

DreamCast

design and production

Match Lit Firepit | Installation Manual

STANDARDS:
CSA 2.41-2017, ANSI Z21.97-2017
CERTIFIED FOR USA & CANADA

OUTDOOR DECORATIVE
GAS APPLIANCES



We recommend that our fire pits
be installed and serviced by
professionals that are certified in the
U.S. by NFI
(National Fireplace Institute)

⚠ WARNING: If the information in this manual is not followed exactly, a fire or explosion may result causing property damage, personal injury, or loss of life.

⚠ DANGER
FIRE OR EXPLOSION HAZARD

If you smell gas:

- Shut off gas to the appliance.
- Extinguish any open flame.
- If odor continues, leave the area immediately.
- After leaving the area, call your gas supplier or fire department.

Failure to follow these instructions could result in fire or explosion, which could cause property damage, personal injury, or death.

⚠ WARNING: For Outdoor Use Only.

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

INSTALLER: Leave this manual with the appliance.
CONSUMER: Retain this manual for future reference.

⚠ DANGER

CARBON MONOXIDE HAZARD

This appliance can produce carbon monoxide which has no odor.

Using it in an enclosed space can kill you.

Never use this appliance in an enclosed space such as a camper, tent, car or home.



⚠ WARNING

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

⚠ WARNING

Do not store or use other flammable vapors and liquids in the vicinity of this or any other appliance. An LP-cylinder not connected for use shall not be stored in the vicinity of this or any other appliance.

The installer is responsible for using the correct fuel line sizing and/or regulation to provide gas within the specified minimum and maximum gas inlet pressures of the fire feature.

General Information

This Owner's Guide and Instruction Manual contains critical information for the safe installation and operation of your DreamCast fire feature. You must read this manual in its entirety prior to installation and/or operation.

Failure to follow these instructions may result in property damage, personal injury, or death.

IMPORTANT: This appliance should be inspected before use and at least once annually by a qualified service person. More frequent cleaning may be required as necessary. It is imperative that the control compartment, burners and circulating air passageways of the appliance be kept clean. If it is evident that the burner is damaged it must be replaced prior to the appliance resuming operation. Contact DreamCast for a replacement.

DANGER: Carbon monoxide poisoning can lead to death!

CARBON MONOXIDE POISONING:

Early signs of carbon monoxide poisoning resemble the flu, with symptoms including headache, dizziness, or nausea. If you experience these signs, the Fire Pit may not be working properly. Get fresh air at once! Have the Fire Pit serviced. Some people are more affected by carbon monoxide than others, including pregnant women, people with heart or lung disease or anemia, those under the influence of alcohol, and those at high altitudes.

NATURAL GAS AND PROPANE:

To assist in detecting leaks, an odorant has been added to natural gas and propane. However, this odorant can fade, and gas may be present even though no odor exists.

WARRANTY REQUIREMENT:

When not in use, appliance must be covered at all times. Failure to cover the fire feature will void the warranty.

WARNING: Any modification to this appliance or its controls can be dangerous.

1. This appliance, as supplied, is only for use with the type of gas indicated on the rating plate.
2. When this appliance is connected to a fixed piping system, the installation must conform with local codes or, in the absence of local codes, with the National Fuel Gas Code, ANSI Z223.1/NFPA 54; National Fuel Gas Code, National Gas and Propane Installation Code, CSA B149.1; or Propane Storage and Handling Code, CSA B149.2 as applicable.
3. Keep the appliance area clear and free from combustible materials, gasoline and other flammable vapors and liquids
4. Do not burn solid fuel in this appliance. Do not use this appliance to cook food or to burn paper or other objects.
5. Children and adults should be alerted to the hazards of high surface temperatures and should stay away to avoid burns or clothing ignition.
6. Clothing or other flammable materials should not be hung from the appliance, or placed on or near the appliance.
7. Young children should be carefully supervised when they are in the area of the appliance.
8. Do not use the 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.
9. Inspect the appliance before each use. If your firepit uses a hose inspect the hose before each use. If there is evidence of excessive abrasion or wear, or if the hose is damaged it must be replaced. Contact Dreamcast for a replacement.

WARNING: DO NOT USE OXYGEN MIXERS WITH YOUR DREAMCAST APPLIANCE. Mixers may create leakage in the cavity of the pit and could cause fire or explosion which could cause property damage, personal injury, or death.

Turn the appliance off and let cool before servicing, installing, repairing or covering. Any guard or other protective device removed for servicing the appliance must be replaced prior to operating the appliance. Only a qualified service person should install, service, or repair the appliance.

HIGH ALTITUDE INSTALLATION

Gas fireplaces are tested and approved for elevations from 0 to 4,500 feet in Canada and U.S.A. When installing this fireplace at an elevation above 4,500 feet (in Canada), check with local authorities. Consult your local gas utility for assistance in determining the proper orifice for your location.

LOCAL CODES

Install and use your Outdoor Fire Pit with care. Follow local codes. In the absence of local codes, use the latest edition of The National Fuel Gas Code ANSI Z223.1/NFPA 54 available from:

American National Standards Institute Inc.
1430 Broadway New York NY 10018
National Fire Protection Association, Inc.
Batterymarch Park Quincy MA 02269.

DreamCast is not responsible for damage due to improperly installed or operated units. Instructions are updated as needed, and it is the installer or owners' responsibility to periodically review DreamCast's website for applicable updates (www.dreamcastdesign.com.)

Please keep this manual with your important papers.

Positioning Gas Supply

See following page of this manual for Gas Installation Requirements

All Round Fire Bowls have a 2" Dia opening in the base through which you can bring a gas or propane line. Side openings are also present at 1.5" Dia.

Refer to the diagram for your relevant model.

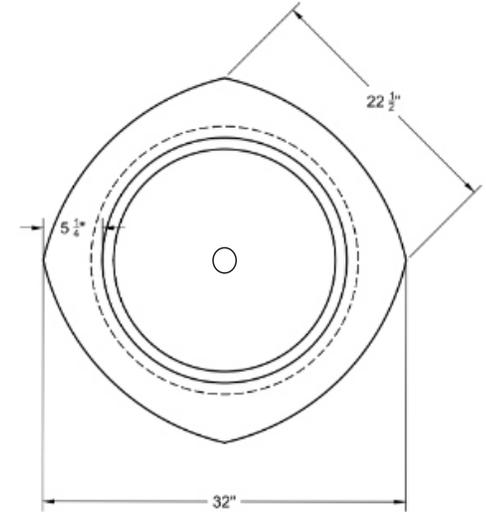
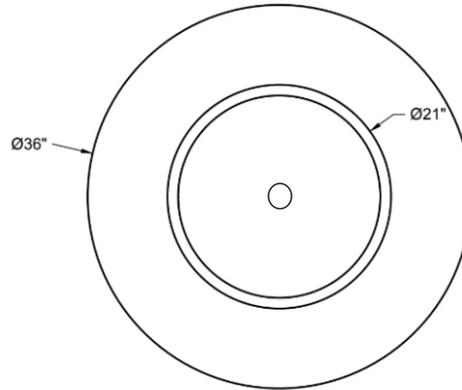
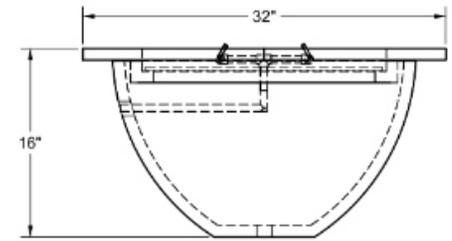
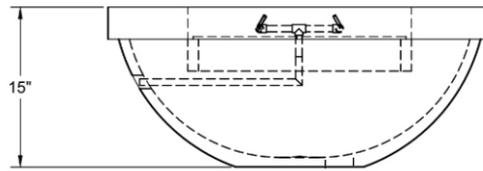
See Fig. 1.

Please make sure that the gas line is located only within this area. This will ensure that the final position of the unit will not be compromised.

We recommend that gas risers be kept as low to grade as possible and no higher than 6" at their highest points.

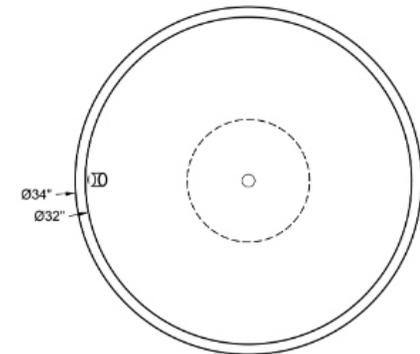
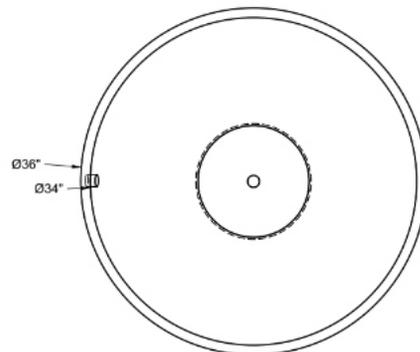
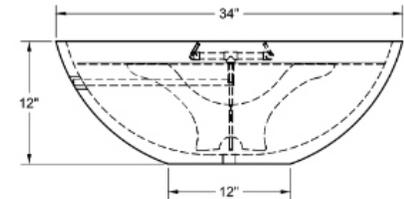
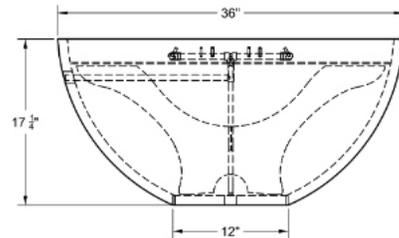
ATTENTION:

Gas line must be installed by a licensed contractor in compliance with local codes.



