FOR YOUR SAFETY
What to do if you smell gas:

* Do not try to light any appliance
* Do not touch any electrical switch: do not use any phone in your building.
* Immediately call your gas supplier from a neighbour's phone. Follow the gas supplier’s instructions.
* If you cannot reach your gas supplier, call the fire department.

Approved for use with the following **Gas Fireplace** Models:
City 40 Series, City 60 Series, City 72 Series, HZ33CE, HZ54E, HZ40E, P33, P33CE, P33E, P36, P36E, P36D, P90, U900E, U1500E, G600C, G600EC, G800EC, and G800C

FOR YOUR SAFETY
Do not store or use gasoline or other flammable vapours and liquids in the vicinity of this or any other appliance.

Installation and service must be performed by an authorized installer, service agency or the gas supplier.

Manufactured by:
FPI Fireplace Products International Ltd.
6988 Venture St.,
Delta, B.C. Canada, V4G 1H4

Tested by: Intertek

PLEASE KEEP THESE INSTRUCTIONS FOR FUTURE REFERENCE
LISTINGS AND CODE APPROVALS

This Kit has been approved for use with the following Gas Fireplace Models; City 40 Series, City 72 Series, City 60 Series, HZ54E, HZ33CE, HZ40E, P33, P33CE, P36, P36E, P36D, P90, U900E, U1500E, G600C, G600EC, G800C, and G800EC. This kit has been tested in accordance with National Safety Standards, and has been certified by Warnock Hersey/Intertek for installation and operation in the United States and Canada as described in these Installation and Operating Instructions.

Check with your local building code agency before you begin your installation to ensure compliance with local codes, including the need for "permits" and follow-up inspections. If any problems are encountered regarding code approvals, or if you wish clarification on any of the instructions contained here, contact your local dealer.

GENERAL INFORMATION

The Heat Wave Air Duct Kit increases the effectiveness of your fireplace by dispersing warm air from the fireplace to remote locations in the same room or other rooms in your home. Up to two kits may be installed on the fireplace. Please Note: Only 1 HeatWave kit may be operated at one time. This includes the internal blower option as well.

IMPORTANT INSTALLATION NOTES

1. The appliance installation must conform with local codes or, in the absence of local codes, with the current Canadian or National Gas Codes, CAN1-B149 or ANSI Z223.1 Installation Codes.

2. The appliance when installed must be electrically grounded in accordance with local codes, or in the absence of local codes with the current National Electrical Code, ANSI/NFPA 70 or CSA C22.1 Canadian Electrical Code.

3) This kit is tested and safe when installed in accordance with this installation manual. Please read all instructions before starting installation and follow all instructions carefully during installation.

4) Installation of this kit must be performed by a qualified service technician.

5) The Heat Wave Kit must be installed only as specified. Any modifications of the kit or components will void the warranty and may cause a fire hazard.

6) Plan the location of the fireplace and the warm air duct runs, see diagram 1 as a guide for possible duct runs and locations.

Maximum Duct Run: 20 ft. (6.1m) per kit.

NOTE: Airflow through the duct system is affected by the duct length and number of bends. Keep the length and bends to a minimum to maximize performance.

PARTS

Included with Kit:

1 946-597 20 ft. (6.1m) 6" dia. aluminum flex pipe (946-753 only)
1 946-010 20 ft. (6.1 m) of 6" dia. flex pipe (946-556 only)
1 946-517 Fan housing assembly
1 910-412 Variable wall rheostat
1 946-006 Air register
1 946-005 Register adaptor frame (thick)
1 946-000 Round Duct collar
1 946-001 Oval Duct collar
1 946-002 Duct adaptor (round to oval)
1 946-045 Insulation (60")
   Hardware package

If any parts are missing or damaged, contact your dealer before starting installation. DO NOT install a damaged kit.

NOTE: For the City 40 Series, adaptor kit #656-995 must be used with HeatWave kit 946-556.

For the City 60 Series, adaptor kit #946-766 must be used with HeatWave kit #946-753.

For the City 72 Series, adaptor kit is not required.

Diagram 1: Guide for possible air duct runs and locations. Keep duct length and number of bends to a minimum. Maximum duct length is 20 ft. (6.1m) per kit.
**MINIMUM FRAMING CLEARANCES**

* Wall studs must be 16" on center for mounting fan housing.
* Fan Housing: Maintain a 1/4" (6mm) clearance from fan housing to combustible material.
* Wall Registers must be 4"(102mm) from floor above or ceiling below.

### Minimum Framing Clearances

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<th>Model</th>
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<th>C</th>
<th>D</th>
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### Minimum Duct Clearances

The air duct has a '0' clearance to combustibles but the first 24" of pipe from the unit requires insulation (included with kit). See diagram below.
**INSTALLATION**

A) For Models; (Using Side Exit)
HZ54E, HZ33CE, HZ40E, P33, P33CE, P33E, P36, P36E, P36D, U900E, U1500E, G600C, G600EC, G800EC, and G800C.

**NOTE:** Installation of Heat Wave duct kit should be done prior to drywall installation.

1. Remove the cover plate from the fireplace side and discard.

   ![Remove the cover plate](image1.png)

2. Remove the knock-out and bend the tabs outward.

   ![Remove the knockout](image2.png)

3. Cut out and remove the insulation under the top opening.

   ![Cut out and remove](image3.png)

4. Push Round Duct Collar through to inner shell top and attach to all 3 tabs on fireplace top with screws.

   ![Push Round Duct Collar](image4.png)

B) For P90; (Using Top Exit)

1) Remove the knockout plate from the fireplace top and discard.

