HOMECREST.

2019 CRYSTAL FIRE

FIRE TABLE MANUAL



surface. See page 15!

USER MANUAL FOR:

CF-12 (LP & NG), CF-1224 (LP & NG) and CF-20 (LP & NG)



Installation and service of this appliance should be performed by qualified personnel. Homecrest Outdoor Living suggests NFI certified, factory-professionals, or technicians supervised by an NFI certified professional.



▲ CAUTION **▲**

DO NOT DISCARD THIS MANUAL.

- · Important operating and maintenance instructions included.
- · Read, understand, and follow these instructions for safe installation and operation.



⚠ WARNING **⚠**

IF THE INFORMATION IN THESE INSTRUCTIONS IS NOT FOLLOWED EXACTLY, A FIRE OR EXPLOSION MAY RESULT CAUSING PROPERTY DAMAGE, PERSONAL INJURY OR LOSS OF LIFE.

- · Do not store gasoline or other flammable vapors or liquids in the vicinity of this or any other appliance.
- · 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.
- · Installation and service must be performed by a qualified installer, service agency, or the gas supplier.



⚠ WARNING **⚠**

HOT! DO NOT TOUCH. SEVERE BURNS MAY RESULT. CLOTHING IGNITION MAY RESULT.

Glass and other surfaces are hot during operation and cool-down.

- · Keep children away.
- · CAREFULLY SUPERVISE children near this appliance.
- · Alert children and adults to hazards of high temperatures.
- · Keep clothing, furniture, draperies, and other combustibles away.
- · Installation and service must be performed by a qualified installer, service agency, or the gas supplier.



↑ WARNING **↑**

Improper installation, adjustment, alteration, service, or maintenance can cause injury or property damage. Read the installation and maintenance instructions thoroughly before installing or servicing this equipment.

↑ WARNING **↑**

For outdoor use only. It is imperative the burner be kept clean.



READ THIS MANUAL BEFORE INSTALLING OR OPERATING THIS APPLIANCE. PLEASE RETAIN THIS OWNER'S MANUAL FOR FUTURE REFERENCE.

CONGRATULATIONS

Congratulations on selecting a Homecrest Outdoor Living decorative gas appliance. The Crystal Fire you have selected is designed to provide the utmost in safety, reliability, and efficiency.

As the owner of a Crystal Fire, you'll want to read and carefully follow all of the instructions contained in this owner's manual. Pay special attention to all cautions and warnings.

This owner's manual should be retained for future reference. We suggest you keep it with other important documents and product manuals.

This information contained in this owner's manual, unless noted otherwise, applies to all models and gas control systems. Your new Crystal Fire will give you years of durable use and trouble-free enjoyment.

Homeowner Reference Information	We recommend that you record the following pertinent information about your appliance.
Model Name:	_ Date of Purchase/Installation:
Serial Number:	_ Location on Appliance:
Dealer Purchased From:	_ Dealer Phone:
Notes:	

LISTING LABEL INFORMATION/LOCATION:

The model information regarding your specific appliance can be found on the rating plate attached to your burner via a metal chain. See the sample rating plate below for locations of specifications.

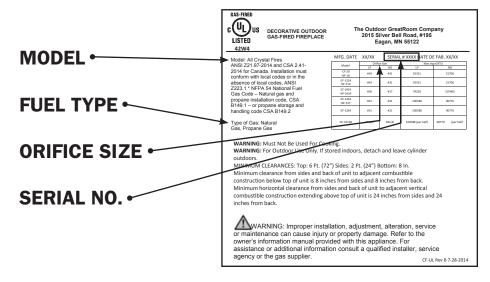




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5. LIGHTING & OPERATION

THIS MANUAL DEMONSTRATES THE SET UP FOR THE FOLLOWING BURNERS:

CF-12

- · Round Burner Assembly
- · Black Propane Hose with Regulator
- Flexible Metal Gas Line
- #55 Orifice (LP Gas)
- #49 Orifice (Natural Gas)
- 1 Bag of Decorative Fire Glass
- · Key Valve
- Key

Note: Use of the riser is required.

