möbius BY CEM TECH

encinitas fire pit

installation, operation, & maintenenace manual.

encinitas fire pit.

WARNING! THIS APPLIANCE IS FOR OUTDOOR USE ONLY.

This manual should remain with the homeowner or the party responsible for operation.

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

SAVE THESE INSTRUCTIONS.

DO NOT DISCARD.

WARNING!

Do NOT store or use gasoline or other flammable liquids or vapors 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.

For use with Natural or Propane gas only.

contents.

Möbius by CEMTECH Concrete Fire Pits

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encinitas fire pit.

Section 1 — Important Safety Instructions

WARNING
MPORTANT SAFETY INSTRUCTIONS - READ PRIOR TO OPERATING UNIT

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.

For additional product information or replacement copies of these instructions, visit **mobiusconcrete.com**.

DANGER

This fire feature is for outdoor use only.

Professional Installation Required
This fire pit must be installed and serviced by a licensed contractor or qualified installer who meets all state and local requirements for the jurisdiction where the product will be installed.
If no state or local licensing requirements apply, installation and service must be performed by a qualified professional with proven experience installing and maintaining gas and/or electric appliances.
Before installation, read and follow all warnings and instructions provided with this product. Failure to do so may result in property damage, serious injury, or death.
Improper installation or operation may cause exposure to carbon monoxide and gases, which can result in serious injury, property damage, or death.
For installations near occupied or living areas, Möbius strongly recommends installing carbon monoxide detectors within reach of the appliance and in all adjacent occupied spaces.
Improper installation or operation will void the product warranty.

GAS SAFETY WARNING

Do not store or use gasoline, flammable vapors, or flammable liquids near this fire pit or any other appliance.

What to Do If You Smell Gas

- Immediately turn off the main gas supply.
- Do not attempt to light this fire pit or any other appliance.
- Do not touch any electrical switch.
- Do not use a phone near the fire pit.
- Leave the area immediately.
- Call your gas supplier from a safe location and follow their 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 gas supplier.

FUEL USE WARNING

- This appliance is designed for use with **propane or natural gas only**.
- **Do not use solid fuels or alternative fuels** with this appliance at any time. This includes wood, charcoal, pellets, ethanol, or any other non-approved fuel source.

CARBON MONOXIDE AND GENERAL SAFETY WARNINGS

This fire feature can produce carbon monoxide, an odorless gas that can cause serious injury or death.

CARBON MONOXIDE IS DEADLY!

Exhaust from this fire feature contains toxic levels of carbon monoxide, as dangerous, poisonous gas you cannot see or smell. Improper installation and/ or operation could create carbon monoxide gas which could cause serious injury or death.

Symptoms of carbon monoxide exposure or poisoning include: Dizziness, headache, nausea, weakness, tiredness, muscle twitching, vomiting, and/or the inability to think clearly. **IF YOU EXPERIENCE ANY OF THESE SYMPTOMS, IMMEDIATELY TURN OFF THE GAS SUPPLY, LEAVE THE AREA AND FIND FRESH AIR IMMEDIATELY. THE PRODUCT MUST BE THOROUGHLY TESTED BY A QUALIFIED SERVICE PROFESSIONAL OR GAS SUPPLIER BEFORE RESUMING OPERATION.**

encinitas fire pit.

Section 1 — Important Safety Instructions

CARBON MONOXIDE IS DEADLY!

The U.S. Consumer Product Safety Commission warns that carbon monoxide is an "invisible killer". Carbon monoxide is a colorless and odorless gas.

- Carbon monoxide is produced by burning fuel, including natural gas and propane.
- Proper installation, operation and maintenance of fuel-burning appliances in the home is the most important factor in reducing carbon monoxide poisoning.
- Be sure that fuel burning appliances such as fire bowls are installed by professionals according to manufacturer's instructions and codes.
- Always follow the manufacturer's directions for safe operation.
- Have the fire bowls (including vents) inspected and serviced annually by a trained service technician.
- Examine vents regularly for blockage.

Install battery-operated carbon monoxide alarms. The alarms should be certified to the requirements of the most recent UL, IAS, CSA and IAPMO standard for carbon monoxide alarms. Test carbon monoxide alarms regularly and replace dead batteries.

WARNING

Never use this fire feature in an enclosed space, including a motorhome, camper, vehicle, home, garage, or any enclosed living area. Use in an enclosed space may result in death, serious personal injury, or major property damage.
Any alteration will also void the warranty.

