Be kind...Air Kills Beer.SM

Leland Limited Incorporated
2614 South Clinton Avenue
South Plainfield, New Jersey 07080 USA

Corporate Offices 908.561.2000 09:00-1700 EST
CustomerCare Help 908.668.1744 0700-24:00 EST*

www.MrFizz.com

50500DirectionsREV 1 3/03

*We are committed to ensure your complete satisfaction and we have established this help line so that you can get answers to questions. This dedicated line is forwarded to a technician personally familiar with the product. They will receive a page within 10 minutes of your call and they will call back the number you leave during the posted hours and sometimes later.

Leland CO_2 PicnicTap™ Models:
50500 US Sankey Base
50511 Euro Base
50512 Twin Probe Base

INSTRUCTIONS FOR USE
WARRANTY AND REPAIR INFO
Important!

READ ALL INSTRUCTIONS AND WARNINGS BEFORE USE!

Thank you for purchasing our product. I am confident that this CO_2 PicnicTap™ will bring you years of satisfying results. It has been a quest since my college days to have a CO_2 tap that was portable and simple to use.

I have been to many tailgate parties from the prestigious Mooreland Farms Steeple Chase Races in Far Hills, New Jersey to the Rose Bowl in Pasadena, California. No matter where I go, I find people enjoy beer from a keg. Until now, having a compact and portable CO_2 system was just not practical.

Breweries are very quality conscience about their products as we are too. Your enjoyment of your favorite beer (or soda) is very important to me and the employees at Leland. We are also very concerned about your safety and urge you to take a moment to read about this product and the related safety messages contained in this pamphlet.

You may call our offices anytime you have a question or concern about our products. We do not have voice mail during business hours, just warm friendly people interested in helping you. We have been a leader in gas technologies since 1965.

Leland Stanford
President - CEO
908.561.2000 9-5pm M-F EST
boss@MrFizz.com

Purchase History

Date of Purchase _____

Where Purchased _____

Lot Number Data

_____

Service and Repair History

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Remember to take a moment to register your product.

It is our strict corporate policy to protect your privacy.
We will not share your data with anyone.
Guaranteed.

You can phone in a registration easily by calling 800.984.9793 24 hours a day. Just leave your name, address, phone number, and the above data. You'll receive a free gift within 10-14 days after successful registration! (You may volunteer your e-mail address, but we understand if you do not wish to.)

The Ice Chart

We want your beverage experience to be the best possible using this Leland CO_2PicnicTap™ equipment. The quality of the beverage depends greatly on your being able to stabilize it and keep it cold, 36º-38ºF to be exact. You cannot 'taste' the difference between 38ºF and 43ºF, but it makes a big difference to the beverage as to how well it stays fresh and carbonated.

Use a thermometer in a glass of poured beverage. Remember, the keg has a tube in it so the beverage draws up the tube from the bottom. Ice is required at the bottom of the keg. The outside temperature and size of keg will dictate how many pounds of ice you need.

	Outside average temperature						
Keg	**39ºF**	**46ºF**	**56ºF**	**66ºF**	**76ºF**	**86ºF***	
1/4	**10**	**20**	**30**	**40**	**45**	**50**	**Pounds**
1/2	**20**	**30**	**40**	**50**	**60**	**70**	**of Ice**

*A thermal keg blanket is suggested

Drain off water and re-pack base with ice for optimum cooling efficiency. Don't leave a keg in direct sunlight without a blanket covering it.

The payoff of using CO_2 is the ability to tap the keg again tomorrow and maintain the fresh taste you started with.

Just turn the regulator off, disengage the locking handle on the base, and remove the tap from the keg. The keg will seal itself immediately.

Clean the tap as directed.

Leave FAUCET open to dry thoroughly.

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WARNING!

KEEP FROM CHILDREN UNDER 18.

THIS DEVICE USES A HIGH PRESSURE DISPOSABLE CO_2 FILLED CYLINDER LABELED FOR A LELAND CO_2 PICNICTAP™. DO NOT USE ANY OTHER STYLE CYLINDER. CARE MUST ALWAYS BE TAKEN WHEN USING HIGH PRESSURE EQUIPMENT. NEVER POINT CYLINDER TOWARDS SOMEONE'S FACE. STOW COOL. DO NOT HEAT OVER 140F AS RUPTURE MAY OCCUR! DISCONTINUE USE OF THIS EQUIPMENT IF LEAKAGE OR VISIBLE DAMAGE IS EVIDENT. NEVER DISASSEMBLE OR MODIFY.

