

# OWNER'S MANUAL

# TrailMate™

**Connoisseur Series Gas Grill  
Model A10-801**



For questions regarding performance, assembly, operation, parts, or returns, contact the experts at MAGMA by calling **(562) 627-0500** 7:00 a.m. - 4:00 p.m. Pacific Time Monday thru Friday or e-mail us at [mail@MagmaProducts.com](mailto:mail@MagmaProducts.com)

# MAGMA®

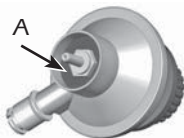
U S A

**IMPORTANT, read these instructions carefully before use. Familiarize yourself with the appliance before connecting it to its gas container. Keep these instructions for future reference.**

# IMPORTANT SAFETY WARNINGS

## READ ALL INSTRUCTIONS BEFORE OPERATING.

- USE OUTDOORS ONLY.
- DO NOT USE THIS APPLIANCE INSIDE THE BOAT OR ANY ENCLOSED SPACE.
- GRILLS RADIATE HEAT. CLEARANCE FROM COMBUSTIBLES, 24" SIDES AND BACK. NEVER USE UNDER AWNINGS, PATIO COVERS, ETC.
- USE PROPANE GAS ONLY. FUEL STORAGE SHOULD BE IN COMPLIANCE WITH THE AMERICAN BOAT AND YACHT COUNCIL (ABYC) STANDARDS A-1 (9), MARINE LIQUIFIED PETROLEUM GAS (LPG) SYSTEMS.
- FOR NATURAL GAS APPLICATION CONTACT MAGMA.
- ALWAYS LIGHT GRILL WITH LID OPEN.
- NEVER LEAVE HOT GRILL UNATTENDED.
- USE HOT PAD WHEN HANDLING.
- ALWAYS TURN GRILL OFF AFTER USE.
- NEVER LEAVE GAS CYLINDERS AND REGULATOR CONNECTED WHEN STOWED.
- STORE GAS CYLINDERS IN WELL VENTILATED AREA.
- DO NOT STORE GAS CYLINDERS INDOORS, IN DIRECT SUNLIGHT, BELOW DECKS ON BOATS, OR IN LOCKERS NOT APPROVED FOR BUTANE OR PROPANE STORAGE.
- CAUTION: CHECK FOR GAS LEAKS EACH TIME CYLINDER IS CHANGED.
- NEVER CHECK FOR GAS LEAKS WITH A FLAME!
- DO NOT BLOCK, RESTRICT, OR OTHERWISE OBSTRUCT COMBUSTION OR VENTILATION AIR OPENINGS.
- DO NOT MODIFY THIS APPLIANCE.
- CHECK THAT VALVE SEALING WASHER (A) IS IN PLACE AND IN GOOD CONDITION BEFORE CONNECTING THE GAS CONTAINER.
- INSTALL CANISTERS IN WELL VENTILATED AREA AND AWAY FROM OPEN FLAME, HEAT SOURCE OR SPARKS. KEEP AWAY FROM OTHER PEOPLE OR FLAMMABLE MATERIALS.

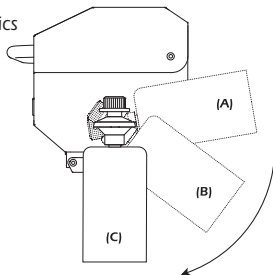


**Each Magma® Gas Grill is individually fire tested before it leaves the factory. For this reason, the burner on your grill may be slightly discolored.**

## INSTALLATION INSTRUCTIONS

### CONTROL VALVE REGULATOR

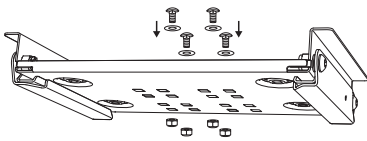
- Uses standard 1-lb. disposable propane canisters (DOT-39 NRC 228/286).
- Prior to installing valve, become familiar with the valve function & graphics on valve knob. Never force the knob. Always turn or push gently.
- Turn control valve to "lock" and install gas canister being careful not to cross the threads. Check for leaks prior to use, by brushing soapy water solution around threads and orifice hole checking for bubbles.
- Position valve with gas bottle as shown **(A)**. Gently insert valve stem into valve chamber. Rotate until valve stem key aligns with lock detent allowing valve to fully insert. Rotate gas canister down, so knob faces you **(B)** or straight up **(C)** depending on application. Pull straight out on valve to check that it is locked in place.