Aura

Lotus 32



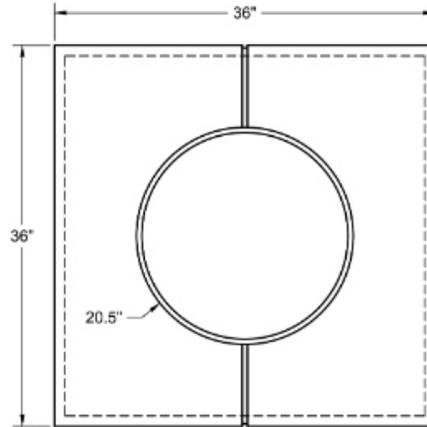
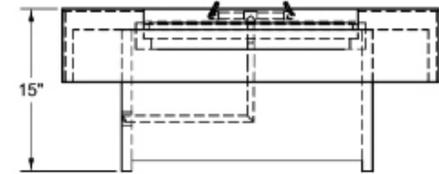
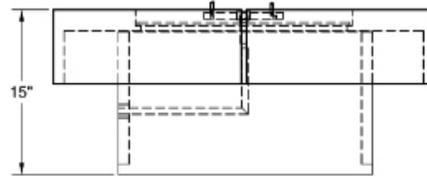
Zen 36

Zen 34

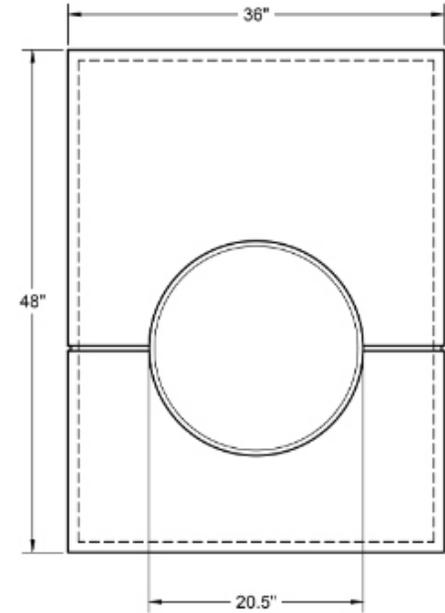
Gas Positioning ctd.

All square/rectangular firepits have a hollow base.

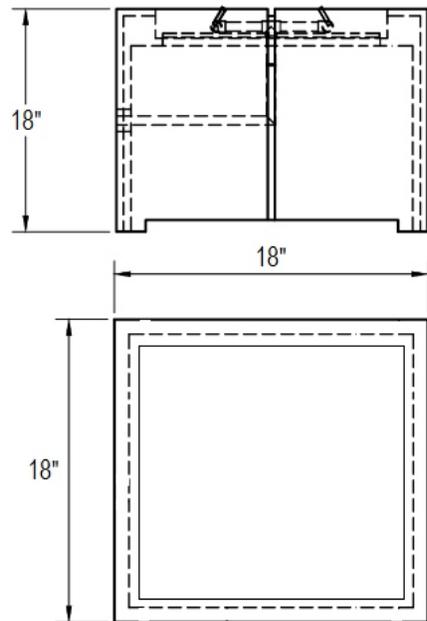
Gas supply can come up within the footprint of this hollow base. Side slots are inherent on 2 sides to allow for sideways access.



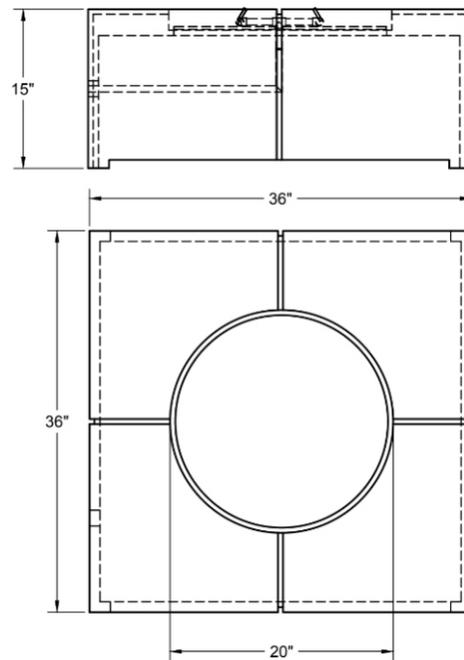
Element



Libra



Cubo



Bloq

Your DreamCast Concrete Firepit

This Owner's Guide and Instruction Manual contains critical information for the safe installation operation and maintenance of your DreamCast fire feature. You must read this manual in its entirety prior to installation and/or operation.

UNBOXING

Upon receiving your DreamCast Firepit, take care to check all parts have been received according to the included packing slip.

ATTENTION: Fragile! Concrete may chip or scratch if collided with other hard materials such as stone, metal, or other concrete.

HANDLE WITH CARE!

Remove the concrete parts from the crate, unwrap and place them on a soft surface. Take care when handling concrete parts as concrete is brittle and can chip or flake if struck. Inspect all parts for shipping damage. Any shipping damage must be reported immediately. We allow for 48 hours after receipt for any shipping damage to be claimed under warranty. Please contact DreamCast Design if you are missing any parts.

SET-UP

Before placing your DreamCast Firepit, check that the desired location meets all clearances to combustibles listed in the Fire Pit Clearances Diagram. Ensure that the final location for the fire pit is as flat and level as possible. Make sure to provide adequate drainage beneath the opening in the base of the fire pit body.

Carefully lift the fire pit or fire pit base and place it in its final position. If there is a gas riser, fire pit should be placed so that the stub is enclosed within the fire pit.

If the fire pit does not sit level, shim appropriately so that it is level and evenly supported. If the fire pit has a top section, carefully lift and place it on top of its base. Check that the top section is level and stable. If it does not sit level or is unstable, shim as required with provided rubber shims. Follow the instructions to connect the burner assembly, test for gas leaks, and place decorative burner media.

CONCRETE CARE

Your new DreamCast fire pit is factory sealed to resist staining and discoloration. However, care should be taken to maintain the premium concrete finish.

Concrete is a very porous material and may stain from certain substances left on the surface. Things that may stain if not removed include red wine, acidic juices, oils and waxes, tree sap and other organic material. Additionally, water trapped under an object for an extended period can leave a watermark.

We strongly recommend covering your firepit with a breathable, weather resistant cover when not in use.

MAINTENANCE

Your concrete fire pit can be cleaned with a soft cloth and mild soap to remove dirt and scuffs.

The surface can be periodically cleaned and refreshed with our DreamCast Refresh Sealer. Please contact us for more information and to order Refresh Sealer.

Scratches and chips can be repaired with our patch kit, though any repairs made to concrete will be visible.

CAUTION - HEAVY

Use care when lifting and placing to avoid injury and damage to property and the fire pit itself.

Fire pits will require 2 or more people to lift.

Minimum and Maximum Gas Inlet Pressures

The installer is responsible for using the correct fuel lines and/or regulation to provide gas to the fire feature within the specified minimum and maximum gas inlet pressures below:

Gas Inlet Pressures

MATCH LIGHT	Minimum	Maximum
Natural Gas	3.5" W.C. (.8718 Kpa)	7.0" W.C. (1.7436 Kpa)
Liquid Propane	11.0" W.C. (2.7399 Kpa)	13.0" W.C. (3.2381 Kpa)

CODE REQUIREMENTS

It is the responsibility of the installer to consult with the local municipality and to FOLLOW ALL LOCAL CODES concerning the installation and operation of the fire feature.

Location Considerations

All appliances are designed and intended for outdoor use only.

All appliances must have a gas shutoff located outside of the appliance to allow for emergency shutoff and maintenance. Select a location where the appliance can be attended during operation. Never leave an operating appliance unattended or by someone not familiar with its operation or emergency shutoff locations.

Appliances may create very high temperatures - combustibles must be located far enough away that there is no risk of ignition.

IMPORTANT: It is recommended that material such as granite, marble or other dense stone be kept an appropriate distance away from flame due to risk of cracking. Manufacturer is not responsible for damage to any enclosure material for any reason.