CF-1224/NF-719

- Rectangular Burner Assembly
- · Black Propane Hose with Regulator
- · Flexible Metal Gas Line
- #43 Orifice (LP Gas)
- #31 Orifice (Natural Gas)
- 2 Bags of Decorative Fire Glass
- Key Valve
- Key

Note: Use of the riser is required.

CF-20/NF-16

- · Round Burner Assembly
- · Black Propane Hose with Regulator
- · Flexible Metal Gas Line
- · #43 Orifice (LP Gas)
- #31 Orifice (Natural Gas)
- · 2 Bags of Decorative Fire Glass
- · Key Valve
- Key

Note: Use of the riser is required.

LISTING & CODE APPROVALS

A. APPLIANCE CERTIFICATION

MODEL: CRYSTAL FIRE CF-12, CF-1224 and CF-20 LABORATORY: Underwriters Laboratories, Inc. (UL) TYPE: Decorative Gas-Fired Outdoor Fireplace

STANDARD: Out Decorative Gas Appliances ANSI Z21.97-2014 * CSA 2.41-2014

The Crystal Fire has been tested in accordance with ANSI Z21.97-2014 and CSA 2.41-2014 for Canada and has been listed by Underwriters Laboratory (UL) for installation and operation as described in these installation and operating instructions.

The installation must conform with local codes or, in the absence of local codes, ANSI Z223.1 * NFPA 54 National fuel gas code – Natural gas and propane installation code, CSA B149.1 – or propane storage and handling code, CSA B149.2.

B. BTU SPECIFICATIONS

	ORIFICE SIZE		MAX INPUT (BTU)	
MODEL	LP GAS	NATURAL GAS	LP GAS	NATURAL GAS
CF-12	#55	#49	20000	19500
CF-1224 NF-719	#43	#31	55331	51706
CF-20 NF-16	#43	#31	55331	51706

⚠ WARNING **⚠**

ASPHYXIATION RISK:

- This gas appliance is for outdoor use in a well-ventilated space.
- This unit must not be installed inside an enclosed structure or unvented appliance.

⚠ WARNING **⚠**

DO NOT use this appliance if any part of it has been underwater. Have a qualified service technician inspect the appliance and replace any part of the control system and any gas control which has been underwater.

▲ CAUTION **▲**

SHARP EDGES:

Wear protective gloves and safety glasses during installation.

⚠ WARNING **⚠**

DO NOT burn solid fuels in this gas appliance.

⚠ WARNING **⚠**

Inspect appliance and components for damage. Damaged parts may impair safe operation.

- DO NOT install damaged, incomplete, or substitute components.
- · Report damaged parts to your dealer.

MARNING

Homecrest Outdoor Living disclaims any responsibility for, and the warranty will be voided by, the following actions:

- Installation and use of any damaged components.
- · Modification of the burner assembly.
- Installation other than as instructed by Homecrest Outdoor Living.

ANY SUCH ACTION MAY CAUSE A FIRE HAZARD.

This appliance is a Decorative Gas Appliance for **OUTDOOR USE ONLY** and **MUST NOT** be used for cooking.

Place the Crystal Fire on a flat and stable surface in an outdoor location such as a patio or deck. This location must be adjacent to the gas supply line or LP gas supply cylinder. **DO NOT** locate the appliance where it will get excessively wet or submerged in water.

A. TOOLS & SUPPLIES REQUIRED

Before beginning the installation, be sure that the following tools and supplies are at hand:

- · Gloves
- · Safety glasses
- · Phillips screwdriver
- · Non-corrosive leak check solution
- Wrenches

B. INSPECT THE APPLIANCE & COMPONENTS

- · Carefully remove all burner components from packaging.
- Read all instructions before beginning installation.
 Follow these instructions carefully during installation to ensure maximum safety and benefit.

SETTING UP THE BURNER

A. BURNER ASSEMBLY

All Models:

- · Check for damage. Do not use damaged components.
- The hose assembly must be replaced prior to the appliance being put into operation if there is evidence of excessive abrasion or wear, or if the hose is damaged. The replacement hose assembly specified by the manufacturer.
- The burner must be replaced prior to the appliance being put into operation if it is evident that the burner is damaged. The replacement burner assembly specified by the manufacturer.
- Position the assembly in the desired location. This location must be adjacent to the gas supply line. You must have easy access to the gas valve control knob after it is installed and connected to the gas supply because the **ON/OFF** gas valve is used to turn the burner on and off.

