

HARGROVE GAS LOGS

CONCENTRIC VALVE (CPE-PO) PILOT CONTROL SYSTEM INSTALLATION INSTRUCTIONS



This gas pilot safety valve provides 100% shut-off of both pilot and main burner gas supply in the event of pilot flame failure. This valve is equipped with a manual gas control knob to provide for pilot lighting. It also has a control knob that controls flame height.

If the pilot flame goes out during normal operation, or if there is insufficient pilot flame to provide proper thermocouple output, the safety valve will close, stopping the flow of all gas. This valve is designed for use on all domestic heating gases up to 1/2" PSI.

CAUTIONS

1. This valve should be installed only by an experienced service technician trained in gas safety equipment.
2. Turn off gas supply before installing valve.
3. All piping must meet applicable local codes and ordinances and the national fuel gas code (ANSI Z223.1/NFPA NO. 54)
4. All wiring must meet applicable electrical codes and ordinances.
5. Check out the complete system after installing the valve.
6. Prior to installation, verify conformance with burner manufacturer's installation instructions.
7. Make sure all piping is free of foreign matter.

FOR YOUR SAFETY

IF YOU SMELL GAS:

1. OPEN WINDOWS
2. DON'T TOUCH ELECTRICAL SWITCHES
3. EXTINGUISH ALL OPEN FLAMES
4. IMMEDIATELY CALL YOUR GAS SUPPLIER

FLAMMABLE VAPORS MAY BE DRAWN BY AIR CURRENTS FROM OTHER AREAS OF YOUR HOUSE TO THIS APPLIANCE.

FOR YOUR SAFETY

DO NOT STORE OR USE GASOLINE OR OTHER FLAMMABLE VAPORS AND LIQUIDS IN THE VICINITY OF THIS OR ANY OTHER APPLIANCE.

INSTALLATION INSTRUCTIONS

! WARNING !

Fire hazard. Do not disassemble or attempt repair of this unit. Disassembly, reassembly or internal adjustment could cause valve to malfunction, resulting in personal injury, death or property damage. If the control valve does not operate properly following installation or service, replace the unit.

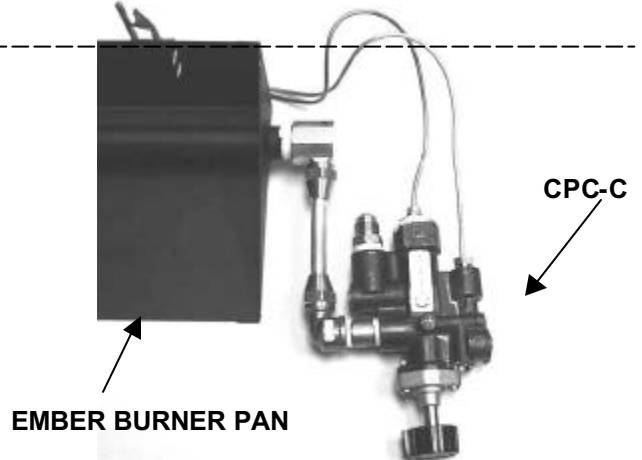
WARNING: Valves may not shut off if flow is not in direction of arrow on valve body.

WARNING: Warranty is void if the CPC-C is installed behind the burner pan in the fireplace. (Fig.1)

Parts List (Fig.2):

1. (CPC-C) Concentric Safety Gas Valve
2. (HS-CPC-250) Concentric Heat Shield w/Fiberglass Mat
3. (RSTPB-18) Thermocouple & Pilot Burner Assembly
4. (SC-3) Stainless Steel Extension Connector
5. (48-6) Brass Union
6. (50-6-6) 3/8 FIP X 3/8 FL
7. (N-6X1.5) 3/8 X 1 1/2 Black Nipple