FIRE PIT CLEARANCES

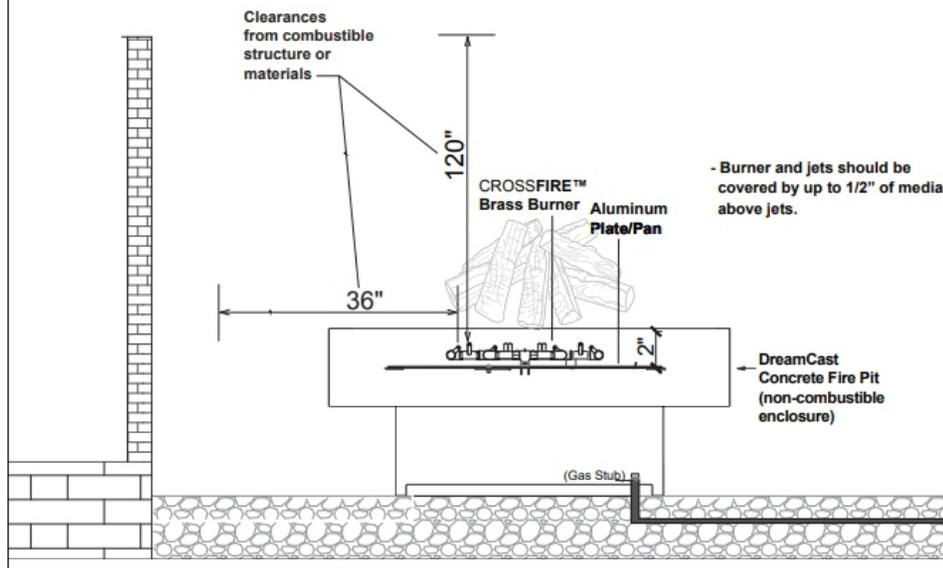
- Horizontal 36" from any combustible structure or materials.
- Overhead 120" minimum clearance from combustible structures or materials.
- Choose a location that allows easy access for installation and maintenance of the fire feature.
- Pick a location that allows sufficient horizontal room to enjoy the appliance while allowing a safe distance from the heat and flame.
- Always consult with local municipality regarding any local code requirements.
- See Clearance Diagram on following page

The fire pit must be placed on a stable surface and must be level.

Firepit Clearance Diagram

36" Horizontal to combustibles

120" Overhead to combustibles



GENERAL INSTALLATION INSTRUCTIONS

Use only joint compound, thread sealant, or tape specific to gas use that is resistant to all gases. Apply joint compound, thread sealant or tape to all male pipe fittings only and **DO NOT USE ON FLARED END OF FLARED FITTINGS**. Be sure to tighten every joint securely. If you are lighting manually be sure to maintain a minimum safe distance to avoid property damage, personal injury, or death. Please refer to match lit instructions:

1. Verify gas supply matches burner type.
2. Verify gas inlet pressure is within the specified minimum and maximum pressures. Consult Gas Inlet Pressures on previous page.
3. Purge gas lines of air, water and debris.
4. Perform all leak tests with leak detector or leak reactant on main gas supply and repair leaks as necessary. Turn off gas supply.

5. For models that include electronic ignitions, be sure to have a qualified electrician install proper power supply following all local codes.

6. Inspect flex line(s) for punctures or breaks in line(s).

7. Make sure the key turns in the key valve before installing. Use only your hand to turn the gas key valve. Never use tools. If the key valve will not turn by hand, don't try to repair it. Force or attempted repair may cause a fire or explosion.

8. Refer to Connection Diagrams for applicable gas connections.

9. Position burner safely with access to all gas connections for testing. Position burner to allow sufficient clearance from the fire pit to avoid damage.

10. Turn on gas supply to perform repeat leak tests on main gas supply and all connections to appliance and repair as needed.

11. Do not use appliance if there is evidence of leaking gas. If leak is suspected, turn off main gas supply immediately. For appliances for use with a fixed fuel piping system and equipped with an appliance gas pressure regulator, the appliance and its individual shutoff valve must be disconnected from the gas supply piping system during any pressure testing of that system at test pressure in excess of 1/2 psi (3.5kPa). The appliance must be isolated from the gas supply piping system by closing its individual manual shutoff 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).

12. Ignite burner. See applicable ignition instructions within Operating Instructions, page 20.

13. Once appliance is lit, perform leak test on all gas connections and repair as needed.

14. Turn off appliance and allow to cool.

GENERAL INSTALLATION INSTRUCTIONS Ctd.

15. DreamCast Fire Pit must be installed on a stable surface. Fire pit must be properly assembled, level, and stable. The weight of the burner and media must be supported by the aluminum support plate and not by any control box or gas valve. Control boxes and gas valves must be above grade with adequate drainage to prevent water damage. Installer is responsible for making sure there is enough space in the cavity for any electronics and piping.

The lower cavity of the enclosure cannot be filled with any material (i.e. gravel, crushed rock, concrete, etc). The fire pit burner assembly should be recessed from the top of the enclosure to protect flame from excessive wind and to allow coverage of burner. **See Clearances Diagram on previous page.** To allow for regular maintenance, nothing should be attached to the firepit that would prevent removal of the support pan and burner assembly.

16. Venting is required to avoid heat damage to internal components and to allow airflow in case of gas pooling. Do not block the integral vents in your DreamCast Firepit with any material.

17. Only use fire rated media approved for use with high temperatures that have been manufactured for specific use in fire features. Never use any material for media that is nonporous and holds moisture such as gravel, pebbles, river rock, etc. Such material, when heated, may cause the trapped moisture to boil, fracture unexpectedly and/or explode and which could cause personal injury, damage or death.

18. To avoid dust and clogs getting into the system, do not dump the media over the burner. Place the media onto the plate or pan. **Burner should be covered by approved media up to 1/2" above the jets. Media may be positioned so that jet tips or barrels are visible. Excessive media coverage may cause back pressure and dangerous pooling of gas which can result in explosion which could cause property damage, personal injury, or death.**

19. Do not cover the ignition pilot assembly or wind cage more than halfway with any form of media.

20. Complete final verification of correct operation and lighting.

21. Review instruction manual with end user and instruct end user not to change/modify fire pit or media in any way that may affect pilot assembly or wind cage.

 **WARNING:** Do not store or use gasoline, or other flammable vapors and liquids, in the vicinity of this or any other appliances.

An LP-cylinder not connected for use shall not be stored in the vicinity of this or any other appliance.

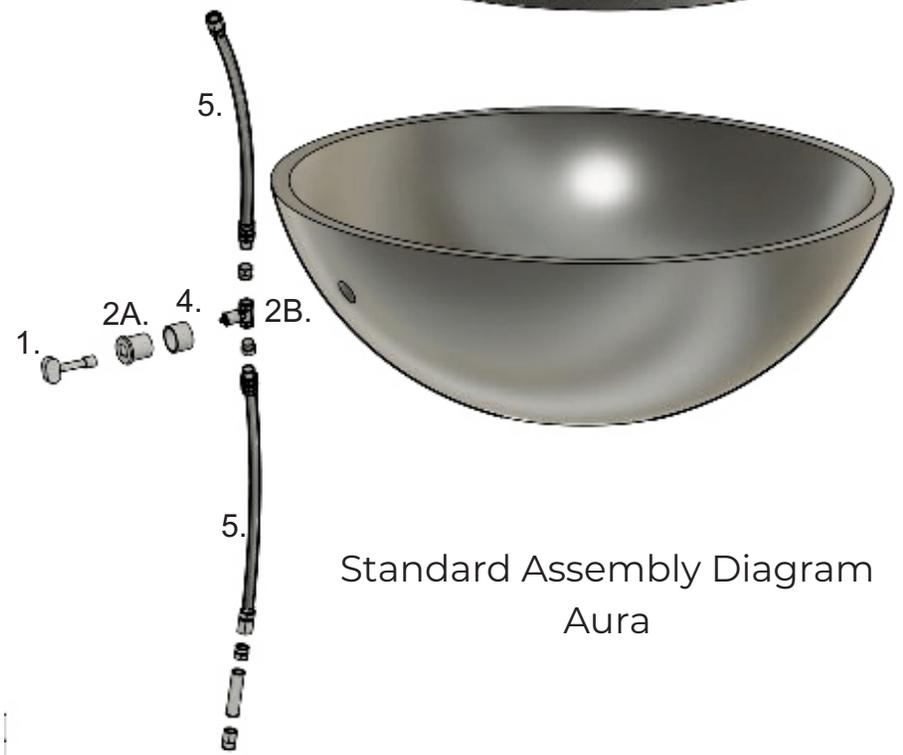
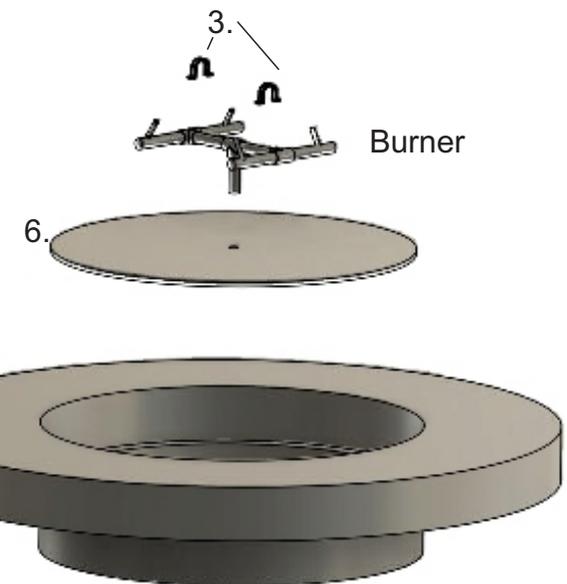
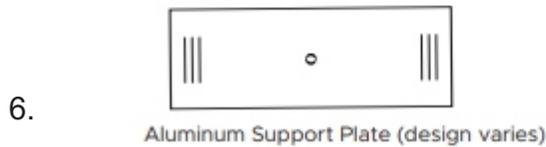
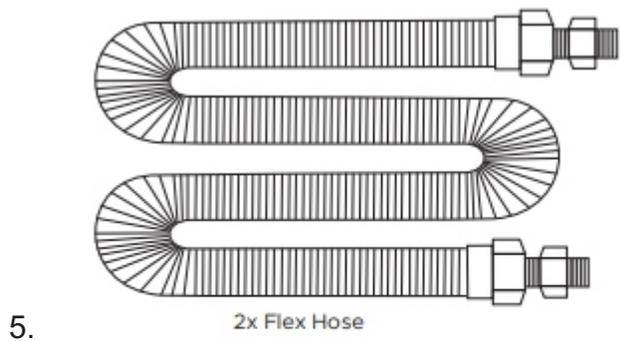
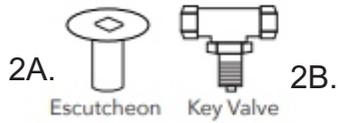
 **WARNING:** Improper installation, adjustment alteration, service or maintenance can cause property damage, personal injury or loss of life. Refer to the owner's information manual provided with this appliance. Installation and service must be performed by a qualified installer, service agency, or the gas supplier.