LP Gas Models:

- · Make sure the tank valve is turned completely off (clockwise).
- Ensure the tank valve has the proper external mating threads (tank valve marked "USE WITH TYPE 1").
- · Inspect the hose shipped with the appliance for any damage. Do not use if there is evidence of damage.
- · Connect the end of the hose onto the ON/OFF gas valve of the appliance. Make sure it is secured tightly.
- Connect the regulator assembly to the tank valve. Hand-tighten only (clockwise). Do not use a wrench to tighten! Use of a wrench may damage the quick closing nut and result in a hazardous condition.
- Position the hose out of pathways where people might trip over it or in areas where the hose might be subject to accidental damage.

THE METAL RISER USED ON ALL FIRE PIT BURNERS IS REQUIRED TO PROTECT THE TOP SURFACE FROM HEAT DAMAGE.

B. GLASS INSTALLATION

Spread glass out evenly over burner area. Use all glass provided for best affect.

DO NOT BURN WITHOUT GLASS OR OTHER SUBSTRATE IN BURNER.

A. FUEL

Before making gas connections, ensure the appliance being installed is compatible with the available gas type.

B. GAS PRESSURE

Proper input pressures are required for optimum performance. Gas line sizing requirements need to be made following NFPA 54.

⚠ WARNING **⚠**

FIRE RISK.

EXPLOSION RISK:

- · High pressure may cause overfire condition.
- · Low pressure may cause explosion.
- · Verify minimum pressures when other household gas appliances are operating.

Install regulator upstream of valve if line pressure is greater than 1/2 psi.



Pressure requirements for the appliance are shown in the table below. Minimum pressures must be met when other household gas appliances are operating.

PRESSURE	NATURAL GAS	PROPANE
Minimum Inlet Pressure	7" w.c.	11" w.c.
Maximum Inlet Pressure	10.5" w.c.	14" w.c.

The appliance and its individual shut-off valve must be disconnected from the gas supply piping system during any pressures in excess of 1/2 psi (3.5 kPa).

The appliance must be isolated from the gas supply piping system by closing its individual manual shut-off valve during any pressure testing of the gas supply piping system at test pressures equal to or less than 1/2 psi (3.5 kPa).

C. GAS CONNECTION

Note:

Have the gas supply installed in accordance with local building codes, if any. If not, follow ANSI 223.1. Installation should be done by a qualified installer approved and/or licensed as required by the locality. (In the Commonwealth of Massachusetts installation must be performed by a licensed plumber or gas fitter.)

Note:

A listed (and Commonwealth of Massachusetts approved) 3/8" T-handle manual shut-off valve and flexible gas connector are connected to the 3/8" control valve inlet. If substituting for these components, please consult local codes for compliance.

Incoming gas line should be piped to the 3/8" connection on the manual shut-off valve.

C. GAS CONNECTION (CONTINUED)

⚠ WARNING **⚠**

FIRE RISK.

EXPLOSION RISK:

- · Gas build-up during line purge may ignite.
- · Purge should be performed by a qualified technician.
- · Ensure adequate ventilation.
- Ensure there are no ignition sources such as sparks or open flames.



A small amount of air will be in the gas supply lines. When first lighting the appliance it will take a short time for the air to purge from the lines. Subsequent lighting of the unit will not require such purging.

⚠ WARNING **⚠**

CHECK FOR GAS LEAKS.

FIRE RISK.

EXPLOSION RISK.

ASPHYXIATION RISK:

- Check all fittings and connections.
- · Do not use open flame.
- After the gas line installation is complete, all connections must be tightened and checked for leaks with a comparaidly available leak check solution. Be sure to rinse off all leak check solution following testing.

Fittings and connections may have loosened during shipping and handling.

