Safety Pilot Control System

LOST RIVER PRODUCTS

INSTALLATION & OPERATIONS GUIDE

Copreci Gas Control Valve
Safety Pilot System

VALVE SYSTEM

SPV / Safety Pilot

QUALIFIED INSTALLATION REQUIRED

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

IMPORTANT SAFETY PRECAUTIONS

01 This valve system **MUST** be installed by a certified and trained gas professional.

02 Turn off the gas supply before installing the valve.

03 All piping **MUST** meet applicable local codes and fuel gas codes.

04 All wiring **MUST** meet applicable electrical codes and ordinances.

05 Check the complete system after installing the valve.

06 Before installation, verify conformance with burner installation instructions.

IF YOU SMELL GAS: Do not light any appliance or touch electrical switches. Contact your gas supplier from a safe location; if unavailable, call the fire department.

INSTALLER: Leave this manual with the log set. **CONSUMER:** Retain this manual for future reference.

Valve & Parts Reference

SAFETY PILOT ASSEMBLY

SPQMKN / SPQMKLP



COMPONENT INDEX

01	Copreci Gas Control Valve	05	49-66 — 3/8 x 3/8 90°
02	1900-01H/107 Thermocouple Pilot Hood	06	101 — 4-inch Stem Extension
03	426 — 3/8 x 3/8 Swivel Connector	07	Control Knob
04	48-66 — 3/8 x 3/8 Straight		

WARNING: Installer MUST follow the gas-flow direction marked on the valve. Incorrect direction may prevent the valve from shutting off gas.

Gas Piping & Assembly

BEFORE SERVICING: Turn off the gas supply to the equipment.

PIPING & INSTALLATION INSTRUCTIONS

01 Check the replacement valve for multiple outlets (side outlets). Plug any unused outlets with the supplied socket plugs.

02 Pipe or tubing must be clean and free of scale and dirt.

03 Pressure-test gas piping before connecting the control. High pressure can damage the control. Do not subject it to more than 1/2 PSI (14” W.C.) inlet pressure.

04 If not already installed, add a drip leg (sediment trap) to the gas supply line. All piping must comply with applicable local codes and ANSI Z223.1/NFPA 54.

05 Apply gas-suitable pipe compound or tape to male threads. Install the straight fitting in the back of the valve and the 90° fitting in the side. Hand-tighten first, then secure with an open-ended wrench.

06 Using Part 426 or US-4-6, connect the valve to the burner. These flare fittings do not require Teflon tape or pipe compound. Secure the valve parallel to the burner.

07 Attach the pilot assembly to the burner pilot mounting tab using two self-tapping screws. Position the 90-degree hood so one flame points toward the burner and the other toward the thermocouple.

08 Secure the thermocouple and pilot tubing to the gas valve.

09 After fittings and lines are tightened, connect the valve to the incoming gas supply. Attach the knob and stem to the valve.

Note: Installation photographs and heatshield-placement illustration marked for removal have been omitted.

Read Before Lighting

WARNING: If these instructions are not followed exactly, fire or explosion may result, causing property damage, personal injury, or loss of life.

BEFORE LIGHTING

• This appliance has a pilot that must be lighted by hand.

• Before lighting, smell around the appliance for gas, including near the floor, because some gas is heavier than air and may settle there.

• Use only your hand to push in or turn the gas control knob. Never use tools. If it will not move by hand, call a qualified service technician. Attempted repair may cause fire or explosion.

• Do not use the appliance if any part has been underwater. Call a qualified service technician to inspect it and replace affected control-system parts.

WHAT TO DO IF YOU SMELL GAS

01 Do not try to light any appliance.

02 Do not touch electrical switches or use a phone in the building.

03 Immediately call your gas supplier from a neighbor’s phone. Follow the supplier’s instructions.

04 If you cannot reach your gas supplier, call the fire department.

SAFETY NOTICE: Installation and service must be performed by qualified personnel. Follow applicable codes and the specific appliance requirements.

Lighting & Shutdown

SAFETY PILOT LIGHTING INSTRUCTIONS

01 STOP! Read the safety information on the preceding page.

02 Push in the gas control knob slightly and turn clockwise to “OFF”.

03 Wait five (5) minutes to clear out any gas. If you smell gas, STOP and follow the safety instructions. If you do not smell gas, proceed.

04 Find the pilot by following the metal tube from the gas control behind the burner.

05 Turn the gas control knob counterclockwise to the center arrow position.

06 Push in the control knob all the way and hold. Immediately light the pilot with a match. Continue holding for about one minute after the pilot is lit. Release the knob; it should pop back up and the pilot should remain lit. If it goes out, repeat steps 3–7.

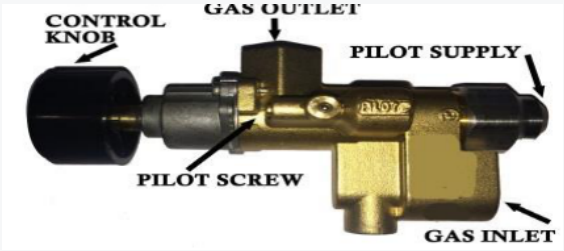
07 Turn the gas control knob counterclockwise to “ON”.

IMPORTANT: The knob cannot be turned from “PILOT” to “OFF” unless pushed in slightly. Do not force it. If the knob does not pop up when released, stop and call your service technician or gas supplier. If the pilot will not stay lit after several tries, turn the control knob to “OFF” and call your service technician or gas supplier.

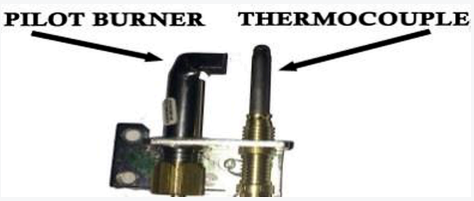
TO TURN OFF GAS TO APPLIANCE

Turn the knob clockwise from “ON” to the center arrow position. Push in the gas control knob slightly and turn clockwise to “OFF”. Do not force the knob.

VALVE AND PILOT REFERENCE



GAS CONTROL VALVE



PILOT ASSEMBLY