Connection Diagram - Leave with End User

MATCH LIT SYSTEM CONNECTION DIAGRAMS

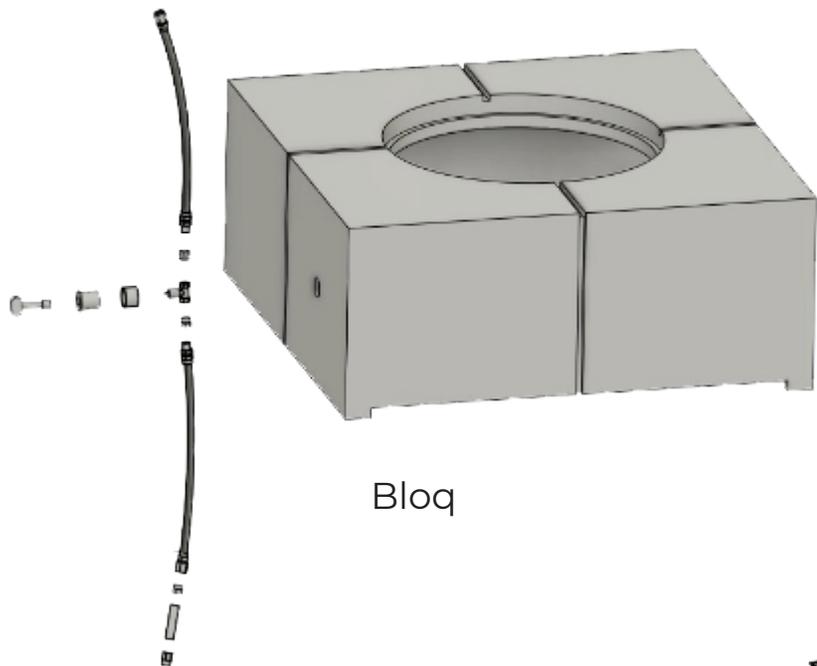
1. Locate Parts

Parts include 2x Flex Hose, key valve & escutcheon, key(s), ABS Bushing, EMT straps & screws, aluminum support plate