D. LP GAS SUPPLY

- The pressure regulator and hose assembly supplied with LP models must be used. Replacement pressure regulators and hose assemblies must be those specified in this manual.
- The LP gas supply cylinder used with LP models must be constructed and marked in accordance with the specifications for LP gas cylinders of the U.S. Department of Transportation (DOT).
- Cylinders must be stored outdoors in a well ventilated area out of the reach of children. Disconnected cylinders must have threaded valve plugs tightly installed and must not be stored in a building, garage or any other enclosed area.
- Storage of this appliance indoors is permissible only if it has been disconnected from its fuel supply (natural gas line or LP gas cylinder).
- The LP gas cylinder supply system must be arranged for vapor withdrawal.
- The LP gas cylinder used must include a collar to protect the cylinder valve.
- When an LP model is not in use, the LP gas must be turned off at the supply cylinder.
- The specific size and capacity of the cylinder(s) to be used: 20 lb or hard plumbed to propane tank.



Out to Burner

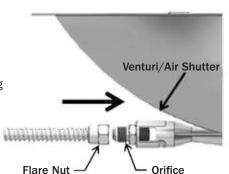
Incoming Gas

D. LP GAS SUPPLY (CONTINUED)

IMPROPER INSTALLATION, ADJUSTMENT, ALTERATION SERVICES OR MAINTENANCE CAN CAUSE INJURY OR PROPERTY DAMAGE. REFER TO AND UNDERSTAND THIS MANUAL. FOR ASSISTANCE OR ADDITIONAL INFORMATION CONSULT A QUALIFIED INSTALLER, SERVICE AGENCY, LICENSED TECHNICIAN OR THE GAS SUPPLIER.

Gas Set-Up for Liquid Propane (LP):

- 1. With the burner in place in Homecrest Outdoor Living fire pit table or other installation location and proper sized orifice inserted in burner neck (see chart on page 6 for orifice sizing), locate flexible rubber propane hose and regulator supplied with this burner.
- 2. Attach the propane hose to incoming gas fitting on the gas valve. For Homecrest Outdoor Living gas valves and control panels, this is the lower fitting. Using two wrenches, one to hold the valve and one to turn the valve fitting. Tighten until secure.
- 3. Locate the metal flex-line gas hose and tighten securely to the top valve fitting following the method described in step 2.
- 4. Using two wrenches, securely tighten the flare nut on the free end of the metal flex hose to the orifice on the burner.
- 5. For liquid propane installations, the air shutter should be adjusted to 1/4" opening as shown at right to prevent sooting. To adjust air shutter, loosen the small securing screw and rotate air shutter to allow more or less airflow. Closing the shutter will produce a more yellow flame but may soot.



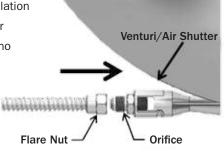
Fire Table Key Valve

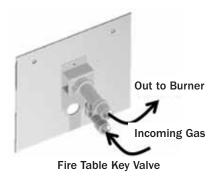
- OR -

CHECK ENTIRE SYSTEM FOR LEAKS BEFORE OPERATING.

Gas Set-Up for Natural Gas:

- 1. With the burner in place in the Homecrest Outdoor Living fire pit table or other installation location and proper sized orifice inserted in the burner neck (see chart on page 6 for natural gas orifice sizing), adjust air shutter to a closed position (as shown at right, no light visible through the shutter) by loosening the small screw on the air shutter and rotating it to a closed position and re-tightening the screw.
- 2. Locate the included metal flex-line hose and thread one end onto orifice and tighten until secure with two wrenches.
- 3. At this point you have two options for plumbing natural gas. If using a valve assembly such as the fire table key valve kit, proceed to step 3a.
 - a. Attach the free end of the flex hose to the top (outgoing) flare fitting of the control valve and tighten fully with two wrenches. Plumb incoming natural gas to the incoming side of the valve using a 3/8" flare nut. It is strongly recommended that a manual shut-off valve is placed in the natural gas line before it reaches the fire pit's control valve.





⚠ WARNING **⚠**

FOR YOUR SAFETY, READ BEFORE LIGHTING.

IF YOU DO NOT FOLLOW THESE INSTRUCTIONS EXACTLY, A FIRE OR EXPLOSION MAY RESULT CAUSING PROPERTY DAMAGE, PERSONAL INJURY AND/OR LOSS OF LIFE.

