

# HARGROVE GAS LOGS

## ROBERT SHAW HIGH CAPACITY (RMBE-PO) MILLIVOLT GAS VALVE 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 Z233.1/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

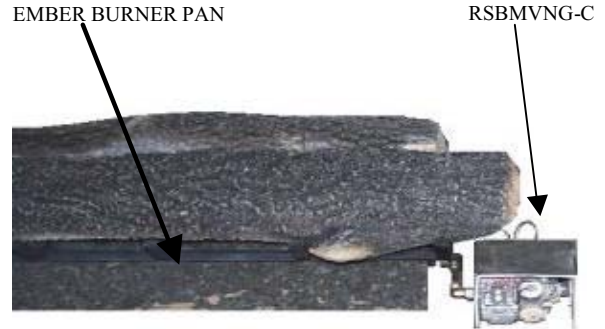
## **! WARNING !**

**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 RSBMV-C is installed behind the burner pan in the fireplace.  
**(Fig. 1)**

**DO NOT INSTALL RSMV-C BEHIND THE EMBER BURNER PAN IN THE FIREPLACE. RSMV-C MAY OVERHEAT.**



### Parts List (Fig.2):

1. **RSBMVNG-C** Robert Shaw Millivolt Safety Gas Valve
2. **HS-425** Millivolt Valve Heat Shield w/Fiberglass Mat
3. **RSTPG-48"** Thermopile & Pilot Burner Assembly Kit
4. **Wall Switch and Cover Plate**
5. 20' of **18 Gauge Wire**
6. (2) **#10-32 x 1/4"** Screw
7. (2) **#8 x 1/2"** Screw
8. **RSTPB** (attaches the pilot to the pan)
9. (2) **49-8-12** 1/2" x 3/4" MIP Brass Elbow
10. **1AC-3** 1/2" Aluminum Connector w/3" Length
11. (2) **50-8-8** 1/2" x 1/2" FIP Brass Elbow
12. **1AC-18** 1/2" Inlet Gas Supply Connector

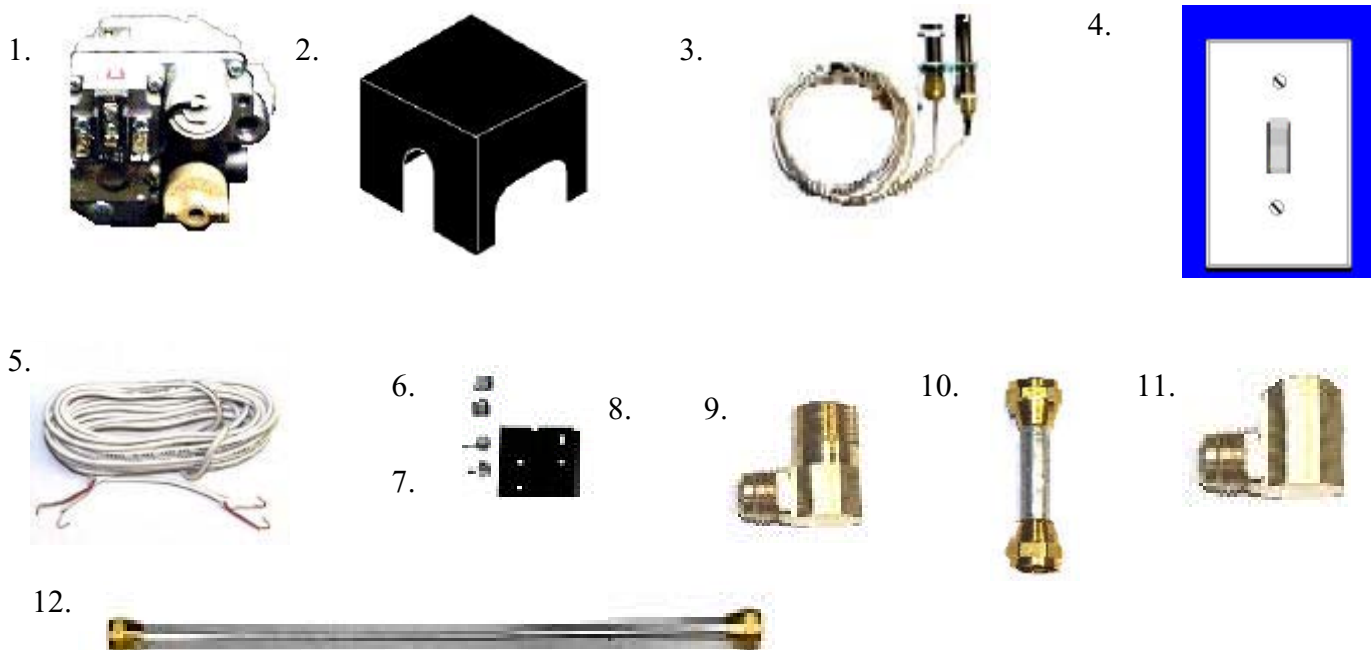
Remote Control (optional) – ordered separately

- A. RC A12V-J – 12-Volt battery operated remote and receiver.
- B. RC 110-V – requires 100-Volt electricity for the receiver.