CAUTION

- This fire feature is not intended for cooking. Do not place food, cookware, or any other items on or inside the fire feature.
- Do not use this fire feature in windy conditions.
- Do not touch hot surfaces, fire media, or open flames. Fire media includes rocks, glass, lava stone, or other approved burner media.
- Do not reach, jump, step, or walk across the fire feature, fire media, or open flames.
- Do not ignite the fire feature when the fire media is wet. Wet media may crack, pop, or burst when heated.

CAUTION (continued)

- Inspect the fire feature before every use. Make sure there are no obstructions, debris, or combustible materials on or near the unit.
- Wipe down the surface before each use. Clean spills, debris, or messes on or around the unit immediately.
- When using a propane tank, inspect rubber hoses and fittings regularly for cracks, abrasions, or leaks. This inspection should be performed at least once per month.
- Never leave children or pets unattended near the fire feature.
- When the fire feature is not in use, use an appropriate fire pit or barbecue cover to help protect the unit.

WARNING

- **NEVER** store gasoline, cleaning fluids, varnishes, paints, or other volatile flammable liquids near the heater.
- **NEVER** place unopened containers into the fire feature. Heating such containers will build up pressure and may cause the container to burst, resulting in personal injury or property damage.
- If the burner goes out, turn the gas off and wait several minutes. Once gas has dissipated, light as directed by the manufacturer.
- Do not use solid fuels. The fire feature is intended for use with natural gas or propane only! Never use alternative fuels?
- This fire feature is equipped with an unconventional gas control valve that is factory set and not adjustable. **DO NOT** attempt to adjust gas flow using this valve. Improper installation, adjustment, alteration, service, or maintenance can cause property damage, personal injury, or loss of life. Installation or service must be performed by a qualified installer, service agency or the gas supplier. If this control is replaced, it must be replaced with an identical control.
- **NEVER** allow loose fitting garments to come in contact with hot surfaces or open flames. Garments may ignite and result in serious personal injury.
- Clothing or other flammable materials should not be hung from, or placed on or near, the fire feature.
- If overheating occurs, or the gas supply fails to shut off, close the main gas supply valve to the fire feature.

Section 1 — Important Safety Instructions

WARNING

- Children and adults should be alerted to the risks of high surface temperatures and should stay at a safe distance to avoid burns or clothing ignition.
- **DO NOT** allow children to play on or around the fire feature or any associated equipment.
- **ALWAYS** closely supervise young children when around this product or pool.
- **DO NOT** use this fire feature if any part or component has been submerged in water. Immediately call a qualified service professional.

DANGER RISK OF ELECTRICAL SHOCK OR ELECTROCUTION!
ALWAYS disconnect power at the circuit breaker before servicing this product. Failure to do so could result in death or serious injury.

- The electrical supply must be installed by a licensed or certified electrician or other qualified professional in accordance with the National Electrical Code (NEC) and all applicable local codes and ordinances.

DANGER RISK OF ELECTRICAL SHOCK OR ELECTROCUTION!

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WARNING

- For countries in compliance with International Electrotechnical Commission (IEC) regulatory standards: The fire feature must be installed by a licensed or certified electrician or other qualified professional, in accordance with IEC 364-7-702 and all applicable local codes and ordinances. Improper installation will create an electrical hazard that could result in death or serious injury to a pool user, installer, or others due to electric shock and may also damage the property.

CAUTION

- Label all wires prior to disconnection when servicing controls. Wiring errors can cause improper and dangerous operation, as well as damage electrical components
- This fire feature is a 12 VAC system. Connect the fire feature to 12 VAC power only.
- When using a Junction Box, connect 12 VAC to junction box terminals. Never connect the fire feature directly to high voltage lines.
- Ensure the pool or spa complies with the requirements of the current National Electrical Code (NEC), Article 680-22, and all applicable local codes and ordinances. A licensed or certified electrician must install the electrical system to meet or exceed those requirements before the fire bowl is installed.

Some of the requirements of the National Electrical Code which the pool electrical system must meet:

- The circuit has a Ground Fault Circuit Interrupter (GFCI) for 120 VAC line-voltage models and an appropriately rated circuit breaker. The conductors on the load side of the GFCI circuit shall not occupy conduit, boxes, or enclosures containing other conductors unless the additional conductors are also protected by a GFCI. Refer to local codes for complete details.
- The Junction Box and the low-voltage transformer are located at least 4 in (10.2 cm) above ground level or 8 in (20.3 cm) above the maximum water level in the bowl, whichever is higher. The Junction Box must be at least 2 ft (1.2 m) from the edge of the pool.
- To ensure the pool or spa electrical system meets all applicable requirements, the electrician should also consult the local building department.