- A. This appliance can be lit with a match. When lighting, follow these instructions exactly.
- B. Before lighting, smell all around the appliance area for gas. Be sure to smell next to the base of the appliance because some gas is heavier than air and will settle on the floor.

What to Do if You Smell Gas:

- **DO NOT** try to light any appliance.
- · DO NOT touch any electric switch, DO NOT use any phone nearby.
- · Immediately call your gas supplier from a neighbors phone. Follow gas supplier's instructions.
- If you cannot reach your gas supplier, call the fire department.
- C. Use only your hand to turn the gas control knob on the propane tank (if equipped), never use tools. If the valve won't 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 the appliance if any part has been underwater. Immediately call a qualified service technician to inspect the appliance and replace any part which has been underwater.
- E. The LP gas pressure regulator provided with this appliance must be used. This regulator is set for an outlet pressure of 10.5" water column or a 20 lb tank.

LIGHTING INSTRUCTIONS

Have flame over burner, turn key counter clockwise until flame is present.

TO EXTINGUISH: TURN CONTROL VALVE TO "OFF" POSITION. CLOSE VALVE ON PROPANE TANK WHILE NOT IN USE.

Initial Break-In Procedure: When you light the appliance, you may notice that it produces heat which may have an odor. If you feel this odor is excessive it may require an initial three to four hour continuous burn on high.

⚠ WARNING **⚠**

FIRE RISK - HIGH TEMPERATURES:

- · Keep combustible household items away from the appliance.
- DO NOT obstruct combustion and ventilation air.
- **DO NOT** place combustible items on top of or near the appliance.
- · Keep furniture, draperies away from the appliance.
- · DO NOT use, lantern fuel, kerosene, charcoal lighter fluid or similar liquids in this appliance.
- · Combustible materials, flammable liquids or vapors may ignite.

symptom			POSSIBLE CAUSES	CORRECTIVE ACTIONS	
1.	Crystal Fire Will Not Light	A.	No LP gas in the tank, or Natural gas may not be turned on.	Check the LP (propane) tank. You may be out of gas, or check Natural Gas valve at main.	
		В.	Plugged burner orifice.	Check the burner orifice for stoppage. Remove stoppage.	
2.	Low Flames/ Will Not Stay Lit	Α.	Manual shut-off valve (on/off control knob) open or not installed between the LP tank and the appliance.	Close LP tank and manual shut-off valves. Open LP tank valve first, THEN the manual shut-off valve.	
3.	Blue Flames	Α.	This is a result of normal operation and flames will begin to yellow as the unit is allowed to burn for 16-20 minutes.	Do nothing.	
		В.	Improper air/fuel mixture related to the air shutter position.	Close air shutter. (For LP, leave 1/4" open, Natural gas adjust to be closed.)	
4. Metallic Noise		A.	Noise is caused by metal expanding and contracting as it heats up and cools down, similar to the sound produced by a furnace or heating duct. This noise does not affect the operation or longevity of the appliance.	Do nothing.	
5.	Decorative Glass Cracking or Splitting	A.	Heat and/or abrupt temperature changes.	This is a property of glass and may happen occasionally. Do nothing. This is completely normal.	

SERVICE & MAINTENANCE

Although the frequency of appliance servicing and maintenance will depend on the use and the type of installation, a qualified service technician should perform an appliance check-up annually. Storage of an appliance indoors is permissible only if the cylinder is disconnected and removed from the appliance.

Note: The use of a vinyl table cover is highly recommended to keep your fire pit table and burner looking new and ensuring extended trouble-free operation.

↑ WARNING **↑**

RISK OF INJURY OR PROPERTY DAMAGE. BEFORE SERVICING:

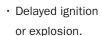
- · Turn off utilities to the appliance.
- Ensure the appliance is completely cooled.

⚠ WARNING **⚠**

ANNUAL INSPECTION BY QUALIFIED TECHNICIAN RECOMMENDED. CHECK: RISK OF:

- Obstructions of combustion and ventilation air.
- · Condition of the burner assembly.
- · Burner ignition and operation.
- · Burner air shutter adjustment.
- \cdot Gas connections and fittings.

SK OF: • Fire.





· Odors.



