner orifice.	Clean burner orifice or replace it.	
Heater produces a clicking/ticking noise just after burner is lit or shut off.		This is common with most heaters. If noise is excessive, contact qualified service person.	
Heater produces unwanted odors.	Gas leak (see WARNING statement below).	Locate and correct all leaks (see Checking Gas Connections section)	
Heater shuts off in use.	Low line pressure.	Contact local Gas Company.	
neater shuts off in use.	Pilot is partially clogged.	Clean pilot.	
Gas odor even when control knob is in OFF	Gas leak. See WARNING statement below.	Locate and correct all leaks (see Checking Gas Connections section)	
position.	Control valve defective.	Replace control valve.	

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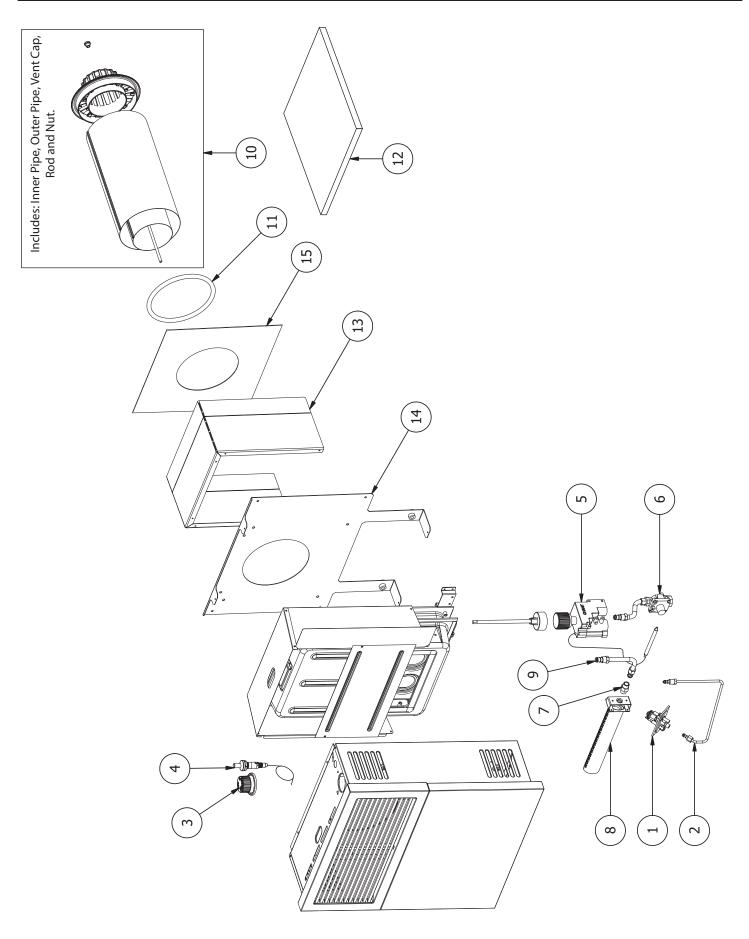
### WARNING IF YOU SMELL GAS:

#### • SHUT OFF GAS SUPPLY.

- 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.