DO NOT ALLOW WATER TO ENTER REGULATOR. ALLOW TO THOROUGHLY DRY IF WATER ENTERS REGULATOR UNIT.

CAUTION: CYLINDER END BECOMES PUNCTURED WHEN TURNED INTO REGULATOR BASE. UNSCREWING CYLINDER BEFORE IT IS EMPTY CAN RESULT IN LOSS OF HIGH PRESSURE GAS. THE AMOUNT OF GAS IN THE CYLINDER IS PRE-MEASURED. ONCE CYLINDER HAS BEEN PUNCTURED, DO NOT REMOVE IT FROM THE REGULATOR UNLESS IT IS EMPTY AS LIQUID CO_2 CAN SPRAY ONTO UNPROTECTED SKIN CAUSING FREEZING BURNS.

EXTERIOR OF CYLINDER MAY BECOME FROZEN WHEN IN USE- THIS IS NORMAL, BUT DO NOT TOUCH WITH BARE HANDS, YOUR FINGERS COULD STICK TO THE FROZEN SURFACE AND CAUSE FROSTBITE. ONLY USE THIS DEVICE UPRIGHT AS THE LIQUID CO_2 IN THE CYLINDER WILL CAUSE THE REGULATOR TO MALFUNCTION.

REPORT MALFUNCTIONING DEVICES IMMEDIATELY. LOT NUMBER ON BOTTOM OF REGULATOR NEAR CYLINDER INLET. PLEASE REFER TO THIS NUMBER SO YOU CAN BE ASSISTED.

General Specifications:

Height: 26"
Weight: 1.35 Lbs 1200g
Gas Inlet: 5/8"-18unf1A
Inlet pressure rating: 1800 PSI
Rupture Disc release pressure: 7,000 PSI
Outlet pressure (max) 22 PSI
Gauge readings in PSI
Tap type: Restricted (Flow) rod type with mounted faucet, swivel base coupler. Three different couplers are available:

US Sankey- Most common to US Beers
Twin Probe- Accommodates many specialty beer.
European Sankey- Handles most imports

Drink4CheersNot4Tearssm

A message from the employees of Leland

Trouble Shooting

FLOW RATE - Can be increased or reduced by the pressure over the liquid in the keg. Run the risk of foaming with too much pressure.

CYLINDER DOES NOT PUNCTURE - There should be a silver PUNCTURE PIN inside REGULATOR INLET. If it is missing, contact us for service immediately. If the PUNCTURE PIN is present, then inspection of the cylinder needs to be made.

WARNING: Partially punctured CYLINDERS may be dangerous as a rapid and violent release of gas or liquid CO_2 may occur unexpectedly. Never point cylinder towards your face or persons nearby.

A partially punctured cylinder will exhibit a dent on the PUNTCURE CAP**.** Reinsert it into the REGULATOR INLET and turn in completely.

BEVERAGE DOES NOT FLOW - Make sure there is gas in the cylinder, first turn the REGULATOR KNOB on slowly while the FAUCET is open. Stop adjusting the REGULATOR KNOB when the flow begins. Make sure the LOCKDOWN HANDLE is in the *down* position otherwise gas and beverage will not flow.

GAS LEAKAGE - You can isolate the source of leakage by putting a soapy water solution on the suspected area. If bubbles emerge, then you have found the source. If the HOSE is leaking at a fitting, a small hose clamp may be added. If the device is leaking from the REGULATOR, stop operation and call us so that we can assist you properly. In most cases, we will provide a replacement component.

CAUTION: Do not use if leaking or damaged as personal injury may result.

Replacement parts are available by calling us or go to www.MrFizz.com

IMPORTANT CYLINDER DATA

The CO_2 filled cylinders are disposable and are not allowed to be refilled per US CFR 49. Punctured cylinders are considered to be empty. No residue remains in the cylinder after use.

The steel used is a low carbon type which will turn to rust quickly if disposed in a landfill. If your community requires recycling then strip off the label and put with normal household recycling. Please recycle whenever possible.

In the United States, anytime you ship a CO_2 TapGas™ cylinder by UPS ground, you must mark the outside of the carton with the mark as shown. If you plan to ship by air, you must tell the carrier what you are shipping. There are very different rules for air shipping, not just anyone can do it. If you need to ship a gas filled cylinder by air, please feel free to call us and we can assist you.