   ![Remove the knockout](image5.png)

2) Attach assembly to unit in location shown below with 4 screws.

   **NOTE:** Heatwave adaptor may be installed on either left or right side.

3) Bend the tabs outward.

   ![Bend the tabs](image6.png)

4) Cut out and remove the insulation under the top opening.

   ![Cut out and remove](image7.png)

C) For the City 40 Series; (Using Top Exit)
install adaptor kit # 656-995

1. Attach collar to base of adaptor with 4 screws as shown below.

   ![Attach collar to base](image8.png)

2. Remove the knockout from the top of the unit and recycle.

   ![Remove the knockout](image9.png)

3. Fold up 3 tabs up as shown.

   ![Fold up 3 tabs](image10.png)

D) For the City 72 Series

**NOTE:** Install the Heatwave venting to the unit before moving unit into framing to allow access to secure the adaptor and flex pipe.

1. Remove the deflector from the top of the unit by removing 4 screws.

   ![Remove the deflector](image11.png)

2. Remove the knockout from the top of the unit and recycle.

   ![Remove the knockout](image12.png)

3. Fold up 3 tabs up as shown.

   ![Fold up 3 tabs](image13.png)

4. Connect pipe adaptor to the tabs with 3 screws (use the lower holes on the adaptor).

   ![Connect pipe adaptor](image14.png)
5. Connect the flex pipe to the adaptor with 3 screws.

6. Fold the deflector (removed from Step 1) fold the 4 tabs to 90° and secure the tabs to the unit with 4 screws.

E) For the City 60 Series, Install Adaptor Kit #946-766

Prior to installing this adaptor, determine which CV60/CRB60 model you have as the instructions differ depending on which option your fireplace has.

For old version (with knockout)

1a. Follow these steps for CB60 and CV60 models that have the pattern shown above on the outer body.

1b. Position adapter 946-766 1” (25 mm) from back of fireplace and 1” (25 mm) from edge of air chamber. Air intake/open end should be facing forward.

Note: Leave the knockout in place - do not remove it.

For new version (no knockout)

2a. Follow these steps for CB60 and CV60 models with the hole pattern shown above on the outer body.

2b. Align adapter 946-766 so the hole pattern on it and the top of the fireplace line up. Air intake/open end should be facing forward.

3. Screw adapter 946-766 to top of fireplace using 4 self-tapping screws included.

4. Bend pipe attachment tabs up with a pair of pliers.

5. Attach round duct collar (946-000) with three screws.

F) All models:

1) Determine the location of the air register/fan housing assembly. Cut a 5” x 16” (121mm x 406mm) hole between framing members (wall studs or floor joists). Maintain a 1/4” (6mm) clearance from fan housing to combustible material. See page 3 for clearances.

2) Mount and secure the fan housing assembly to framing members. The front of the fan housing will protrude 1/2” (51mm) out of the wall so it may be finished with drywall, etc. See diagram 2.

3) Install the air duct run. Secure the duct to the duct collar on the unit and to the fan housing with 3 screws (per end) and aluminum duct tape (UL 181A-P or equivalent).

Diagram 2 Side View: Secure fan housing to minimum 2 x 4 framing.
The first 24" of duct pipe (from the unit) must be covered with insulation.

**Round Air Duct**: Attach the 6" round air duct (supplied) to the fireplace collar and run the duct to the fan housing. Attach the round-to-oval adaptor to the fan housing and the air duct to the adaptor, diagram 3.

**Oval Air Duct**: Attach the round-to-oval adaptor to the fireplace starting collar and a 6" oval duct (not supplied) to the adaptor. Complete the duct run and attach the oval duct to the fan housing.

**Round and Oval Duct**: A combination of 6" round and 6" oval duct can be used in the duct run. Oval duct components are not supplied but can be purchased from an HVAC supplier.

4) **Install the variable speed Wall Rheostat** (with OFF setting) in a convenient location. This switch controls the fan operation.

5) **Wire 120V AC service to the Wall Rheostat** and from the Wall Rheostat to the Fan Junction Box. Use wire nuts to secure the 120V AC wires to the hot and neutral fan wires and screw the 120V AC ground wire to the Fan Junction Box. See wiring diagram below.

6) **Screw the fan junction box** to the fan housing.

7) **Screw the Register Adapter Frame and the Air Register** to the Fan Housing, diagram 4.

**Note**: For new construction only the Air Register is required to cover the opening.

8) **Complete the fireplace installation** as per fireplace installation manual.

**Diagram 3a**: For City 40 Series, City Series 60, City 72 Series, P90

**Diagram 4**

**Diagram 3a**: For Models; HZ54E, HZ33CE, HZ40E, P33, P33CE, P33E, P36, P36E, P36D, P90, U900E, U1500E, G600C, G600EC, G800C, and G800EC.
**OPERATION**

1. Start the fireplace as per instructions and allow it to warm up.
2. Turn the Wall Rheostat "ON" and adjust the variable speed based upon desired air flow at the Air Duct Register.

**MAINTENANCE**

1. Service and maintain the fireplace as per the fireplace installation manual.
2. Keep the Air Register(s) clean and free of any blockage.