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## **REPLACEMENT PARTS**



## **REPLACEMENT PARTS**

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Key	Part #	Description		Model			28-1200		DV(N)(P)11
28-3001				DVN11,	8	28-1201	Burner	DV(N)(P)17	
		NAT	DVN17, DVN25			28-1202		DV(N)(P)25	
1	28-3000	Pilot Assembly	LP	DVP11, DVP17,		9	28-1601	Burner Connection Tube	DV(N)(P)11, DV(N)(P)17
				DVP25			28-1602		DV(N)(P)25
	28-0000			DV(N)(P)11		10	28-9601	"Vent Pipe Kit (Includes inner/ outer pipe, vent cap,	DV(N)(P)11
2	28-0001	Pilot Connection Tube	l	DV(N)(P)17			28-9602		DV(N)(P)17
	28-0002	Tube		DV(N)(P)25			28-9603	hardware)"	DV(N)(P)25
				DV(N)(P)11,			28-4000	`	DV(N)(P)11
3	28-1700	Control Knob		DV(N)(P)17, DV(N)(P)25		11	28-4001	Silicone Seal	DV(N)(P)17, DV(N)(P)25
4	28-2100	Piezo Ignitor (Supplied with wire)		DV(N)(P)11, DV(N)(P)17, DV(N)(P)25		12	28-4002	Vent Blanket	DV(N)(P)11, DV(N)(P)17, DV(N)(P)25
	28-1010	Control Valve		DV(N)(P)11			<u> </u>		DV(N)(P)11,
5	28-1011 28-1012	(includes Temp Sensor)		DV(N)(P)17 DV(N)(P)25		13	28-4003	Venting Heat Shield	DV(N)(P)17, DV(N)(P)25
	28-9901		NAT	DV(N)(F)23			28-1501	Mounting Bracket,	
	28-9902		LP	DVP11			20 1301	Small	DV(N)(P)11
	28-9903		NAT	DVN17	14	28-1502	Mounting Bracket, Medium	DV(N)(P)17	
6	28-9904	Regulator	LP	DVP17				Mounting Bracket,	
	28-9905		NAT	DVN25			28-1503	Large	DV(N)(P)25
	28-9906		LP	DVP25			28-4005	Outside Mounting Plate	DV(N)(P)11
	28-9001	Orifice - 1.48mm	NAT	DVN11		15	28-4006	Outside Mounting	DV(N)(P)17,
	28-9002	Orifice - 1.0mm	LP	DVP11				Plate	DV(N)(P)25
	28-9003	Orifice - 1.83mm	NAT	DVN17		N/S	28-9600	Hardware Kit	DV(N)(P)11, DV(N)(P)17, DV(N)(P)25
	28-9904	Orifice - 1.24mm	LP	DVP17			N/S 28-4007	28-4007	Adhesive Backed
	28-9005	Orifice - #43 (2.26mm)	NAT	DVN25		.,		Gasket-52 in	DV(N)(P)25
	28-9006	Orifice - #53 (1.51mm)	LP	DVP25			28-4008	Pilot Gasket	DV(N)(P)11, DV(N)(P)17, DV(N)(P)25

IN ORDER TO MAINTAIN WARRANTY, COMPONENTS MUST BE REPLACED USING ORIGINAL MANUFACTURERS PARTS PURCHASED THROUGH YOUR DEALER OR DIRECTLY FROM THE APPLIANCE MANUFACTURER. USE OF THIRD PARTY COMPONENTS WILL VOID THE WARRANTY.

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It is recommended that your heating system is serviced regularly and that the appropriate Service Interval Record is completed.

### **SERVICE PROVIDER**

Before completing the appropriate Service Record below, please ensure you have carried out the service as described in the manufacturer's instructions. Always use the manufacturer's specified spare part when replacement is necessary.

Service 01       Date:	Engineer Name:          License No.:          Company:          Telephone No.:          Stove Inspected:         Chimney Swept:
Service 03       Date:	Engineer Name:          License No.:          Company:          Telephone No.:          Stove Inspected: □
Service 05       Date:	Engineer Name:          License No.:          Company:          Telephone No.:          Stove Inspected: □
Service 07       Date:	Engineer Name:          License No.:          Company:          Telephone No.:          Stove Inspected: □       Chimney Swept: □

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#### **GAS APPLIANCE WARRANTY**

#### LIMITED WARRANTY:

A limited warranty is extended to the original purchaser of this heater and warrants against malfunction due to manufacturing defects for a period of (2) two years from the date of retail purchase. Please read and follow all details noted below.

#### **CLAIMS HANDLED AS FOLLOWS:**

- DO NOT RETURN TO PLACE OF PURCHASE.
- Contact our Customer Service Department at 1-800-776-9425. You must have the model number, serial number and date of purchase.
- They will provide you with further instructions, which may include replacement parts, repair or replacement at our option.

#### CALL 1-800-776-9425 FOR SERVICE (9AM-5PM MON. - FRI.) or EMAIL US AT info@worldmkting.com

#### **DUTIES OF THE OWNER:**

This heating appliance must be installed and tested by a qualified individual and operated in accordance with the written instructions furnished with this appliance. This warranty shall not excuse the owner from properly maintaining this appliance in accordance with the written instructions furnished. A bill of sale, cancelled check or payment record must be kept to verify purchase date and establish warranty period. Original carton should be kept in case of warranty return of unit.

#### WHAT IS NOT COVERED:

- 1. Damage resulting from use of improper fuel.
- 2. Damage caused by misuse or use contrary to the owners manual and safety guidelines.
- 3. Damage caused by a lack of normal maintenance.
- 4. Use of non-standard parts or accessories.
- 5. Accessory items

#### LIMITATIONS:

This warranty does not imply or assume any responsibility for consequential damages that may result from the use, misuse, or the lack of routine maintenance of this heating appliance. A cleaning fee and the cost of parts may be charged for appliance failures resulting from lack of maintenance. This warranty does not cover claims which do not involve defective workmanship or materials. FAILURE TO PERFORM GENERAL MAINTENANCE (INCLUDING CLEANING) WILL VOID THIS WARRANTY.