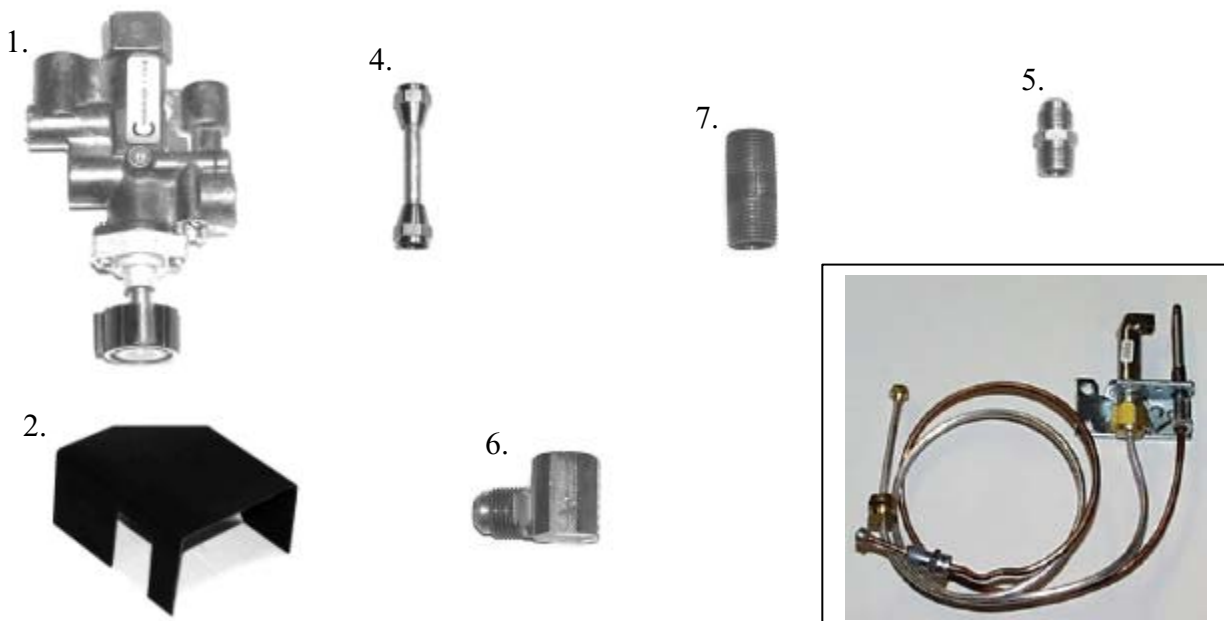
Fig.1 DO NOT INSTALL CPC-C BEHIND THE EMBER BURNER PAN IN THE FIREPLACE. CPC-C MAY OVERHEAT.



Note: Piping from gas supply to valve and from valve to burner must be supplied by installer when installed outside the firebox.

Fig.2

Parts Included In CPE-PO Kit



INSTALLATION INSTRUCTIONS

This gas valve should be installed according to the following instructions. Check for gas leaks with a soap solution after completing installation.

MAIN PIPING CONNECTIONS

- 1) Be sure the main gas supply is shut off before starting the installation. It should be located so that the gas control knob is easily accessible.
- 2) Direction of gas flow is indicated by the directional arrow on the outlet boss.
- 3) You should use new pipe, which has properly chamfered and reamed. If you use old pipe, be sure it is clean and free of rust, scale, burrs, chips and old pipe joint compound.
- 4) Apply pipe joint compound (pipe dope) that is approved for all gases, only to the male threads of pipe joints. DO NOT apply compound to first two threads. Do not thread pipe too far.

NOTE: Applying pipe joint compound to pipe threads will prevent chips from passing into internal valve parts, since the pipe joint compound will collect and retain chips that are formed as the pipe is threaded into the body.

- 5) If a vise or open-ended wrench is used to hold the control while installing piping, do not tighten excessively, as this may damage the control.

