



**WHITE-RODGERS**

## 764-700 to 764-759

Dual Inlet Gas Pilot Safety Valve  
(Thermocouple-Operated)

### INSTALLATION INSTRUCTIONS

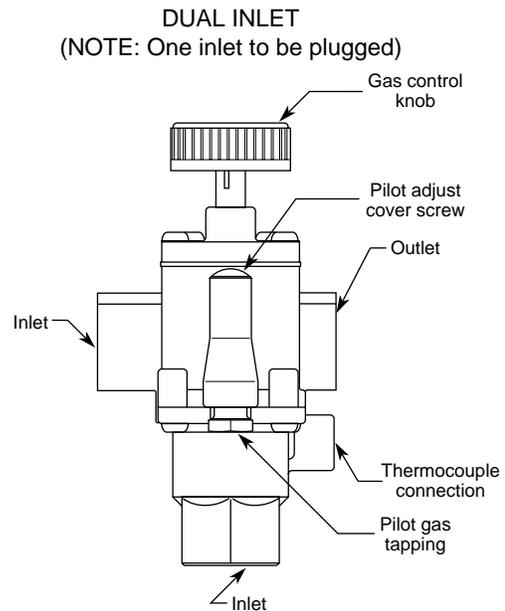
**Operator: Save these instructions for future use!**

**FAILURE TO READ AND FOLLOW ALL INSTRUCTIONS CAREFULLY BEFORE INSTALLING OR OPERATING THIS CONTROL COULD CAUSE PERSONAL INJURY AND/OR PROPERTY DAMAGE.**

## DESCRIPTION

Ideal for use on wall heaters, space heaters, consoles, etc., 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 3-position gas control knob to provide for pilot lighting. This control also allows pilot flame adjustment.

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.



## SPECIFICATIONS

### Capacity (for AGA natural gas at 1" drop):

3/8" x 3/8" size:

side inlet – 112,000 BTU/hr.

bottom inlet – 107,000 BTU/hr.

1/2" x 1/2" size:

side inlet – 124,000 BTU/hr.

bottom inlet – 118,000 BTU/hr.

**Pilot connection:** 1/4" tubing

**Pressure:** 1/2" PSI maximum

**Ambient Rating:** -40°F to 250°F operating temperature

**Mounting Position:** Multipoise

**Ignition Source:** Pilot

**Type of gas:** Suitable for all domestic heating gases

**Thermocouple:** Use W.R. Type H06E

<b>Accessories:</b>	<u>Item</u>	<u>Part No.</u>
	Replacement Knob	F42-0895
	Stem Extender	F145-1111

**Approvals:** ANSI Z21.78 Combination Gas Control  
CAN 1-6.4  
CAN 1-9.1

**⚠ CAUTION**

**DO NOT USE THESE GAS VALVES WITH UNVENTED APPLICATIONS.**



**WHITE-RODGERS DIVISION**  
EMERSON ELECTRIC CO.  
9797 REAVIS ROAD  
ST. LOUIS, MISSOURI 63123-5398

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**PART NO. 37-5234E**

Replaces 37-5234D

9502

## INSTALLATION

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

**⚠ CAUTION**

Never use flame to detect leaks.

**⚠ CAUTION**

Do not leave unused inlet unplugged.

**⚠ CAUTION**

**DO NOT USE THESE GAS VALVES WITH UNVENTED APPLICATIONS.**

### MAIN PIPING CONNECTIONS

1. Be sure the main gas supply is shut off before starting the installation. The gas valve may be installed in any position, but 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 been 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. If the side inlet is to be used, it is necessary to remove the plug and install it in the bottom inlet. This procedure requires a  $\frac{5}{16}$ " Allen wrench. Be sure the end of the plug is free of burrs, chips, etc. Before installing plug, apply pipe joint compound (pipe dope) that is approved for all gases, only to the male threads of the plug. DO NOT apply compound to first two threads. Do not overtighten the plug.
5. 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 onto internal valve parts, since the pipe joint compound will collect and retain chips that are formed as the pipe is threaded into the body.

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

### PILOT GAS CONNECTION

Install the fitting into the pilot gas tapping, turning until finger-tight. Insert clean, deburred tubing all the way through the fitting. Holding the tubing securely, slowly tighten the fitting until a slight "give" is felt. Then tighten an additional  $1\frac{1}{2}$  turns.

### THERMOCOUPLE

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  $\frac{1}{4}$  to  $\frac{1}{2}$  additional turn using a small wrench. Do not overtighten.

## 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 lighted 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. 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.

### 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 down 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 to main burner.

#### **NOTE**

Not turning the gas control knob to the full **ON** position will reduce the flow and could result in poor ignition of main burner.

### 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, remove the pilot adjust cover screw to expose the adjusting screw. Turn the adjusting screw clockwise (  ) to reduce flame, or counterclockwise (  ) to increase flame. Replace pilot adjust cover screw and tighten securely.

### TESTING

After completing the installation, check for proper operation by turning the gas control knob to the **PILOT** position. With the pilot lit, loosen the thermocouple connection. The pilot should immediately go out. Turn the gas control knob to the **OFF** position and retighten the thermocouple connection.

Allow five minutes before relighting the pilot.

If you need further information about this product, please write to:

White-Rodgers Division, Emerson Electric Co.  
9797 Reavis Road  
St. Louis, MO 63123-5398  
Attention: Technical Service Department