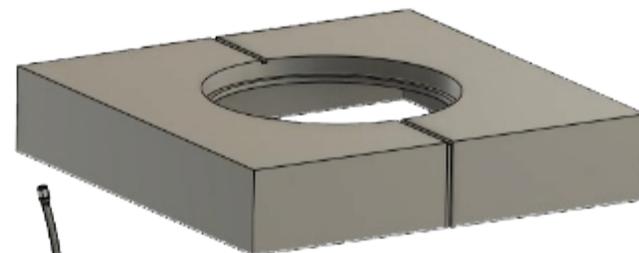


Standard Assembly Diagrams

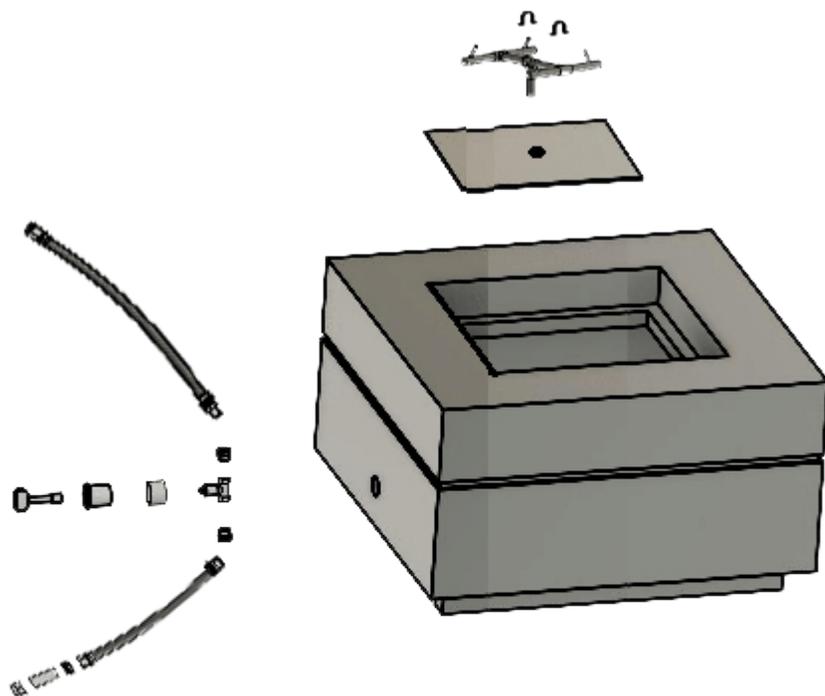
Refer to page 9 for parts list



Bloq



Libra/Element



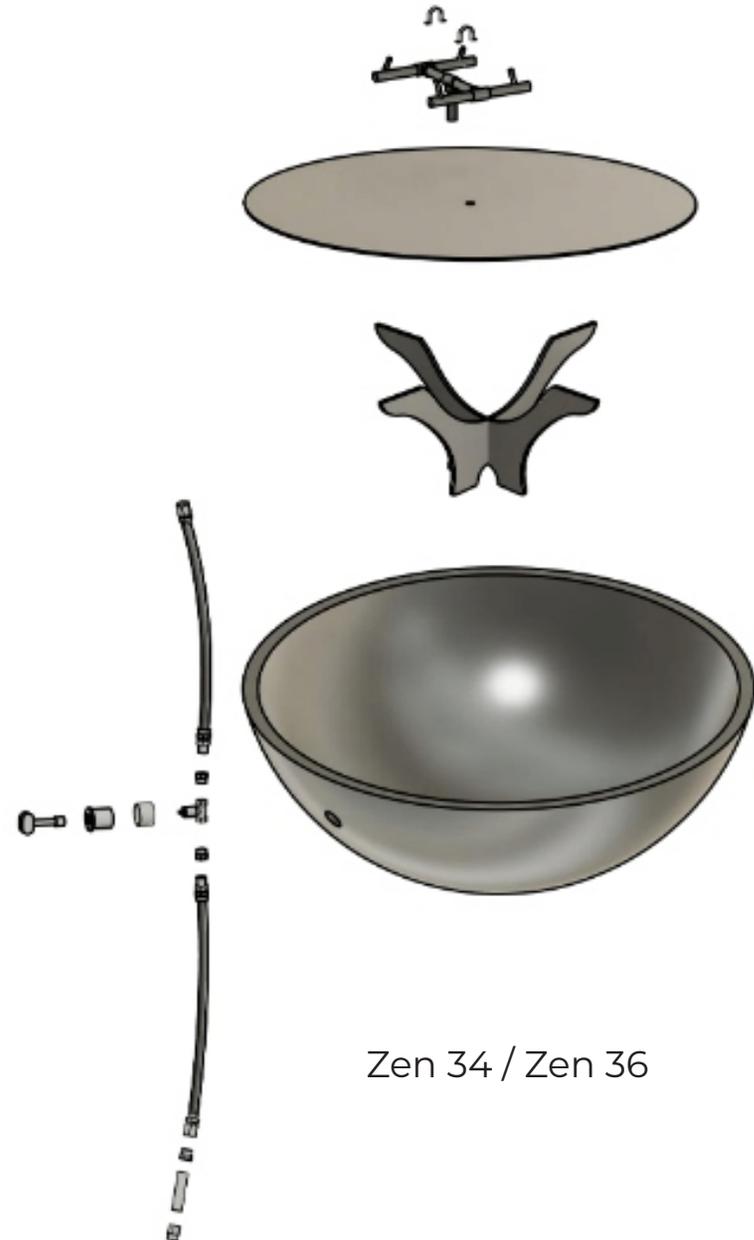
Cubo

Standard Assembly Diagrams

Refer to page 9 for parts list



Lotus 32



Zen 34 / Zen 36

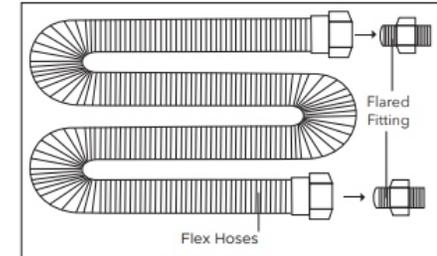
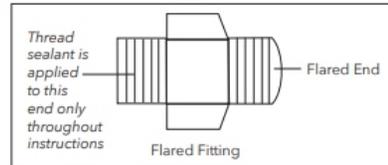
Connection Diagram Ctd.

2. Remove flared fittings from flex hoses

Removing flared fittings first makes installation easier

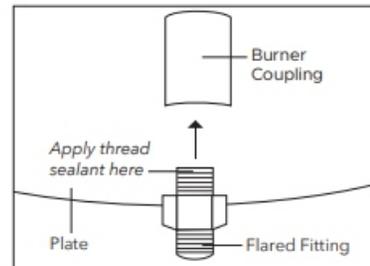
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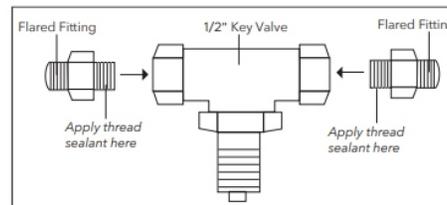
3. Connect to Burner Coupling

Pass one of your flared fittings removed in Step 2 through the Support Plate and connect to the coupling of the burner unit



4. Connect Flared Fittings to Key Valve

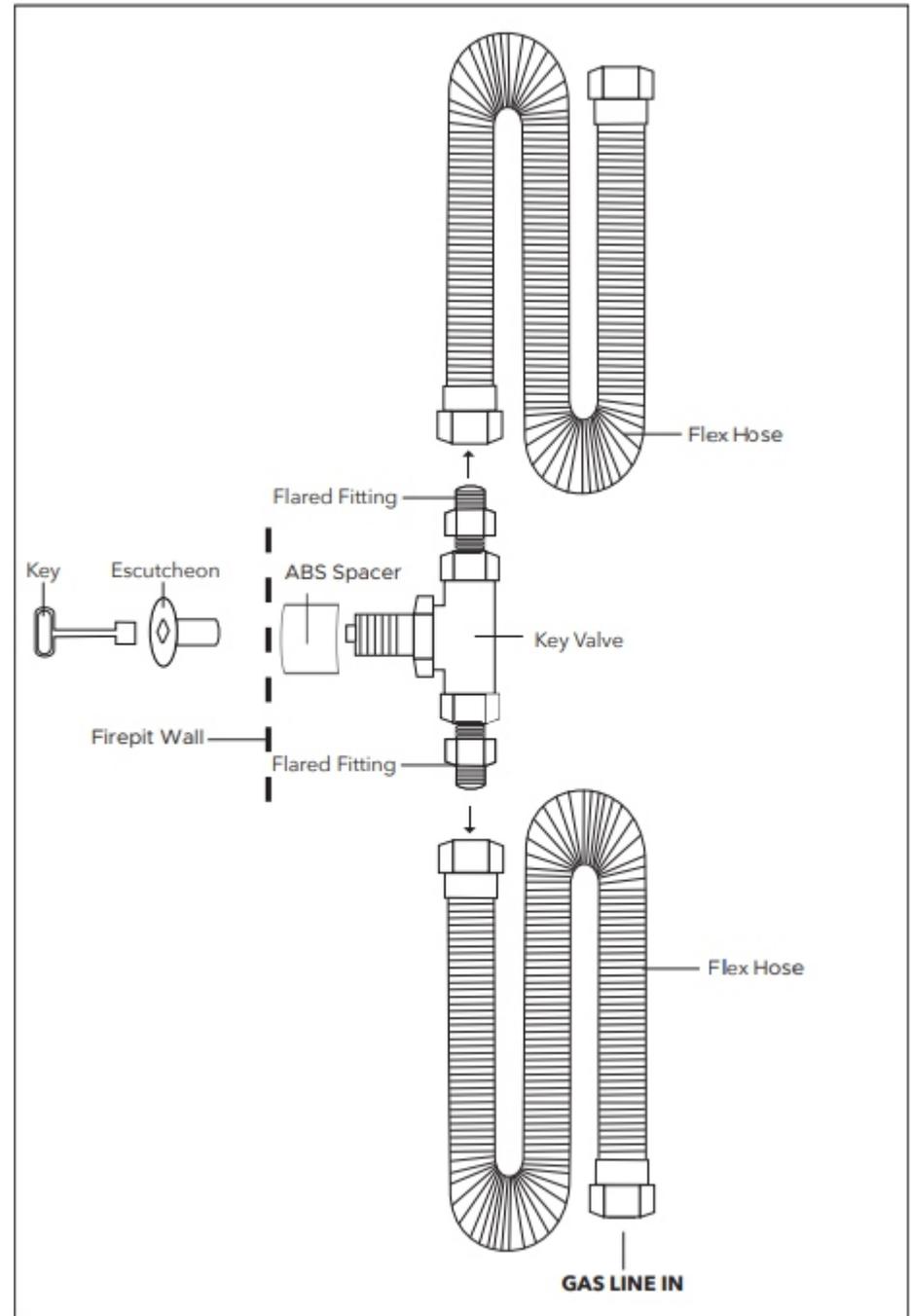
Locate two of the flared fittings removed in Step 2 and connect into the Key Valve, placing the non-flared ends into the key valve. Tighten.



Connection Diagram Ctd.

5. Connect Flex Hose with Key Valve

Connect the two Flex Hoses to the Flared Fittings that are now connected to the Key Valve. One flex hose will be connected to your gas supply



6. Attach Key Valve to Fire Pit Wall

Place the ABS Spacer on the threaded end of the Key Valve. Pass the threaded end of the Key Valve through the pre-drilled hole in the firepit wall, and screw on the Escutcheon. Do not use tools to tighten the Escutcheon.

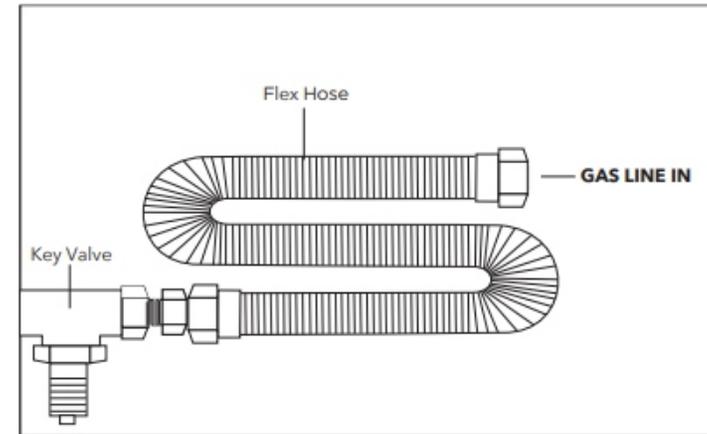
Connection Diagram Ctd.

7. Connect Gas Line

For connecting to a portable propane tank proceed to 7B.

Before connecting to a gas line, ensure your firepit burner is rated for natural gas or liquid propane as required.