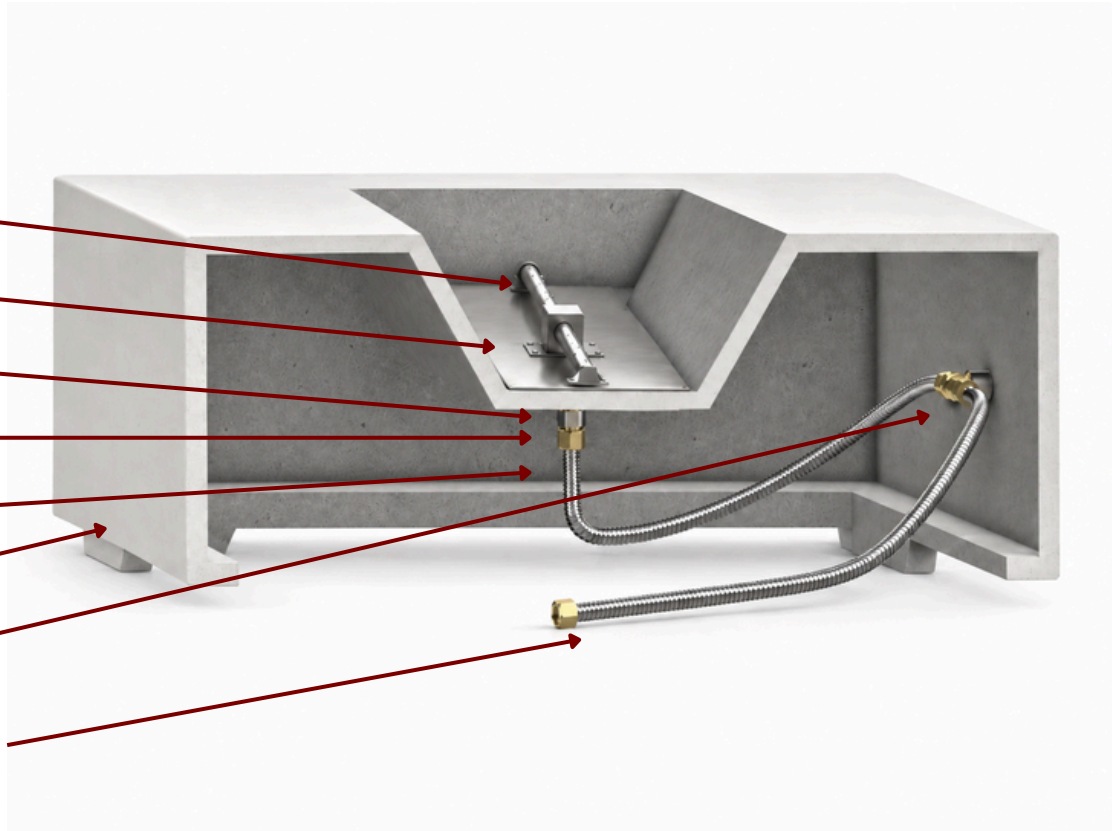
GENERAL WARNINGS (CONTINUED)

- It is the installer's responsibility to ensure a safe installation and to educate the end user on proper operation. Leave this manual with the end user.
- Never alter the product, its components, or its configuration in any way — this will void the warranty and may create a safety hazard.

CALIFORNIA PROPOSITION 65

This product can expose you to chemicals including Lead, Chromium, Crystalline Silicia, or Carbon Monoxide which are known in the state of California to cause cancer, birth defects or other reproductive harm. For more information, visit www.p65warnings.ca.gov.

Review the **Möbius by CEMTECH Caliofornia Propostion 65** document for additional information.



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Section 2 — General Description