**Valve will feel loose and will rotate easily. Even though the valve feels loose, it is designed that way and will not leak. The valve was designed to be loose fitting in order to allow safe, easy installation and removal of the propane canister and so it easily swings without resistance to fit all applications**

## MOUNT HARDWARE

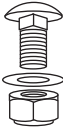
Fasteners are supplied for Single Mount grill mounting options.  
See Magma Catalog or Website for best mount selection.



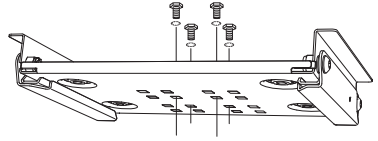
### Single mount through-bolt applications

4 Carriage bolts, washers & lock nuts.

Note: Place washers on carriage bolts as shown above..



Carriage bolt,  
washer & lock nut



### Single mount non-through-bolt applications, including Style 1 "Levelock"

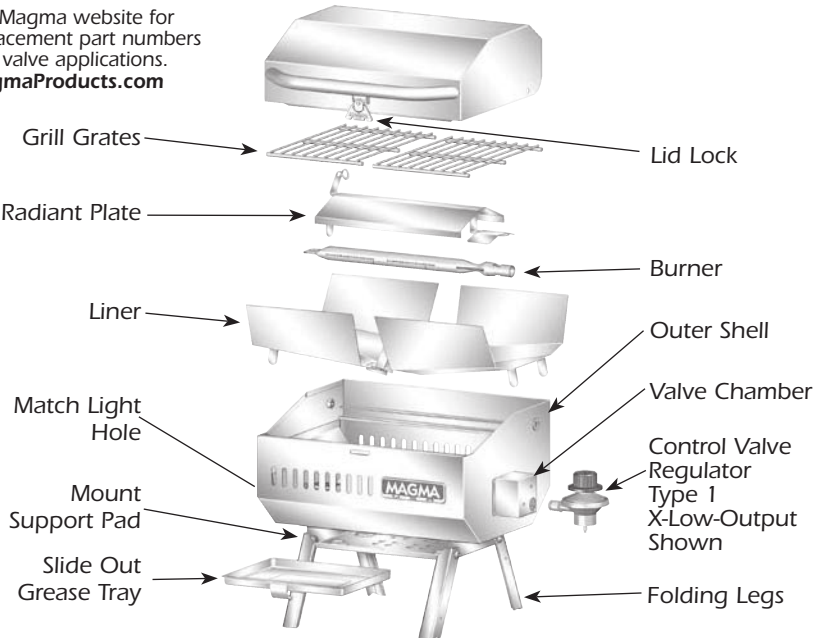
4 Hex head bolts & lock washers.

Note: Place lock washers on hex bolts as shown above.



Hex head bolt  
& lock washer

See Magma website for  
replacement part numbers  
and valve applications.  
**MagmaProducts.com**



# OPERATING PROCEDURES

**OPERATE ONLY ON "LOW" WHEN LID IS CLOSED.  
ALWAYS OPERATE WITH GREASE TRAY IN PLACE.**

**WARNING:** Do not overheat grill. Magma Grills do not require pre-heating. Stainless Steel loses anti-corrosive characteristics when subjected to extreme heat. Most grilling is done on low temperature with the lid closed. If medium or high heat is required, grill with lid open.

## LIGHTING INSTRUCTIONS

- Open lid during lighting.
- Place flame up to burner through the match light hole.
- Depress valve and turn counter-clockwise to the "HIGH".
- Visually confirm ignition.

## TO REDUCE FLARE-UP

- Empty and clean grease tray prior to each use.
- Trim excess fats from meat.
- Use non-oil based marinades.
- Reduce heat.
- Use water spray directly on flare-ups.

**NOTE:** Before lighting, lid lock must be positioned not to engage. Open lid and turn lock to locked position, or bring lock latch up to handle in open position and flip lock actuator back onto handle.