Connect one flex hose to your gas line using the appropriate fittings for your site arrangement



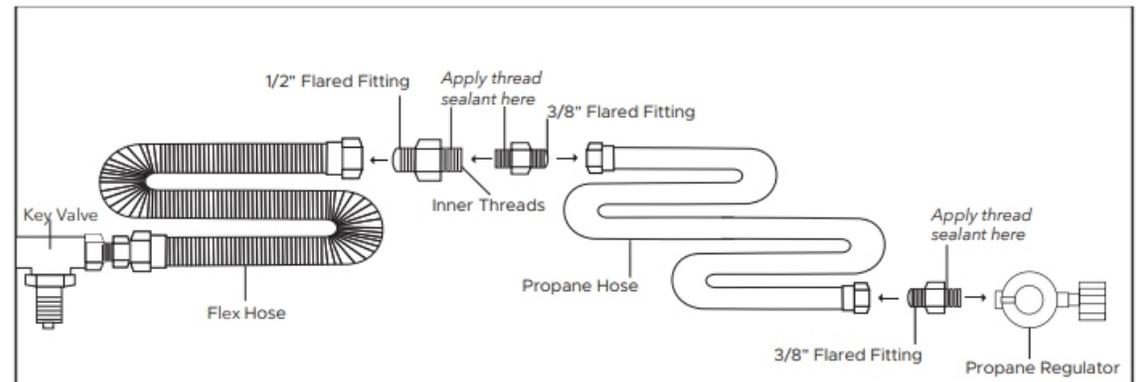
7B. Connect to a Portable Propane Tank Regulator

Before connecting to a propane tank, ensure your firepit burner is rated for liquid propane

1) Locate the two 3/8" flared fittings and the remaining 1/2" flared fittings removed in step 2. Connect one of the 3/8" flared fittings to the inner threads of the 1/2" flared fitting.

ii) Connect the second 3/8" flared fitting to the propane regulator.

iii) Connect the 1/2" flared fitting to the flex hose, and connect the 3/8" flared fittings to the propane hose.

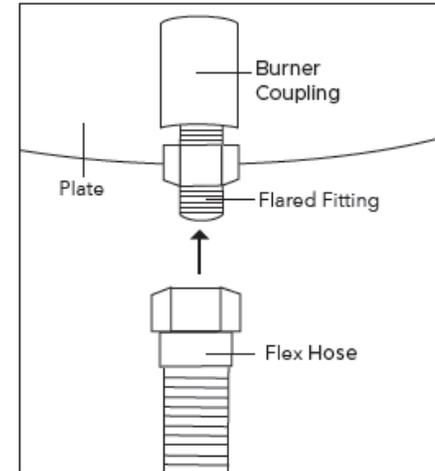


See Pages 16 & 17 for details for LP Connections.

Connection Diagram Ctd.

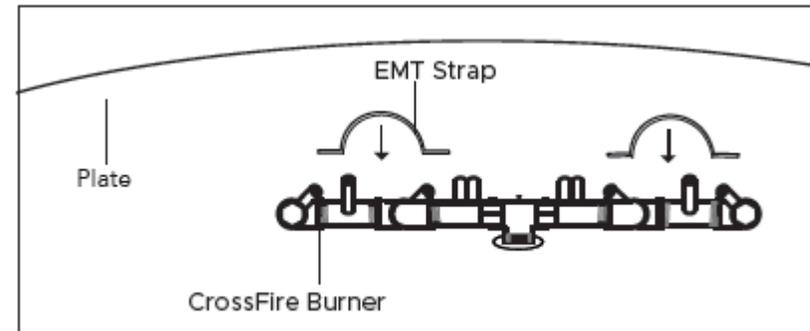
8. Connect Flex Hose to Burner

Connect the remaining Flex Hose and Flared Fitting attached to the Crossfire Burner in Step 3.



9. Secure Burner to Aluminum Support Plate

Using the supplied EMT Straps & Screws, secure the Burner to the Support Plate through the pre-drilled holes.



Proceed to page 18 for Media Installation and Operating instruction



Image shows properly installed burner

Connection Diagram Ctd. - Propane Models

LP-GAS MODELS:

1. Make sure tank valve is in its full off position. (Turn clockwise to stop).
2. Check tank valve features to ensure it has proper external mating threads. (Tank Valve Marked: USE WITH TYPE 1)
3. Inspect hose shipped with the unit for damage. Never attempt to use damaged or plugged equipment. See your local LP Gas Dealer for repairs.
4. After inspecting the LP hose shipped with the unit, follow steps described on page 12 - 14.

NOTE: Fuel Supply line must not come into contact with surfaces having temperatures in excess of 140°F. LP gas cylinder must be kept a minimum of 4.5 feet from the appliance. You must use an approved LP cylinder retention device (See photo for example).

5. When connecting regulator assembly to the tank valve, hand tighten nut clockwise to a positive stop. **DO NOT use a wrench to tighten.** Use of a wrench may damage quick closing coupling nut and result in a hazardous condition.

6. Locate the hose out of pathways where people may trip over it or in areas where the hose may be subject to accidental damage.

7. Open tank valve fully (counter-clockwise). Turn the on/off valve at the unit slowly to the on position and use a soapy water solution to check all connections for leaks before attempting to light the appliance. If a leak is found, turn tank valve off and do not use the appliance until repairs can be made by a local LP Gas Dealer. **DO NOT attempt to make repairs yourself.**

8. Never attempt to use this appliance or any components that have been damaged or exposed to an accidental fire.

WARNING

DO NOT LEAVE FIRE PIT UNATTENDED WHEN IN USE

Be certain to mount or set the LP-gas cylinder on a flat stable surface and retain it to prevent it from tipping.

Purge the gas supply line of any trapped air prior to the first firing of the unit.

WARNING: During the initial purging and subsequent lightings, NEVER allow gas valve to remain in "OPEN" position without first placing a burning match on the top of the burner.

Test fire the unit after referring to the SAFETY INFORMATION and LIGHTING INSTRUCTIONS.

Tip:

If LP-Gas outdoor firepits are used continuously after a couple of hours, you could see the possibility of the flame decreasing in size. If this happens, turn off the control valve and the tank valve and wait a couple of hours before lighting again or switch propane tanks. The propane tank is freezing up due to the volume of gas being taken out of the tank.

CHECKING GAS CONNECTION

 **WARNING:** Test all gas piping and connections for leaks after installing or servicing. Correct all leaks immediately.

 **WARNING:** Never use an open flame to check for a leak. Apply a mixture of liquid soap and water to all joints. Bubbles forming on joints while the gas is running indicate a leak. Correct all leaks immediately.

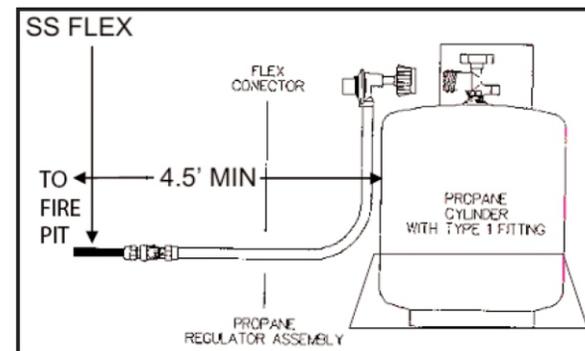


Photo shows an example of an LP retention device

Connection Diagram Ctd. - Propane Models

The LP gas supply cylinder used with LP models must be :

- i: Constructed and marked in accordance with the US Department of Transportation (D.O.T.) Specifications for LP-Gas Cylinders or the Standard for Cylinders, Spheres and Tubes for Transportation of Dangerous Goods and Commission, CAN/CSA-B339, as applicable.
- ii. Provided with a listed overfilling prevention device, and
- iii. Provided with a cylinder connection device compatible with the connection for the appliance

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.

Be sure to use only 1 20 lb (9.1 kg) LP gas cylinder with a Type 1 valve with this appliance as required by the American National Standards Institute (ANSI) and the Canadian Standards Steering Committee.

The LP gas cylinder supply system must be arranged for vapor withdraws.

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.

Fuel Supply line must not come into contact with surfaces having temperatures in excess of 140°F. LP gas cylinder must be kept a minimum of 4.5 feet from the appliance.

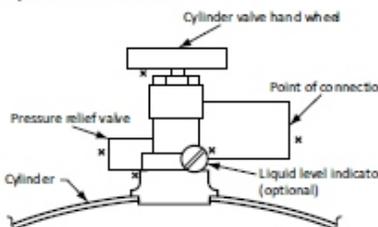
The cylinder must be prevented from tipping over by the of an approved LP cylinder retention device (See Pg. 16 for an example).

Locate the hose out of pathways where people may trip over it or in areas where the hose may be subject to accidental damage.