MAINTENANCE AND SERVICE TASKS

For service calls: Contact the dealer your product was purchased from first.

Contact Homecrest Outdoor Living at 218-631-1000 if further assistance is needed.

INSPECT		MAINTENANCE TASKS		
	1	Remove the decorative glass and examine the burner. Vacuum and wipe out as needed. Use		
		caution when cleaning these areas.		
Burner Assembly	2	Inspect for warping and corrosion. Repair as necessary.		
	3	Check the hose connecting the LP gas cylinder to ensure it is not damaged. Replace as necessary.		
	4	Verify air shutter area is clean.		
	1	Verify all gas connections are tight and leak-free.		
	2	Clean burner top, inspect for plugged ports, corrosion or deterioration. Replace burner if necessary.		
Burner Ignition	3	Inspect for flame problems.		
and Operation	4	Verify air shutter is clear of dust and debris and is in the correct position for the gas type being used.		
	5	Inspect the orifice for soot, dirt or corrosion.		
	6	Verify manifold and inlet pressures. Adjust regulator as required.		
Gas Hose and Regulator	1	The gas hose with regulator supplied with appliance must be used for LP installations. The		
das 1105e alla Regulator		replacement must be those specified by the appliance manufacturer.		

REFERENCE MATERIALS & ACCESSORIES

SERVICE PARTS LIST

#	DESCRIPTION OF PART	PART NUMBER	QTY.
1	Burner Assembly	SRV-BA-CF 20/1224 CF-12-DIY	1
2	Flex Tube	SRV-FT-CF	1
3	Orifice – NG (#31) For CF-20 (NG) and CF-1224 (NG)	NGK-CF	1
4	Orifice – LP (#43) For CF-20 and CF-1224 (LP)	LPK-43	1
5	Gas Hose with Regulator	SRV-Hose-CF	1
6	Orifice - LP (#55) For CF-12 (LP)	#55 Orifice	1
7	Orifice - NG (#49) For CF-12 (NG)	#49 Orifice	1

For more information, you can visit us online at www.homecrest.com. Or call us at: 218-631-1000

ACCESSORIES

Lazy Susans, Fire Table & Fire Bowl Covers

Note: Lazy susans can be purposed as a fire bowl cover. Be sure to specify the top or frame finish color when ordering the metal lazy susan and the color name when ordering the Stonegate lazy susans.



42" COVER
005369
H: 19"
Use Ripstop Polyester
Cover with 42" Round



42" COVER

005106 H: 19" Use Ripstop Polyester Cover with 42" Square



54" COVER 005108 H: 19" Use Ripstop Polyester Cover with 54" Round



32" x 52" COVER

006139 H: 19" Use Ripstop Polyester Cover with 32" x 52" Rectangle



36" x 60" COVER

006138 H: 19" Use Ripstop Polyester Cover with 36" x 60" Rectangle



12.25" BURNER COVER 91007 Smooth Aluminum



22" BURNER COVER 91004 Smooth Aluminum



14" x 26.25" BURNER COVER

91006 Smooth Aluminum



91003 H: 1.125" Smooth Aluminum



91005 H: 1.5" Stonegate Pebble



91005 H: 1.5" Stonegate Boulder



24" LAZY SUSAN 91005 H: 1.5" Stonegate Midnight

Glass Guards



14.5" GLASS GUARD 006840 H: 6" Use in windy conditions



22.5" GLASS GUARD 005561 H: 6.75" Use in windy conditions



15.5" x 28.5" GLASS GUARD 006086 H: 5.8" Use in windy conditions

Regulator Kit



1 LB HOSE & REGULATOR KIT 005598
Use for in-store demonstrations

LP Tank



HORIZONTAL LP TANK 005269 - 20 lbs Use with all 19" height fire pits, sold separately

MADE IN THE USA

With its made-in-America quality and comfort, its design, innovation and incomparable styling, fabric and finish options, Homecrest outdoor furniture is proud to be an iconic American brand that continues to be designed, engineered and manufactured right here in the USA.



Need help visualizing your Homecrest furniture? Visit the Interactive Design Center at **design.homecrest.com** to create the look that fits your style!

Colors are representations. Please refer to an actual sample.



www.homecrest.com