## PRACTICAL HINTS:

**Before lighting your grill, be sure that ...**

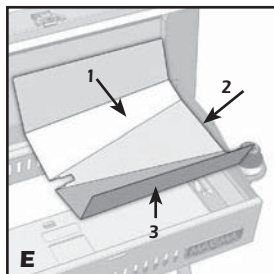
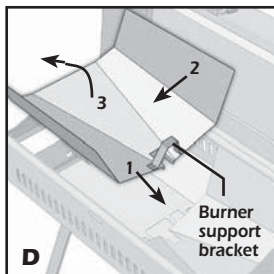
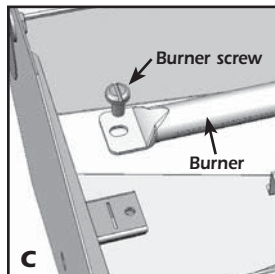
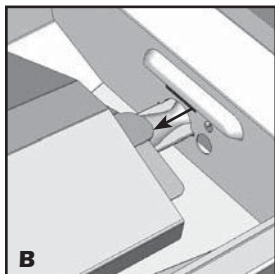
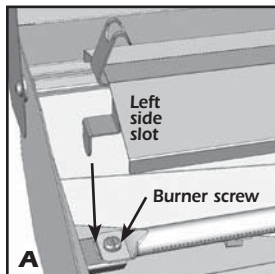
- Grill is secure and properly mounted.
- Internal components and grease tray are clean and correctly positioned.
- You have plenty of gas in the canister.
- Gas canister is attached properly and there are no gas leaks.
- Lid lock has been set not to engage.
- You have a water spray bottle handy to cool a hot grill or stop any flare-ups.

## STOWING TIPS

- Always disconnect the fuel canister from the valve prior to stowing.
- Stow the valve in a clean, dry area to protect from corrosion to valve.
- Always store propane in a sealed propane storage locker that allows leakage to vent overboard or use **Magma A10-210 Propane Storage Tote**.  
Never stow below decks

## DISASSEMBLY & RE-ASSEMBLY

- A** - Lift radiant plate up & out of left slot.
- B** - Remove by sliding it out of right slot.
- C** - Remove burner screw and remove burner. Check burner for grease residue or spider webs that may obstruct gas flow. **CAUTION: WHEN REPLACING BURNER, CUT SLOTS IN BURNER MUST FACE DOWN.**
- D** - Lift the two-section liner out of outer shell by lifting up on the burner support bracket on the left liner section. **(1)** Slide the left section partially over the right section. **(2)** Grab the back of the left liner section and pull it toward you until it clears the lip of the outer shell. **(3)** Lift liner section out of grill.
- E** - Move the right liner section slightly to the left **(1)**. Grab the back of this section and pull it toward you **(2)** - lift and remove this section **(3)**.
- Inspect burner, remove any obstructions.
  - Clean as indicated in Maintenance (page 6).
  - To re-assemble, reverse the procedure above.



## MAINTENANCE

Stainless Steel, contrary to popular belief, can rust. Most commonly, deposits on the surface of the product will trap moisture. It is this moisture that robs the stainless steel of oxygen. Oxygen is the element that reacts with the stainless steel to form a protective layer of chrome oxide. Robbed of oxygen this reaction does not take place and "crevice corrosion", or "surface rusting", occurs. To minimize this effect, thoroughly clean your grill with soap and water, rinse with fresh water and dry. Avoid using products designed to clean stainless steel as most leave a residue that may discolor when the grill is heated.

Additionally, stainless steel that is exposed to high heat will change in color and texture over time. This "bluing" and later "browning" of the internal components is not a failure of the stainless steel and will not affect the product operation. However, prolonged exposure to extreme high heat will cause the chromium and nickel to "burn out" of the stainless steel. At this point the stainless steel will become more susceptible to corrosion and will start to deteriorate. We recommend that you replace these internal components if they become seriously deteriorated.

We recommend thorough cleaning of all internal parts after each outing. It is important to disassemble the interior components and remove any food residue. A soft "Scotchbrite" pad or similar product may be used in this process. For heavier burned-on stains we recommend "Easy-Off Oven & Grill Cleaner" followed by thorough washing with soap and water, rinse with fresh water and dry. **AVOID CONTACT OF OVEN CLEANER WITH CONTROL VALVE, IGNITER ELECTRODE & WIRE, AND BOAT SURFACES. CAUTION: DO NOT USE ANY TYPE OF ABRASIVE PAD ON THE EXTERIOR MIRROR FINISH AS IT WILL SCRATCH THE SURFACE. USE ONLY A SOFT COTTON CLOTH.** We recommend covering the grill between uses. Grill covers are available at Magma retailers or directly from Magma. See our website, [MagmaProducts.com](http://MagmaProducts.com).

**Grill Grates** - Clean with brass wire brush while grill is warm. Use Oven & Grill cleaner for burnt-on residue. Wash with soapy water and dry prior to storage.