**⚠ DANGER • FLAMMABLE GAS UNDER PRESSURE.
LEAKING LP-GAS MAY CAUSE A FIRE OR EXPLOSION IF IGNITED
CAUSING SERIOUS BODILY INJURY OR DEATH.
CONTACT LP GAS SUPPLIER FOR REPAIRS, OR DISPOSAL OF THIS
CYLINDER OR UNUSED LP-GAS.**

**⚠ WARNING • FOR OUTDOOR USE ONLY.*
DO NOT USE OR STORE CYLINDER IN A BUILDING,
GARAGE OR ENCLOSED AREA.**

<p>⚠ WARNING:</p> <ul style="list-style-type: none">• Know the odor of LP-gas. If you hear, see or smell leaking LP-gas, immediately get everyone away from the cylinder and call the Fire Department. Do not attempt repairs.• Caution your LP-gas supplier to:<ul style="list-style-type: none">Be certain cylinder is purged of trapped air prior to first filling.Be certain not to over fill the cylinder.Be certain cylinder requalification date is checked.• LP-gas is heavier than air and may settle in low places while dissipating.• Contact with the liquid contents of cylinder will cause freeze burns to the skin.• Do not allow children to tamper or play with cylinder.• When not connected for use, keep cylinder valve turned off. Self contained appliances shall be limited to a cylinder of 30 lb capacity or less.• Do not use, store or transport cylinder where it would be exposed to high temperatures. Relief valve may open allowing a large amount of flammable gas to escape.• When transporting, keep cylinder secured in an upright position with cylinder valve turned off.	<p>WHEN CONNECTING FOR USE:</p> <ul style="list-style-type: none">• Use only in compliance with applicable codes.• Read and follow manufacturer's instructions.• Consult manufacturer's instructions concerning the cylinder connection provided with your appliance.• Be sure regulator vent is not pointing up.• Turn off all valves on the appliance.• Do not check for gas leaks with a match or open flame. Apply soapy water at areas marked "X". Open cylinder valve. If bubble appears, close valve and have LP-gas service person make needed repairs. Also, check appliance valves and connections to make sure they do not leak before lighting appliance.• Light appliance(s) following manufacturer's instructions.• When appliance is not in use, keep the cylinder valve closed.
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**DO NOT REMOVE, DEFACE, OR OBLITERATE THIS LABEL
*EXCEPT AS AUTHORIZED BY ANSI/NFPA 58.**

⚠ DANGER. Do not store a spare LP cylinder under or near a barbecue grill, or other heat sources. NEVER fill an LP cylinder beyond 80% full: a fire causing death or serious injury may occur.

Media Installation

Only use approved decorative media that have been manufactured for specific use in fire features.

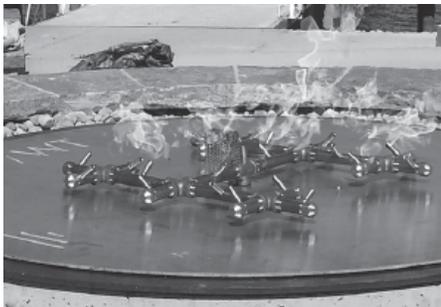
Media must be 1/2" or larger in size to prevent media from falling into gas orifices and blocking flow of gas out of jets. Use approved media only. To avoid dust and clogs getting into the system, do not dump the media over the burner.

Place the media onto the plate or pan.

Burner should be covered by approved media up to 1/2" above the jets. Media may be positioned so that jet tips or barrels are visible.

⚠ WARNING: Covering jets by more than 1/2" of media may create back pressure and gasleakage resulting in pooling of gas under the fire feature which can result in explosion which could cause property damage, personal injury, or death.

Also note that flame pattern will be affected by any media coverage over gas orifice jets up to and including smothering of flames. The appliance is designed to use approved media that is correctly installed over the burner to achieve proper combustion. Use of any media outside of the approved media may void warranty and affect proper operations.



Properly installed burner ready for media

Fuel Supply line must not come into contact with surfaces having temperatures in excess of 140°F. LP gas cylinder must be kept a minimum of 4.5 feet from the appliance.

The cylinder must be prevented from tipping over by the use of an approved LP cylinder retention device (See Pg. 16 for an example).

Locate the hose out of pathways where people may trip over it or in areas where the hose may be subject to accidental damage.



DO NOT DUMP MEDIA ON THE JETS. *Apply media by pouring media around burner first*, then pushing media towards the gas jet orifices making sure media does not fall into the gas jet orifices. Check each gas jet orifice prior to lighting to be sure no media has fallen into gas jet orifices.

CAUTION:

When lava rock is new or contains moisture, operating firebowl may cause it to pop and cause small particles to fly. When igniting the fire pit for the first time, or after lava has become damp, it may take several minutes for the lava to dry out and cease popping

Operating Instructions

⚠ WARNING: Failure to follow these instructions could result in fire or explosion, which could cause property damage, personal injury or death.

Keep the area clear and free from combustible materials, gasoline, and other flammable vapors and liquids. Solid fuels shall not be burned in the fire pit. Leaves, sticks, wood, paper, clothing, food material, should be kept away from the fire pit. Make sure that there is no vegetation or other objects over the top or sides of the fire pit that could interfere with safe operation. If there are any questions as to clearances, refer to **CLEARANCES DIAGRAM** in your Installation Manual for specific clearance allowances.

Wind and gusty conditions may cause the flame to behave in an unpredictable manner. If conditions exist, turn off the fire feature.

All media has the potential of thermal spalling. This process may occur when media is wet and moisture gets trapped inside of the material due to rapid temperature differences. When this happens the media has the potential to crack or pop outside of the fireplace. Extra caution should be taken when lighting in high humidity or moisture. After igniting, allow 30 minutes to dry out the media, and monitor from a distance until all popping has ceased before fully enjoying the fire.

TURNING ON YOUR MATCH LIT SYSTEM

1. **STOP!** Read all the safety information.
2. Any cover must be removed prior to operation of burner or appliance and must remain off during operation.
3. Confirm that your main Natural Gas or Liquid Propane supply to the appliance is open. **Do not open your key valve or gas control valve at this time.**

⚠ WARNING: Fire or Explosion Hazard.

If you smell gas, shut off gas to the appliance, extinguish any open flame. If odor continues, leave the area immediately. After leaving the area, call your gas supplier or fire department. Failure to follow these instructions could result in fire or explosion, which could cause property damage, personal injury or death.

4. Before lighting, visually inspect fire feature and remove any accumulated leaves or other combustible debris.
5. Locate key valve or gas control valve controlling gas supply to your appliance.
6. Locate the closest jet tip on the exterior of the burner that can be easily accessed while operating key valve or gas control valve without reaching across other jets or the burner.
7. Place a lit lighter or match flame on or slightly above the tip of the jet located in Step 6 while not reaching over it. A long reach lighter or match is recommended.
8. While holding the flame on or slightly above the jet tip as described in Step 7 above, slowly turn the key valve or gas control knob to the left to allow a minimal flow of gas to the burner and light the selected jet. While attempting to light jet, do not substantially increase gas supply. Excessive flow of gas before jet is lit can cause pooling of gas and result in sudden flare up.
9. Once the selected jet (or other jets) is lit, continue to keep any body parts from above the pit or burner and slowly turn the key valve or gas control knob further to the left to increase the flow of gas to the burner. The other jets of the burner should ignite.
10. You may follow the same procedure described above to light additional jets only if able to do so without reaching across the burner or other jets which may ignite.
11. If the flame will not stay lit after several attempts, turn the key valve to the off position and call your local technician or gas supplier for service prior to re-attempting to operate your appliance.
12. Once lit, use the key valve to adjust the flame to the desired height.

TURNING OFF YOUR MATCH LIT SYSTEM

1. Use key to turn valve to OFF position by turning key to the right.
2. Verify flame is OUT.
3. If using LP bottle/tank – turn bottle/tank to CLOSED position.
4. Allow to cool completely, then cover the fire feature with waterproof/weatherproof cover.

General Maintenance & Troubleshooting

⚠ WARNING: Fire feature should be inspected by user prior to each use and inspected at least once annually by a qualified gas appliance service professional

Any guard or protective device removed for servicing must be replaced prior to operating the appliance.

Installation and repair should be done by a qualified technician. Appliances should be inspected prior to each use and inspected at least once annually by a qualified gas appliance service professional.

Ensure gas and power (if applicable) are shut off and fire pit is cool before servicing.

Keep fire feature covered at all times when not in use.

Keep any debris out of appliance - clean as needed. If debris is found, remove before lighting system.

JET ORIFICE CLEANING

Annual inspection and cleaning of the fire feature is recommended. If at any time the flames exhibit any abnormal shapes or behavior, or if burner fails to ignite properly, then the burner holes located in bottom of gas jet orifices may require cleaning. The appliance can be cleaned by carefully removing the logs and media to allow access to burner.

Use a brush to carefully remove dust, spider webs and loose particles. Periodical inspection by a qualified service technician of the air-intake is required to ensure your fire feature performs properly.

Use a wire or small puncture tool and carefully insert in jet. Tool should be size of a small paper clip. If evidence of damage, burner must be replaced with the appropriate CROSSFIRE™ burner specified by manufacturer.

TROUBLESHOOTING MATCH LIT

Below are some potential causes and countermeasures to the symptoms listed: **TURN OFF APPLIANCE BEFORE SERVICE**

- No flame - Make sure the key valve is on. Turn key to the left to open valve and allow gas flow.
- Low or Weak Flame - Verify correct gas pressure using the Water Column Pressure Chart / check ports are not blocked/ If an LP unit: change LP tank / change gas regulator
- One or more jets will not light – Clean the orifices and check jets for obstruction.
- Fire feature is making a whistling sound - Make sure that the flex line is the whistle-free, without sharp bends, and installed correctly. Check the pressure to be sure it is within recommended ranges.

Unit is smoking / sooting excessively.

(Note: It is natural and unavoidable for appliances to produce moderate levels of carbon (soot) where flames contact the media.)