2.1 PRODUCT SPECIFICATIONS

Overall Length	36"	46"	57"	69"	93"
Overall Depth	36"	46"	38"	38"	38"
Overall Height	16"	16"	16"	16"	16"
Base Dimensions	32" x 32" x 1.5"	42" x 42" x 1.5"	53" x 34" x 1.5"	65" x 34" x 1.5"	89.5" x 34" x 1.5"
Burning Area	14.5" x 14.5"	24.5" x 24.5"	27.6" x 8.5"	39.5" x 8.5"	63.5" x 8.5"
Burner Type	6-spoke ported top with lower center inlet	6-spoke ported top with lower center inlet	T-bar ported top with lower center inlet	T-bar ported top with lower center inlet	T-bar ported top with lower center inlet
Burner Size	8"	15"	24"	36"	60"
Burner Material	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Burner Fuel Input	match lit 65,000 BTU/HR auto ignite 90,000 BTU/HR	match lit 65,000 BTU/HR auto ignite 90,000 BTU/HR	match lit 65,000 BTU/HR auto ignite 90,000 BTU/HR	match lit 65,000 BTU/HR auto ignite 90,000 BTU/HR	match lit 65,000 BTU/HR auto ignite 90,000 BTU/HR
Fuel Type(s)	Natural Gas or Propane	Natural Gas or Propane	Natural Gas or Propane	Natural Gas or Propane	Natural Gas or Propane
Ignition Type	Match Lit or Auto Ignite	Match Lit or Auto Ignite	Match Lit or Auto Ignite	Match Lit or Auto Ignite	Match Lit or Auto Ignite
Fire Feature Material	GFRC	GFRC	GFRC	GFRC	GFRC
Product Weight	183 lbs	274 lbs	276 lbs	321 lbs	405 lbs

- All product dimensions are nominal and may vary slightly due to the handcrafted nature of GFRC and concrete products.
- Burner specifications are set at the factory and must not be altered in the field.
- Confirm fuel type and ignition type on the product label before installation.
- For custom or non-standard configurations, contact Möbius by CEMTECH Technical Support hello@mobiusconcrete.com.

2.2 GAS PRESSURE REQUIREMENTS

This fire feature must operate with a regulator set to the following requirements. Check with your gas supplier to verify gas flow and pressure available at the installation location.

LP Cylinder Note

If using liquid propane, this fire feature is not provided with an LP cylinder. Specify required cylinder size, e.g., ~12" diameter x 18" tall, DOT-compliant, filler valve with protective collar. Always inspect the hose for cuts or abrasions before use; replace with factory-approved parts only.

Pressure	Natural Gas	Propane
Minimum	6.3″ W.C. 1.57 kPa	9.9″ W.C. 2.46 kPa
Nominal	7″ W.C. 1.74 kPa	11″ W.C. 2.74 kPa
Maximum	7.7″ W.C. 1.92 kPa	12.1″ W.C. 3.01 kPa
Gas Input Flow	match lit 65,000 BTU/HR auto ignite 90,000 BTU/HR	match lit 65,000 BTU/HR auto ignite 90,000 BTU/HR

2.3 CLEARANCE FROM COMBUSTIBLES SURFACES

Clearance	Minimum Distance
Sides (structure / combustibles	4'
Overhead	8' No overhead structures or obstructions allowed

SECTION 2 — GENERAL DESCRIPTION

Refer to Section 3 for installation details and Section 2.3 for all required clearances from combustibles before selecting your installation location.

- All specifications subject to change without notice. Confirm current specifications with your Möbius representative prior to installation.
- All measurements are approximate unless otherwise noted.
- BTU ratings are nominal at standard conditions.

encinitas fire pit. square

2.4 PRODUCT CONTENTS / PARTS LIST

Size 36.36.16 Part	Size 36.36.16 Qty	Size 46.46.16 Part	Size 46.46.16 Qty
1 | Fire Burner - 304 SS, 6-spoke, 8"	Qty 1	1 | Fire Burner - 304 SS, 6-spoke, 15"	Qty 1
2 | Burner Plate - 304 SS, 14GA, 14" x 14"	Qty 1	2 | Burner Plate - 304 SS, 14GA, 24" x 24"	Qty 1
3 | Orifice - Brass, Natural Gas, 65,000 BTU, Match Lit	Qty 1	3 | Orifice - Brass, Natural Gas, 65,000 BTU, Match Lit	Qty 1
4 | Steel Gas Flare Fitting, 1/2" OD Flare x 1/2" FIP	Qty 2	4 | Steel Gas Flare Fitting, 1/2" OD Flare x 1/2" FIP	Qty 2
5 | Tranquiline SS Gas Connector, 1/2" OD, 22"	Qty 2	5 | Tranquiline SS Gas Connector, 1/2" OD, 22"	Qty 2
6 | 1/2" IPS Log Lighter Ball Valve, Chrome Cover + Key	Qty 1	6 | 1/2" IPS Log Lighter Ball Valve, Chrome Cover + Key	Qty 1
7 | GFRC 12 Integral Colors	Qty 1	7 | GFRC 12 Integral Colors	Qty 1
8 | 50" Propane Supply Regulator Assy, 3/8 Flare x QCC1	Qty 1	8 | 50" Propane Supply Regulator Assy, 3/8 Flare x QCC1	Qty 1
9 | Orifice - Brass Match Lit 65,000 BTU/HR Auto Ignite 90,000 BTU/HR	Qty 1	9 | Orifice - Brass Match Lit 65,000 BTU/HR Auto Ignite 90,000 BTU/HR	Qty 1
10 | Fire Media Tumbled Lava Stone Fire Glass (Sold Separately)	Qty 20 lbs Qty 50 lbs	10 | Fire Media Tumbled Lava Stone Fire Glass (Sold Separately)	Qty 50 lbs Qty 110 lbs
11 | Glass Wind Guard 25" x 25" x 6" (Sold Separately)	Qty 1	11 | Glass Wind Guard 37" x 37" x 6" (Sold Separately)	Qty 1