**Control Valve** - All valves are set and tested at our factory. Do not attempt to adjust or disassemble the valve in any way. Call Magma if you suspect it is not adjusted properly. Clean valve with a cloth and remove any debris obstructing the orifice.

**Repair/Replacement Parts** - All replacement parts are readily available at your Magma Retailers or directly from Magma. For a complete list of replacement parts visit our website [MagmaProducts.com](http://MagmaProducts.com).

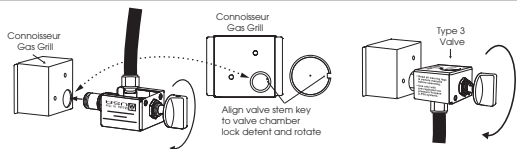
## USING GRILL WITH ON-BOARD LPG (PROPANE) SYSTEMS

- Magma On-Board LPG (Propane) Valves and Hose Kits allow Magma Grills to be installed within a boat's existing on-board, pre-regulated low pressure LPG (Propane) system.

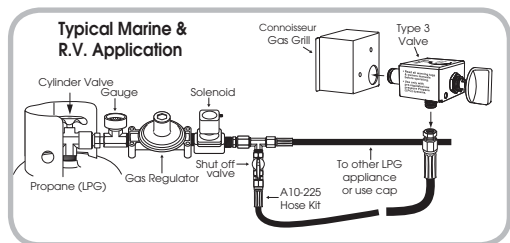
- Use only **Magma Type 3 Low Pressure LPG (Propane) Valves**. See our **Valve Application Guide** at [MagmaProducts.com](http://MagmaProducts.com) for correct valve.

- In North America use **Magma A10-225 LPG 10' Hose Kit** in conjunction with **Type 3 Valve**. Outside North America check your local dealer for proper hose and fittings.

- A primary shutoff valve (**supplied with A10-225 hose kit**) must be used with this control valve at point of connection into your system. This allows shut off of gas supply to hose leading to grill.



Insert valve as shown in diagram above. Valve may seem loose, this is OK. Valve does not have to be snug-fitting to be safe or function properly.



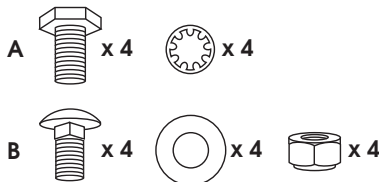
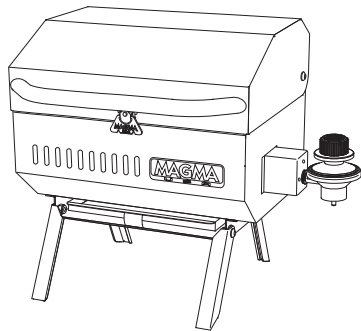
## USING GRILL WITH ON-BOARD CNG (NATURAL GAS) SYSTEMS

- For on-board CNG (Natural Gas) Systems, use Magma Type 4 X-Low Output - Low Pressure Natural Gas Control Valve. Check your local dealer for proper hose and fittings.

## TROUBLE SHOOTING GUIDE

Problem	Possible Cause	Possible Solution
<b>Burner will not light with match</b>	No gas flow  Obstructed gas flow	Check fuel level, replace canister or refill cylinder  Clean burner and valve orifice. Remove debris/spider webs
<b>Flare-up</b>	Excessive cooking temperature  Grease and/or residue build-up  Excessive fat in meats  Excessive oils in marinades	Operate only on low when lid is closed Reduce flame level Leave lid open Use water spray to cool  Clean components  Trim fat from cuts of meat before grilling  Use non-oil based marinades
<b>Yellow sooty flame</b>	Obstructed gas flow	Clean burner and valve orifice. Remove debris/spider webs
<b>Blow-out</b>	Flame too low  Wind directly on burner  Obstructed gas flow	Increase flame  Block wind when opening lid  Clean burner and valve orifice. Remove debris/spider webs
<b>Hot Spots</b>	Grill not level  Grease or residue build-up  Excessive fat in meats  Excessive oil in marinades	Level Grill  Clean components  Trim fat from cuts of meat before grilling  Use non-oil based marinades

# Contents



**A)** Pack of (4) 1/4"-20 x 5/8" hex head screws and internal lock washers for "Levelock" single mount application.

**B)** Pack of (4) 1/4"-20 x 5/8" carriage bolts, washers and lock nuts for dual mount and single mount applications and table legs.