CPC INSTALLATION

See Fig. 3

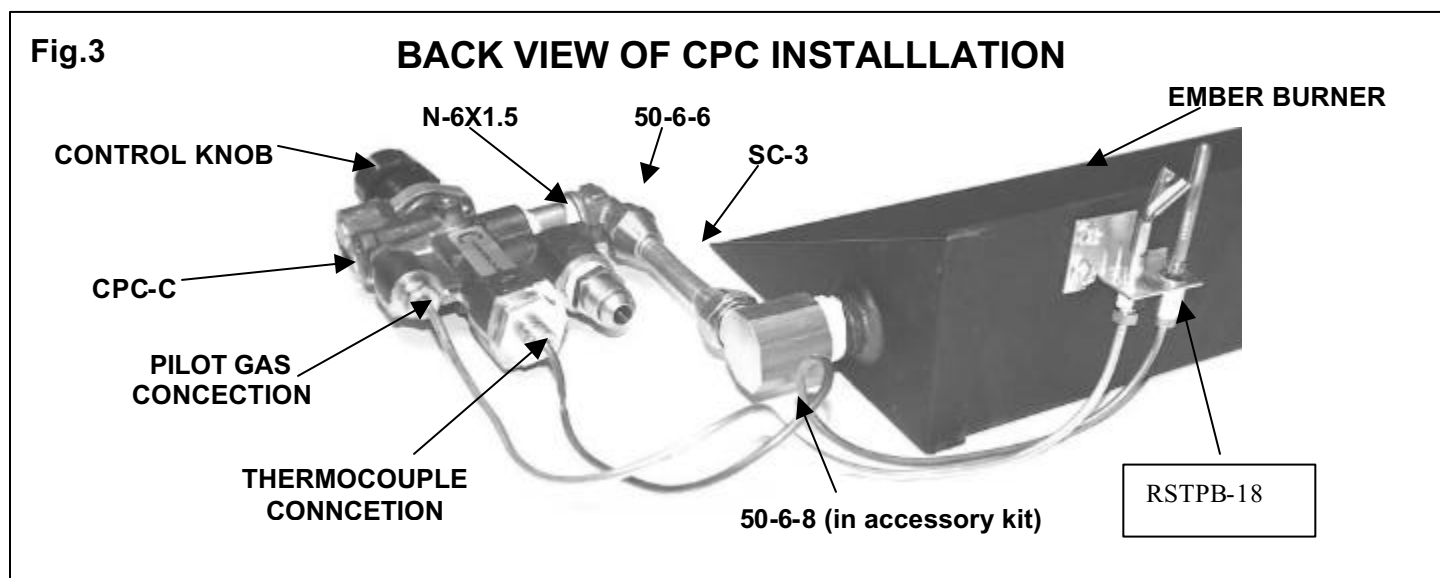
- 1) Attach the Brass 50-6-8 (in accessory kit parts packet) to the pipe extending out of the Ember Burner pan. Make sure the flared end of the 50-6-8 is facing toward the front of the Ember Burner Pan.
- 2) Connect the 50-6-6 brass elbow to the N-6X1.5 black nipple.
- 3) Attach the black nipple from step 2 into the outlet on the CPC-C.
- 4) Attach the 48-6 brass to the inlet (opposite of the control knob) side of the CPC-C.
- 5) Use the SC-3 extension connector to attach the 50-6-8 and the 50-6-6.
- 6) Use the #8X1/2 screws (not shown) to attach the RSTPB-18 pilot assembly to the back side of the burner pan in the pre drilled holes. Attach the pilot so that the pilot burner is above the back wall of the burner pan.

Pilot Gas Connection

Install the silver tubing from the RSTPB-18 into the pilot gas tapping, turning until finger-tight. Slowly tighten the fitting until a slight "give" is felt. Then tighten an additional 1 1/2 turns.

Thermocouple Connection

The thermocouple connector should be clean for good electrical contact. Run the thermocouple nut into the thermocouple connection as far as possible by hand. Then set the nut with 1/4 to 1/2 additional turn



LIGHTING INSTRUCTIONS

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 lit 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.

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 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. Forced 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.

PILOT LIGHTING PROCEDURE

1. Turn the gas control knob to the *off* position (it will be necessary to depress the knob slightly at the *pilot* position). Allow five minutes for any gas in the combustion chamber to escape (LP gas, which is heavier than air, may require forced ventilation).

2. Turn the gas control knob to the *pilot* position.

3. Push in on the gas control knob and light the pilot immediately. Hold the knob down for one full minute after lighting the pilot.

4. When the gas control knob is released, the pilot flame should continue to burn (if the pilot goes out, repeat the above steps).

5. Rotate the gas control knob from *pilot* to *on* position (full counterclockwise position) to supply full flow of gas to main burner.

6. You can adjust the flame height by the control knob, if you turn it back towards the *pilot position* you will *decrease* the gas flow, in turn you will decrease the flame height.