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Size 57.38.16 Part	Size 57.38.16 Qty	Size 69.38.16 Part	Size 69.38.16 Qty	Size 93.38.16 Part	Size 93.38.16 Qty
1 | Fire Burner - 304 SS, "T", 24"	Qty 1	1 | Fire Burner - 304 SS, "T", 36"	Qty 1	1 | Fire Burner - 304 SS, "T", 60"	Qty 1
2 | Burner Plate - 304 SS, 14GA, 27" x 8"	Qty 1	2 | Burner Plate - 304 SS, 14GA, 39" x 8"	Qty 1	2 | Burner Plate - 304 SS, 14GA, 63" x 8"	Qty 1
3 | Orifice - Brass, Natural Gas, 65,000 BTU, Match Lit	Qty 1	3 | Orifice - Brass, Natural Gas, 65,000 BTU, Match Lit	Qty 1	3 | Orifice - Brass, Natural Gas, 65,000 BTU, Match Lit	Qty 1
4 | Steel Gas Flare Fitting, 1/2" OD Flare x 1/2" FIP	Qty 2	4 | Steel Gas Flare Fitting, 1/2" OD Flare x 1/2" FIP	Qty 2	4 | Steel Gas Flare Fitting, 1/2" OD Flare x 1/2" FIP	Qty 2
5 | Tranquiline SS Gas Connector, 1/2" OD, 22"	Qty 2	5 | Tranquiline SS Gas Connector, 1/2" OD, 22"	Qty 2	5 | Tranquiline SS Gas Connector, 1/2" OD, 22"	Qty 2
6 | 1/2" IPS Log Lighter Ball Valve, Chrome Cover + Key	Qty 1	6 | 1/2" IPS Log Lighter Ball Valve, Chrome Cover + Key	Qty 1	6 | 1/2" IPS Log Lighter Ball Valve, Chrome Cover + Key	Qty 1
7 | GFRC 12 Integral Colors	Qty 1	7 | GFRC 12 Integral Colors	Qty 1	7 | GFRC 12 Integral Colors	Qty 1
8 | 50" Propane Supply Regulator Assy, 3/8 Flare x QCC1	Qty 1	8 | 50" Propane Supply Regulator Assy, 3/8 Flare x QCC1	Qty 1	8 | 50" Propane Supply Regulator Assy, 3/8 Flare x QCC1	Qty 1
9 | Orifice - Brass Match Lit 65,000 BTU/HR Auto Ignite 90,000 BTU/HR	Qty 1	9 | Orifice - Brass Match Lit 65,000 BTU/HR Auto Ignite 90,000 BTU/HR	Qty 1	9 | Orifice - Brass Match Lit 65,000 BTU/HR Auto Ignite 90,000 BTU/HR	Qty 1
10 | Fire Media Tumbled Lava Stone Fire Glass (Sold Separately)	Qty 20 lbs Qty 50 lbs	10 | Fire Media Tumbled Lava Stone Fire Glass (Sold Separately)	Qty 30 lbs Qty 70 lbs	10 | Fire Media Tumbled Lava Stone Fire Glass (Sold Separately)	Qty 50 lbs Qty 110 lbs
11 | Glass Wind Guard 37" x 19" x 6" (Sold Separately)	Qty 1	11 | Glass Wind Guard 49" x 21" x 6" (Sold Separately)	Qty 1	11 | Glass Wind Guard 74" x 21" x 6" (Sold Separately)	Qty 1

3 SECTION 2 — GENERAL DESCRIPTION

Refer to Section 3 for installation details and Section 2.3 for all required clearances from combustibles before selecting your installation location.

- All specifications subject to change without notice. Confirm current specifications with your Möbius representative prior to installation.
- All measurements are approximate unless otherwise noted.
- BTU ratings are nominal at standard conditions.