THIS LIMITED WARRANTY IS GIVEN TO THE PURCHASER IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY OF FITNESS FOR A PARTICULAR PURPOSE. THE REMEDY PROVIDED IN THIS WARRANTY IS EXCLUSIVE AND IS GRANTED IN LIEU OF ALL OTHER REMEDIES. IN NO EVENT WILL WORLD MARKETING OF AMERICA BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you. Some states do not allow the exclusion or limitation of incidental or consequential damages so the above limitation or exclusion may not apply to you.

#### TO REGISTER THE WARRANTY ON YOUR APPLIANCE, PLEASE FILL OUT THIS CARD COMPLETELY AND MAIL OR REGISTER ON-LINE AT WORLDMKTING.COM WITHIN 10 DAYS FROM DATE OF PURCHASE.

NAME:		_ PHONE: ()
ADDRESS:		EMAIL:
		ZIP:
MODEL:	SERIAL #:	DATE PURCHASED:
PURCHASED AT:		TYPE OF STORE:
CITY & STATE WHERE PU	JRCHASED:	PRICE PAID:
Please Take a	Minute To Give Us Your Answers	To The Following Questions.
All Responses Are	Used Solely For Market Research	And Are Held In Strict Confidence.
Who primarily decided this	purchase? 🗌 Male 🗌 Female 🗌	18-24 🗌 25-39 🔲 40-59 🔲 60 and over
Occupation?  Homemake	er 🗌 Operator/Laborer 🗌 Professional [	Service Work Clerical
Ret	ired 🗌 Student 🗌 Other	
Household income?	nder \$20,000 🗌 \$20-39,000 🔲 \$40-	59,000 🔲 \$60-79,000 🗌 Over \$80,000
Do you own any other heat	ing appliances? 🗌 Yes 🗌 No If yes	, typebrand
How do you intend to use y	rour new heating appliance?	Emergency Heat 🔲 Extra Heat 🔲 Decorative
How did you become aware	e of this appliance? 🛛 In-Store Displa	y 🔲 Newspaper Ad 🔤 Magazine Ad
Friend/Relative	TV Commercial Store Salesperson	Other
What made you select this	appliance?  Style  Size/Portability	/ 🗌 Durability 🗌 Warranty 🗌 Package
Other		
Do you: 🗌 own 🗌 rent	Would you recommend th	is heater to a friend?  Yes  No
Please give us your comme	ents:	
Printed in China	THANK YOU FOR COMPLETING	FTHIS FORM! Part. No. 23CGGWTY_EN

#### **BEFORE CALLING FOR SERVICE**

- Do Not Use Your Heater Without Checking For Leaks! Leaks can occur during shipment and installation. A simple solution of soap and water dabbed on the fittings will bubble if a gas leak is present.
- Wrong Gas Pressure! Too much gas pressure may severely damage your heater. Too little gas pressure and your heater will not burn correctly.
- Gas Supply: Is your gas turned on? Do you have an ample supply of gas?
- Dual Fuel: If you are operating a dual fuel model on Natural Gas, have you turned the gas selector valve on the back of the heater to NG and hooked to the NG inlet?
- Dust & Dirt: This heater does require some cleaning. If the pilot light will not stay lit or if one brick is not as bright as another, your heater is probably due for a good cleaning. Replacement of the thermocouple or pilot assembly is generally not needed. Review Heater Maintenance in the owners manual.

While we want everyone to be completely satisfied with their purchase it is impossible to warranty problems occurring from improper use or installation or a lack of maintenance.

Comfort Glow: Warranty Registration

Appliance Model # \_\_\_\_ Date of Purchase

Serial # \_\_\_\_\_

IMPORTANT: We urge you to fill out your warranty registration card within ten (10) days of date of purchase, complete with the entire serial number which can be found on the rating plate. Retain this portion of the card for your records.

#### World Marketing of America, Inc.

PO Box 192, Route 22 West Mill Creek PA 17060-0192 (Tel) 1-800-776-9425 Register Online At: www.worldmkting.com

### SAVE THIS CARD!

\_\_\_\_\_

Place Postage Stamp Here

World Marketing of America, Inc. **PO Box 192** Mill Creek PA 17060-0192