PILOT FLAME ADJUSTMENT

These controls are factory preset and will not normally require additional adjustment of the pilot flame. If field adjustment of the pilot flame is required, turn the adjusting screw clockwise reduce flame, or counterclockwise to increase flame.

LIMITED WARRANTY

Refractory Logs

Hargrove gas logs carry a limited lifetime warranty against any manufactured defect or breakage when installed indoors. A replacement will be available from the dealer at which the appliance was purchased. This warranty does not cover breakage caused by excessive handling once installed and fired. Outdoor applications carry a one (1) year limited warranty.

Burner & Grate

If the burner or grate fails due to deterioration within two (2) years of the verified purchase date, a free replacement will be made available from the dealer at which the appliance was purchased.

Valves, Remote Controls, & Switching Devices

Hargrove warrants all valves, remote controls and switching devices against manufacturing defects, which appear within two (2) years of the verified purchase date. Warranty does not cover products that have been damaged by misuse from overheating. Before any product is returned a Return Goods Authorization number (RGA) must be issued by Hargrove's Customer Service Department. All returns must be accompanied by an explanation of the problem and all necessary parts.

All Other Parts

If any assembled part should fail to operate or be found defective which appear within two (2) years of the verified purchase date, a replacement will be available from the dealer at which the appliance was purchased.

Buyer shall notify Hargrove Mfg Corp. of any defect covered by this warranty no later than thirty (30) days after defect is discovered. Failure to provide notice within thirty (30) days shall void the limited warranty.

WHAT IS NOT COVERED

1. Removal and reinstallation costs.
2. Labor costs for replacement or repairs.
3. Transportation or shipping cost.
4. The cost of a service call to diagnose trouble.
5. Painted Surfaces.
6. Damage or defect caused by improper installation, accident, misuse, abuse, alteration, or authorized service technician.
7. Replacement of burner or combustion chamber resulting from improper storage of the appliance.

LIMITATIONS AND EXCLUSIONS

1. No one has authority to add to or vary this limited warranty, or to create for Hargrove Manufacturing Corporation any other obligation or liability in connection with this appliance.
2. Any implied warranty applicable to this appliance is limited in duration to the same period of time as this written Warranty. Some states do not allow limitations on how long an implied warranty lasts, so the above limitations may not apply to you.
3. HARGROVE MANUFACTURING CORPORATION WILL NOT BE LIABLE FOR INCIDENTAL, CONSEQUENTIAL, SPECIAL OR CONTINGENT DAMAGES YOU MIGHT SUFFER AS A RESULT OF A CLAIM UNDER THIS WRITTEN WARRANTY OR ANY IMPLIED WARRANTY. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusion may not apply to you.
4. This warranty applies only to the original purchaser and may not be transferred or assigned.
5. If you cannot verify the purchase date of the appliance, the warranty period will begin on the date of which the appliance was manufactured.
6. Replacement or repair parts are warranted for the remaining period of the original part warranty. Warranty parts must be obtained through authorized dealers of this product who will provide original factory replacement parts. Failure to use original factory replacement parts voids this warranty.
7. The maximum liability of Hargrove Mfg Corp. in connection with this limited warranty shall not in any case exceed the contract price paid for the product claimed to be defective or unsuitable.
8. Purchaser or user agrees to hold Hargrove Mfg Corp. harmless from any and all claims by the buyer as a result of injury or damage to an ultimate user or other person caused by the product sold herein by the seller to the buyer, whether the injury or damage results from the assembly, installation, operation, shipment, storage, or manufacture of this product. Hargrove Mfg Corp. makes no warranties, expressed or implied, other than those expressly stated herein.

YOUR DUTIES

This appliance must be installed by a qualified installer, operated and maintained in accordance with all applicable codes and the instructions furnished with the appliance. You must provide a receipt verifying the purchase date of the appliance when making a warranty claim with the dealer from which the appliance was purchased.

This warranty gives you specific legal rights, and you may also have other rights, which vary from state to state.

To register your Hargrove product, please visit our website at <http://www.hargrovegaslogs.com/reg.htm>.

CONTACT INFO: Hargrove Manufacturing Corp.

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