3.1 RECEIVING AND MOVING

• Review our **Fire Pit Warranty and Assembly Manual** for full details.
Inspect the crate/pallet for damage on receipt; confirm PO/BOL numbers match the order.
• If damaged, notify the carrier immediately and mark the delivery damaged, or refuse receipt. Notify Möbius at hello@mobiusconcrete.com immediately.
• Never attempt to move the unit alone. Use a moving dolly, protect the body of the unit with a furniture blanket, and place ¾" plywood between the dolly and the unit for stability.
• Do not use a wheelbarrow or other unbalanced equipment to move the product.

3.2 SELECTING THE LOCATION

• Select a location with good drainage and easy access for installation and future maintenance.
• Choose a location that allows sufficient room to enjoy the fire feature at a safe distance from heat and flame, per the clearances in Section 2.3.
• Keep dense stone (granite, marble, etc.) away from direct heat/flame exposure due to cracking risk.

3.3 RUNNING GAS LINES

• Gas piping shall be installed underground [between units, if multiple / from regulator to unit] and reduced to [1/2] NPT at each connection point.
• Minimize pipe length and elbow count to avoid unnecessary pressure drop.
• Use only stainless steel whistle-free flex hoses. Yellow corrugated flex line is not permitted.
• A key valve near each fire feature is highly recommended for individual flame height adjustment.
• Test gas lines for leaks or pressure loss over a **24-hour** period before covering the trench or finishing the foundation.

3.4 PLACEMENT

- Place the unit on a flat, level surface / foundation.
- Tankless: Run the sized supply line underground and stub out, centered to the unit, with a rated **½" NPT ball valve shutoff** and matching flare fitting.
- Do not kink or sharply bend stainless steel gas lines.
- LP tank: route the supplied hose from the tank through a lower vent to the key valve; do not hand-tighten internal fittings - use a wrench.
- Seat the burner/burner plate on the inner ledge once all fittings are tightened.

3.5 ADJUSTMENT AND MOVING

- Allow the fire feature and all fire media to cool completely before moving or adjusting the unit. Cooling may take **30 minutes to 1 hour**, depending on the size of the fire feature.
- Do not shift the fire media or move the fire feature until the entire unit has cooled.
- Do not kink or sharply bend stainless steel gas lines.
- Before moving the unit, make sure all gas valves are completely closed, and all gas connections are disconnected.
- Refer to the Safe Moving Guidelines and Safety Instructions on the following page. .

3.6 SAFETY MOVING GUIDELINES

- **Never attempt to move your fire/water feature by yourself.**
- Heavy units need more than two movers.
- **Wrap** the entire body of the unit with a furniture blanket before moving.
- Place a piece of **¾" plywood** between the dolly and the fire feature to improve stability during transport.
- Use a properly sized dolly to carefully move the unit into its final position.
- Do not use a wheelbarrow or any unbalanced equipment to move the unit. A hand truck, even designed for this weight, can be dangerous due to balance.

Do Not Use a Wheelbarrow or an Inadequate Hand Truck That Can Quickly Become Unbalanced

- Carefully remove the Fire/Water Feature from the crate and place it on a dolly.
- Damage may occur during disassembly of the crate.

Carefully Remove Unit From Crate and Place on Dolly with Base Side Down
Confirm Dolly will Easily Move Across the Surface (pebbles, grass, dirt)

3.6 SAFETY MOVING GUIDELINES

For Square or Rectangular Units

- An option is to place the unit on it's side on the dolly

Secure the Burner and Pan Prior to Tilting the Unit

- Carefully place the Fire/Water Feature into the final position

A Contractor or Certified Installer Needs to Connect the Gas and Test the Unit

After Unit has been Tested and Approved, Add the Fire Media and Enjoy

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Section 4 — Fire Media

CAUTION

Do NOT use any filler/topping media other than those listed below. Improper media can 'pop' or 'explode' due to heat, cuasing property damage or injury.

4.1 ACCEPTABLE MEDIA

- Fire-rated lava rock (or other igneous rock)
- Fire glass approved for use in fire features
- Man-made reflective stone approved for use in fire features
- Never use non-porous, moisture-holding material such as gravel, pebbles, or river rock - trapped moisture can boil and fracture the material unexpectedly.

4.2 FILL DEPTH

- Layer thickness: **2"-3"** to fully cover the fire feature while allowing oxygen to mix with the gas.
- Do not cover the burner with more than 1" of media directly above the burner element - excess media can damage the pilot or impair burner operation.