## LIMITED WARRANTY

Magma Products, Inc. guarantees this product to be free from defects in materials or workmanship to the original consumer. This guarantee is for the periods herein specified when used under normal and reasonable conditions, one (1) year from the date of original purchase. This warranty does not include the cost of property damage or any inconvenience due to the failure of the product. Nor does it cover damage due to misuse, abuse, accident, or damage resulting from transportation of the product. Nor does it include damage resulting from the commercial use of this product. Nor does it include, on stainless steel products, "Surface Rust"; Excessive Corrosion due to exposure to salt water; or Discoloration or Corrosion caused by exposure to excessive heat or failure to properly clean and care for the stainless steel surfaces. If the product fails to operate due to a defect in materials or workmanship during the warranty period, the defective part will be repaired or replaced at Magma's option. If you wish to obtain performance under this limited warranty, you should contact Magma's Customer Service Department via telephone at (562) 627-0500, or via e-mail at [mail@MagmaProducts.com](mailto:mail@MagmaProducts.com), or via U.S. Postal Service mail at "Magma Products, Inc., Attention Customer Service, 3940 Pixie Ave. Lakewood, CA 90712". The defective part, along with proof of purchase, must be returned postage prepaid to Magma Products, Inc. We suggest that you keep your purchase receipt as we may require reasonable proof of purchase.

In the state of California only, if refinishing or replacement of the product is not commercially practicable, the retailer selling the product, or Magma Products, Inc., will refund the purchase price paid for the product, less the amount directly attributable to use by the original consumer prior to the discovery of the nonconformity. In addition, in the state of California only, you may take the product to the retail establishment from which it was purchased or to any retail establishment selling this product in order to obtain performance under this warranty. All implied warranties, including the implied warranties of merchantability and fitness for a particular purpose, are limited in duration to the express warranty periods specified herein for the parts described herein. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you. Neither Magma dealers, nor the retail establishment selling this product has any authority to make any warranties or to promise remedies in addition to or inconsistent with those stated above. Magma's maximum liability shall not exceed the purchase price of the product paid by the original consumer. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusions may not apply to you. The warranty gives you specific legal rights and you may also have other rights which vary from state to state.

MAGMA and the Magma logo are registered trademarks of Magma Products, Inc.  
TrailMate is a trademark of Magma Products, Inc.  
Patent pending.

**CALIFORNIA PROPOSITION 65 – WARNING** – The burning of gas cooking fuel generates some by-products, which are on the list of substances, which are known by the State of California to cause cancer or reproductive harm. California law requires businesses to warn customers of potential exposure to such substances. To minimize exposure to these substances, always operate this unit according to the use and care manual, ensuring you provide good ventilation when cooking with gas.

# MAGMA<sup>®</sup>

U S A

Magma Products, Inc.  
3940 Pixie Avenue, Lakewood, CA 90712 • USA  
Phone (562) 627-0500 • [mail@MagmaProducts.com](mailto:mail@MagmaProducts.com)  
[MagmaProducts.com](http://MagmaProducts.com)

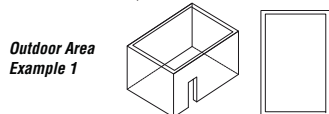


**ADDENDUM FOR GAS GRILL MODELS  
A10-801AU-1 and A10-801AU-3  
SOLD IN AUSTRALIA**

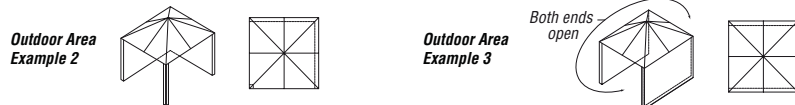
**CAUTION:** Accessible parts may be very hot. Keep young children away. **ONLY USE IN WELL-VENTILATED AREAS.** • CARBON MONOXIDE HAZARD-THIS APPLIANCE CAN PRODUCE CARBON MONOXIDE WHICH HAS NO ODOUR. DO NOT USE IN ENCLOSED AREAS, (FOR EXAMPLE: CAR, TENT, CARAVAN, MOBILE HOME) MAY CAUSE DEATH. This appliance shall only be used in an above ground, open air situation with natural ventilation, without stagnant areas, where gas leakage and products of combustion are rapidly dispersed by wind and natural convection.

Any enclosure in which the appliance is used shall comply with one of the following:

(A) An enclosure with walls on all sides, but with no overhead cover.