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

**Fig.2**

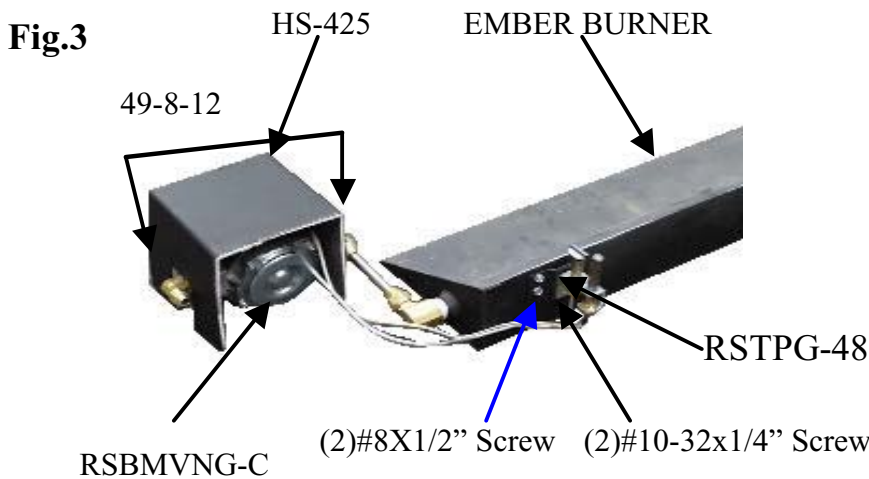
### Parts Included In RMBE-PO



# INSTALLATION INSTRUCTIONS

## Thermopile and Pilot Burner Assembly

1. Attach the pilot generator (thermopile and pilot burner assembly) to the pilot bracket using the (2) #10-32 x 1/4" screws. **(Fig.3)**
2. Connect the pilot bracket to the backside of the burner pan using the (2) #8 x 1/2" screws. **(Fig.3)**
3. Connect opposite end of the pilot tubing to the pilot port on the gas valve. **(Fig.3)**
4. Attach the leads from the thermopile (pilot generator) to the terminals labeled "TP" on the valve. **(Fig.4)**  
 \*Make sure the pilot tubing and thermopile leads do not contact any parts that get hot or run away through any areas that may have flames.



### RECOMMENDED GAUGE OF WIRE WALL SWITCH & REMOTE CONTROL

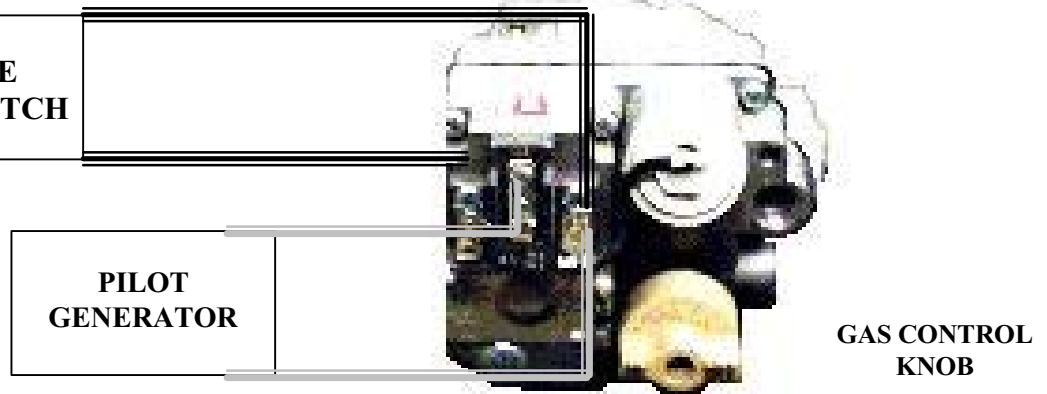
WIRE SIZE	MAXIMUM LENGTH
14 Gauge	100 Ft.
16 Gauge	64 Ft.
18 Gauge	40 Ft.
20 Gauge	25 Ft.
22 Gauge	16 Ft.

### MV-C VALVE

SWITCHING DEVICES  
WALL SWITCH, REMOTE CONTROL, BARK CHIP SWITCH & PINCONE SWITCH

### WIRING SCHEMATIC

Fig.4



### WALL SWITCH- (use installation instructions accompanying any other switching device)

1. To install a wall switch, mount a standard 3"x 2" electrical box in wall near the fireplace. Run thermostat wire (18 gauge wire) from the electrical box to the millivolt valve. At the valve, connect the lead wires to the two outside terminals labeled "TH". On the switch, connect a lead wire to each terminal. **(Fig.4)**
2. Mount the wall switch to the electrical box and install cover plate.  
 \* If installing a remote control attach the leads from the receiver to the same terminals as the wall switch on the MV-C.

## 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.**

**Tele: (800) 725-4166**