4.3 PROHIBITED MEDIA & SAFETY NOTE

- Do not use river rock, pebbles, gravel, or any non-porous stone - moisture trapped inside can cause cracking, popping, or projectile hazards when heated.
- Do not use sand, soil, or any organic material in or around the burner area.
- Only use media explicitly rated and approved for gas fire feature use.

WET LAVA ROCK WARNING

- If lava rock has been exposed to rain or moisture, allow the fire feature to run for a minimum of **45 minutes** before anyone approaches within **15 feet** of the unit.
- Steam and pressure buildup inside saturated media can cause sudden fracture and ejection of rock fragments.

LAVA ROCK (sold by others)

TUMBLED LAVA STONE

FIRE GLASS

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5.1 INITIAL TESTING

BURN HAZARD

Use a fireplace lighter only. Do not use a match or cigarette lighter - they are too short and will light fuel too close to the burner, risking injury.

IGNITION & TESTING STEPS

- Ignite the fireplace lighter and hold the tip near the burner.
- Turn the key valve **ON** to start gas flow. The burner should ignite within **5 seconds**.
- If it does not light, turn **OFF** the key valve, wait **10 seconds**, and retry. If it still does not light, contact a qualified gas technician.
- Let the burner run a few minutes, then shut off via the key valve and allow it to cool before adding fire media.
- It may take multiple ignition cycles to fully purge air from newly installed gas lines.

5.2 NORMAL OPERATION

- Ensure the area is clear of people, pets, and debris before lighting.
- Ignite per 5.1, then adjust flame height using the key valve.
- After use, turn off the key valve fully. Allow a minute for residual gas to burn off before flames fully extinguish.
- Remove the key when not in use and store away from children.
- Cover the fire feature when not in use.

5.3 GAS LINE PURGE NOTE

- On new installations, air trapped in the gas supply line may prevent immediate ignition.
- It may take multiple ignition attempts to fully purge air from newly installed gas lines — this is normal.
- If the burner still fails to light after several attempts, stop use and contact a qualified gas technician.

5.4 NO ALTERATIONS

- Never alter any component or the unit's design - doing so may impair operation and will void the warranty.
- For service, replacement parts, or technical support, contact Möbius by CEMTECH at hello@mobiusconcrete.com or (760) 875-2723.

6 MAINTENANCE SCHEDULE OVERVIEW

- Inspect the fire feature before each use - confirm the area is clear of obstructions, combustibles, people, and animals.
- Cover the burner when not in use.
- Inspect all major components annually; have gas connections leak-tested annually by a professional certified by the National Fireplace Institute (NFI) in the US or WETT in Canada.
- Before each use: inspect area for obstructions, combustibles, people, and animals. Confirm burner is clear.
- After each use: shut off key valve fully, allow cool-down, cover the unit.
- Annually: remove all fire media, clean burner of dust, spider webs, and debris. Inspect burner for damage and replace if necessary.
- Periodically: inspect LP air-mixer vents for insect nesting or blockage that could restrict airflow.

6.1 ANNUAL BURNER CLEANING

- Ring/burner cleaning (1x/year): remove media, brush away dust, spider webs, and loose particles from the burner and base. Replace the burner if damaged.
- Periodically inspect LP air-mixer vents for insect nesting, which can obstruct airflow and cause fuel accumulation.
- Never alter any component or the unit's design - doing so may impair operation and will void the warranty.

6.2 KEY STORAGE & COVERING

- Remove the key valve when the fire feature is not in use and store it in a location inaccessible to children.
- Always cover the fire feature when not in use to protect the burner, media, and concrete body from weather and debris.

6.3 AGING, PATINA & FINISH

- Surface variation, minor crazing, and tonal shifts are natural and should be embraced.
- Regular cleaning and resealing help maintain a uniform finish but will not eliminate natural patina.
- For polished finishes, avoid sharp objects, do not drag heavy items across the surface, and clean with a microfiber cloth.

7.1 BURNER WILL NOT LIGHT

Possible Cause	How to Fix
Air in Gas Line	If newly installed, it may take several attempts to purge air from the line.
Debris in Gas Line	Confirm the gas line is clear and free of obstruction (insulation, dirt, excess pipe seal, waterc.). Clearing debris may require help from a professional.
Improper Gas Pressure	Confirm supply pressure matches specification (Section 2.2) via a Gas professional.

7.2 BURNER WILL NOT STAY LIT

Possible Cause	How to Fix
Gas Hose Restrictions	Remove any tight bends or kinks in the gas supply hose.
Excessive Gas Flow	Check the gas regulator and reset if it is not within factory recommendations. Refer to Section 3 for your gas type.