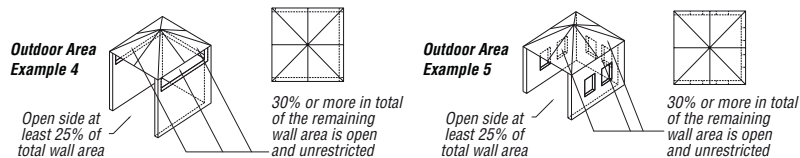


(B) Within a partial enclosure that includes an overhead cover and no more than two walls.



(C) Within a partial enclosure that includes an overhead cover and more than two walls, the following shall apply:

- (1) At least 25% of the total wall area is completely open.
- (2) 30% or more in total of the remaining wall side, back and front wall areas is open and unrestricted.
- (3) In the case of balconies, 20% or more of the total wall area shall remain open and unrestricted.



- Use appliance only in horizontal position.
- This appliance must only be serviced by an authorized person.
- Do not use this appliance if it has damaged or worn seals.
- Do not move this appliance during operation.

**FUEL CONTAINERS:** Change gas containers in well-ventilated areas, preferably outside, away from people & sources of ignition; such as naked flames, pilot flames, electric heaters/equipment. Do not use appliance if it is leaking, damaged, or not working properly. Check that burners are extinguished before removing gas container. To check if gas cylinder is empty, remove regulator/valve and shake listening for liquid in cylinder; if no liquid sounds are heard, cylinder is empty.

**GAS LEAKS: NEVER CHECK FOR GAS LEAKS WITH A FLAME!** Check for gas leaks by applying a soapy solution to connections. If bubbles appear, turn off appliance and repair leaks as necessary.

**HOW TO ISOLATE GAS SUPPLY IN THE EVENT OF A LEAK (smell of gas):**

**Cartridges:** If there is a leak on your appliance (smell of gas) and you cannot stop the gas flow, remove the appliance to a well ventilated location away from any ignition source.

Over

**Cylinders:** If there is a leak on your appliance (smell of gas), immediately attempt to turn off cylinder valve. Turn off appliance control valve. Remove appliance to a well-ventilated location away from any ignition source.

**STORAGE: NEVER LEAVE GAS CYLINDERS CONNECTED WHEN NOT IN USE!**

**Cylinders:** When you have finished using this appliance, turn gas cylinder off; wait for the flame to go out and turn the appliance control valve off. Remove appliance control valve from appliance and store control valve in a dry, non-corrosive environment. • Store fuel containers outdoors, in a well ventilated area, out of reach of children, never below decks on boats. (Any indoor storage shall comply with Section 2 Minor storage and usage of AS/NZS 1596).

**HOSES:** Only use the hose assembly as supplied with this appliance for connection to the cylinder. – DO NOT USE ADAPTORS. (RECA #719 AGA 3735 Regulator) Connections must be spanner tight per AGA requirements. Make sure gas hose is in good condition and avoid twisting or kinking.

**PACKING MATERIALS: BEFORE INSTALLATION OR USE!**

- Open package containing grill and components, remove all contents.

**Package contents:**

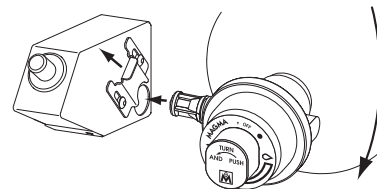
- Grill body
- Grill cooking grate
- Components package
- Remove grill from plastic bag.
- Open grill lid and remove, small, components package.

**Component package contents:**

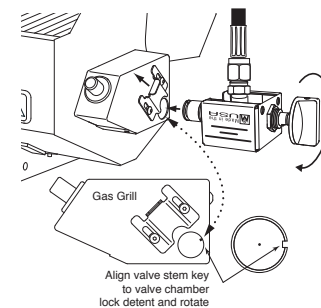
- Radiant burner plate and dome assembly
- Turbo venturi tube and control valve / regulator assembly
- L-bracket assembly, for attaching grill to mounting option
- Product owner's manual
- Remove all components from box and paper bags.
- All necessary assembly instructions are detailed in the provided owner's manual.

- Orifice size for models A10-801AU-1 is 0.66 mm.
- Orifice size for models A10-801AU-3 is 0.66mm.
- The nominal gas consumption for models A10-801AU-1 is 7.39 MJ/H.
- The nominal gas consumption for models A10-801AU-3 is 6.33 MJ/H.

**Coleman Type Disposable Cylinders**



**On Board Pre-Regulated Low Pressure Propane Systems (LPG)**



83-801AU 0814