- Contact local natural gas company / Separate the stones to allow more flame passage / Remove any foreign items from the flame pattern and/or check for proper orifice sizing

Burner is excessively noisy

(Note: The movement and combustion of gas will create low, unavoidable levels of noise.) - Relieve any tight bends or kinks in gas supply line / Check/reset gas regulator pressure

Contact a certified gas technician for service & repair if these suggestions do not solve the issue.

⚠ WARNING: If you smell gas, shut off gas to the appliance, extinguish any open flame. If odor continues, leave the area immediately. After leaving the area, call your gas supplier or fire department. Gas leaks to be corrected by a qualified technician.

Replacement Parts

Key3	3" Key
MSCB	Escutcheon & 1/2" Key valve with 3" Key
EMT Mount	Kit of 4 Mounting brackets and (8) screws
ABS	ABS Spacer
AP-52RND	Aluminum round plate
Flex-1/2x36	1/2" Flex Line - 36"L
GF-1/2FLR	1/2" Flared Fitting
LP Hose 10	LP 3/8" 10' Hose for use with a 20lb tank
Reg	Regulator: 1/4" FNPT Inlet x 3/8" FNPT Outlet - Liquid Propane
LP Kit	(2) 3/8" Flare Fittings, LP Hose 10' and Regulator up to 70K BTU

Warranty

ALL DREAMCAST DESIGN & PRODUCTION CONCRETE FIRE PITS AND OUTDOOR PRODUCTS HAVE A LIMITED 1 YEAR WARRANTY

All DreamCast products are guaranteed, at the time of delivery (i) to meet the product specification, (ii) to conform to the description and standards stipulated on the order.

DreamCast warrants, for 1 year, its products against defects in material and workmanship. Surface, color and slight size variations are inherent in the line. DreamCast warrants cracks or breaks resulting from a structural defect in the product. Chips and scratches are not covered by warranty. Natural variation in color, texture and porosity may occur with concrete products and are considered inherent and valued qualities of the material. Non-structural hairline cracks are possible and shall not be considered a manufacturing defect.

Damage resulting from excessive overloading, impact or abnormal abrasion is not covered by this warranty. **THIS WARRANTY EXPRESSLY EXCLUDES DAMAGE DUE TO VANDALISM, GROUND MOVEMENT, NEGLIGENCE OR ABUSE.** Exposure to salts will also invalidate this warranty.

In the event of any defective product disclosed to DreamCast, then DreamCast shall, at its option, either (i) repair the product or (ii) replace any defective product. DreamCast shall not have any liability for claims beyond 1 year. The liability of DreamCast shall not, under any circumstances whatsoever exceed the amount of the price paid or payable for the products sold and delivered by DreamCast.

Many aspects of DreamCast Products are hand-produced, and finished and use natural materials, which makes them subject to minor variations in colour, finish and size. All pieces will mature and age over the course of time through natural processes associated with use, heat and flame. These changes are an essential part of the dynamic of the piece. DreamCast Design and Production Ltd. reserves the right to make minor amendments without prior notice.

Express Warranties Do Not Include

A. Service calls to:

- i) Correct the installation of the fire pit.
- ii) Instruct you how to use the fire pit.

B. Repairs when the DreamCast Fire pit has been used in other than normal domestic/commercial use or when not used in accordance with the Installation, Operating and Maintenance Manual.

C. Repairs when the DreamCast Fire pit parts or models have been modified or altered in any way that has not been approved in writing.

D. Repairs when the Fire pit has been dismantled, repaired or serviced by anyone other than an authorized representative.

E. Pick up and delivery.

F. Normal maintenance as required in the Installation, Operating and Maintenance Manual supplied with DreamCast Fire pits.

G. Transportation or traveling costs involved in the repair when the appliance is installed outside our normal service area.

H. Damage to the Fire pit caused by accident, misuse or Act of God.

I. Any incidental shipping or holding costs to deliver your Fire pit or parts

Your warranty certificate along with proof of date of purchase must be produced when making any claim.

For warranty claims please contact:
DreamCast Design and Production Ltd.
2200 Vauxhall Place,
Richmond, BC
Canada
V6V 1Z

Fill in the installation date and model and serial numbers of the unit in the space provided below and retain this limited warranty for your files.

Serial# _____ Date Installed _____

Burner Warranty by Warming Trends®

ALL CROSSFIRE BRASS BURNERS HAVE A LIMITED LIFETIME WARRANTY. ALL BURNERS MUST BE COVERED WHEN NOT IN USE OR WARRANTY IS NULL AND VOID

Warming Trends® warrants its products to be free from defective material and workmanship under normal service and use. This warranty covers manufacturing defects only and does not cover defects due to normal wear and tear; it does not warrant any product or part that has been altered, damaged, damaged in shipping, disassembled, modified, misused, not properly maintained, not installed, or not kept in regular use after installation. Warming Trends® liability shall be restricted to the purchase price of the product only and makes no other warranty, express or implied, but not limited to, the implied warranties of salability and appropriateness for a specified purpose, with respect to its products and parts, whether used along or in combination with others. Warming Trends® is free of liability for any damages caused by the unit, as well as in-convenience expenses, material or labor charges incurred by any service call, repair, removal or reinstallation of any unit. Incidental or consequential damages are not covered by this warranty.

Warranty does not cover damage to systems due to debris in the gas lines or damage to system due to water.

Owner is responsible for reading and understanding warranty for full terms and conditions Warming Trends®, at its discretion, agrees to repair or replace defective product if returned to Warming Trends® within the warranty period. The respective warranty time periods are effective from the original date of purchase.

The warranty is non-transferable and applies only to the original purchaser. In addition, this warranty is automatically void if the unit's serial number has been removed or altered in any way.

Problems in the functioning of the systems due to gas plumbing or electrical installed by others are not covered by any warranty offered by Warming Trends®.

No dealer, distributor, or other person has the authority to represent or warrant a Warming Trends® product beyond the terms contained within this warranty, and Warming Trends® assumes no liability for such warranty representations.

Any questions concerning this warranty should be directed to the Warming Trends® corporate office.

Return Policy of Warranty Product

Any Warming Trends® product deemed by Warming Trends® as defective and covered by the warranty may be returned to Warming Trends® for assessment to determine if repair or replacement is necessary. In order to return a product, you must have a Return Merchandise Authorization number (RMA#). Please contact Warming Trends® at orders@Warming-Trends.com or 877-556-5255 to obtain an RMA#. All returned merchandise must have the RMA# clearly printed on the outside of the package. Return shipping costs are the purchaser's responsibility. Warming Trends® is not responsible for product damaged or lost in transit. It is recommended that return items are shipped via a delivery service that can be tracked and/or insured to confirm receipt.

Prop 65 Warning

What is “Prop 65”?

Proposition 65 (“Prop 65”) is a California law which requires businesses to provide warnings to Californians about significant exposures to chemicals that cause cancer, birth defects or other reproductive harm. These chemicals can be in the products that Californians purchase, in their homes or workplaces, or that are released into the environment. Prop 65 enables Californians to make informed decisions about their exposures to these chemicals.

Prop 65 also prohibits California businesses from knowingly discharging significant amounts of listed chemicals into sources of drinking water.

Prop 65 requires California to publish a list of chemicals known to cause cancer, birth defects or other reproductive harm. This list, which must be updated at least once a year, has grown to include approximately 900 chemicals since it was first published in 1987.

Prop 65 became law in November 1986, and is also known as the Safe Drinking Water and Toxic Enforcement Act of 1986. Prop 65 does not apply to products sold outside of the state of California. For more info on Prop 65, go to: www.p65warnings.ca.gov For a fully updated list of all the chemicals and compounds that are known to the State of California to cause cancer or reproductive toxicity, go to: <https://oehha.ca.gov/proposition-65/proposition-65-list>.
Warnings

WARNINGS:

Lead: Can cause birth defects or other reproductive harm. Lead can be found in brass fittings. View the fact sheet at www.p65warnings.ca.gov

Carbon Monoxide: Carbon monoxide is a colorless, odorless, and poisonous gas. It is formed during the combustion of various fuels. View the fact sheet at www.p65warnings.ca.gov

Bisphenol A: BPA is a widely used chemical that be found in linings, plastics, and other materials. It can cause harm to the female reproductive system. View the fact sheet at www.p65warnings.ca.gov

Furniture Product Exposure: Some furniture products can expose you to chemicals which are known to the State of California to cause cancer or birth defects or other reproductive harm. View the fact sheet at www.p65warnings.ca.gov

Want to see more? View all of the Prop 65 fact sheets at www.p65warnings.ca.gov

More Info on Prop 65

If you have specific questions on the administration or implementation of Proposition 65, you can contact OEHHA’s Proposition 65 program at P65.Questions@oehha.ca.gov, or by phone at (916) 445-6900.

For enforcement information, contact the California Attorney General’s Office at (510) 622-2160, or visit <https://oag.ca.gov/prop65>.

Note: The information provided is for informational purposes only and does not constitute legal advice. If you have any concerns about Prop 65 or how it may apply to our products, please consult your attorney