7.3 FLAME TOO LOW

Possible Cause	How to Fix
Low Gas Pressure	Low gas pressure / undersized supply line. It could also be blocked burner portsor orifice that needs to be cleared.

7.4 FLAME REPEATEDLY GOES OUT

Possible Cause	How to Fix
Low Gas Pressure	Verify line is sized for total BTU demand and pressure matches spec.

CAUTION

If you smell gas and the burner fails to light, immediately turn off the main gas valve. Wait at least 5 minutes for accumulated gas to dissipate before attempting to light again.

7.5 NOISE

Possible Cause	How to Fix
Note: Use only the gas hose supplied by the manufacturer, as it has been tested for noise.	
Gas Hose Restrictions	Remove any tight bends or kinks in the gas supply hose.
Excessive Gas Flow	Check the gas regulator and reset if it is not within factory recommendations. Refer to Section 3 for your gas type.

7.6 UNIT IS SMOKING

Possible Cause	How to Fix
Poor fuel quality / blocked media / improper air-fuel mix	Contact gas supplier; spread media evenly; clear foreign debris from the flame path.

7.7 UNWANTED ODOR

Possible Cause	How to Fix

Gas leak	DO NOT OPERATE. Turn off the key valve, but leave the gas source on/open so gas can flow through the hose up to the igniter valve. Inspect hose(s) and check all connections and fittings for leaks using soapy water; look for bubbles.
	• If a leak is found, turn off the gas immediately and replace the damaged or defective component.
	• If no leak is found
	  ◦ Liquid Propane Units - Inspect the propane tank for damage or defects. The tank may need to be replaced.
	  ◦ Natural Gas Units - Contact your local gas company or a gas professional for inspection.

7.8 COLOR FADING

Possible Cause	How to Fix
Exposure	Apply a cement or concrete sealer to exposed concrete areas once a year.

encinitas fire pit.

Section 8 — Warranty (Reference the Möbius by CEMTECH Full Warranty)

8.1 WARRANTY SPECIFICATIONS

Möbius warrants that products are free from defects in materials and workmanship for a period of **two (2) years** from the date of the product invoice to the original purchaser. This warranty does not apply to damage resulting from accident, alterations, misuse, tampering, negligence, or abuse. Möbius will, at its discretion, repair, replace, or refund the purchase price of any items found defective upon inspection by an authorized service representative.
The warranty covers replacement of materials but does not include labor involving installation or maintenance.

the ignition system is covered under a 1-year warranty.
If the ignition system fails due to a defect in materials or workmanship under normal use and maintenance within one year from the date of shipment by Möbius, we will, at our option and after inspection, repair or replace the defective product or repay the full purchase price paid. For this warranty to apply, you must return the defective product to us within 1 year of the date we shipped it to you.

8.2 MULTI-PIECE PROJECTS

For projects containing multiple pieces, only the compromised pieces will be evaluated for replacement. All damaged pieces may be claimed for warranty, and Möbius will repair or replace them individually.

8.3 THE FOLLOWING DEFECTS ARE COVERED UNDER WARRANTY

- Structural cracks: Cracks that compromise the structure's integrity for its intended use, meeting specific criteria for width and length.
- Excessively large pitting: Pitting exceeding a certain diameter.
- Large chips: Chips smaller than a specified size can be repaired using appropriate methods.
- Extreme abnormal variation in print lines or pattern.
- Rust stains upon arrival.
- Visible repairs: Repairs should meet specific standards of cleanliness and uniformity.
- The customer has seven (7) days from delivery to inspect and report visible damage or defects. If this is caused by Möbius' manufacturing process this is covered under the warranty. If the damage is caused by shipping, then it would fall under a freight claim.

Any defect compromising the product's structural integrity or its acceptable appearance, as determined by industry standards and a visual assessment from a distance of 25 feet, is considered a rejectable defect and is covered by warranty.

8.4 THE FOLLOWING ITEMS ARE NOT COVERED UNDER WARRANTY

- Calcium-chloride damage: Damage caused by salt and de-icing chemicals.
- Improper surface care: Damage resulting from the use of harsh chemicals, solvents, or pressure washing.
- Loading and unloading damage: Damage incurred during offloading, which can be minimized by exercising care and using appropriate protective measures.
- Install damage: Damage resulting from improper installation procedures or later rejection of installed item.
- Chipping where hardware is installed: Damage occurring during or as a result of hardware installation, which can be prevented by following proper procedures.
- Packing marks as a result of long-term storage: Damage resulting from prolonged storage.
- This warranty does not cover damage from misuse or improper care and will void the product warranty.

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