As of the date of this publication, the FAA prohibits passengers from bringing any gas filled cylinder on an airplane. Although our gas cylinders are in every inflatable life jacket on board, you will have cylinders confiscated if you attempt to bring them. Plan ahead and make sure your cylinders are available for your beverage event. We can help you get them there too.

Carbon Dioxide Gas is the entire contents of the Leland CO_2 TapGas™ cylinders. It is a non-flammable gas which is used in the beverage industry to carbonate beverages. Although it is not toxic, it will cause simple asphyxia if inhaled. We capture CO_2 from many sources, a kind of pre-recycling. Respect must be given to any high pressure gas cylinder. Promptly dispose of all used gas cylinders.

We will fax you our Material Safety Data Sheet for CO_2 any time, just call on us to assist you.

Unit Operation

NOTE: Please locate the PARTS DIAGRAM behind the next page. This will help your understanding of these operating instructions and warnings.

1. Turn the REGULATOR KNOB counter clockwise to the off position. The word OFF must be aligned with the arrow mark on top of the REGULATOR GAUGE.

IMPORTANT!
The REGULATOR KNOB turns the CO_2 gas ON and OFF. The pressure of the gas increases the more you turn the REGULATOR KNOB clockwise.

2. Ensure that the LOCKDOWN HANDLE is unlocked and in the up position so that the COUPLER LATCH is above the RETAINER. The LOCKDOWN HANDLE is moved by pulling out and then either up or down. Releasing it will allow the LATCH to engage.

3. Attach the COUPLER to the KEG by twisting it on. Usually this requires a firm motion by grasping the COUPLER and LOCKDOWN HANDLE.

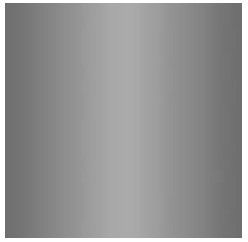
4. Secure the TAP to the KEG by pulling out on the LOCKDOWN HANDLE and pushing down, then release. The LATCH should clearly be below the RETAINER. If not, make sure the COUPLER is properly and completely engaged.

WARNING! Failure to properly secure the TAP to the KEG may result in a sudden and unpredictable release of pressure energy. Do not attempt to use an improperly secured device or personal injury may result to you or persons nearby.

Trouble Shooting

The CO_2 PicnicTap™ is engineered for commercial service and works very well in most climates. Beer is sensitive to changing conditions so we have included more points to cover as much as possible.

Please contact us if you need more explanation.



FOAM - A result of one or more of the following:

Temperature- The beverage temperature must be between 36º and 38ºF. A little water in the bottom of the keg container is OK, but too much water will act as an insulator. So, if the temperature of the beverage is too warm, you will actually hold that warmth in and you will melt ice very quickly. Drain off the water and remember: The keg has a siphon tube in it so the ice needs to be on the bottom to be effective. To get more ice to the bottom of the keg, use a stick to knock apart ice clusters. If you don't know the beverage temperature, pour some into a glass and use a thermometer. You cannot taste the difference between 38ºF and 41ºF.

Over-pressure-The pressure over the liquid beverage is too high. Turn REGULATOR KNOB OFF, counter clockwise. Open the FAUCET and pour the foam off until the flow of foam stops. Remember to bleed off pressure when first trying to tap a keg. Only turn REGULATOR KNOB on a little at a time with the FAUCET open.

Vibration- Kegs are very heavy containers to handle and as a result, care must be taken when moving them. Be prepared to let a shaken keg sit for an hour or two before tapping. Remember to relieve the excess pressure as soon as you lock down the COUPLER. Vibration from vehicles can cause some foaming too.

What do I get from a keg?

A US Barrel contains 31.5 Gallons. The chart below shows what to expect when pouring into an 8oz Pilsner glass with a 3/4" head of foam on it.

	Bullet	1/4	1/2
Gallons	5.0	7.75	15.5
8 oz Glasses *3/4"head	100	160	325*

These figures are approximate. The actual amount you get out of a keg depends on the size of the glass and how much foam or head is produced.

Preservation of the beer is essential.
Only CO_2 properly preserves beer while dispensing it. Never pump air against a beverage as you are only adding bacteria to a product that probably doesn't have any preservative in it!

5. Pull on the PRESSURE RELIEF VALVE RING for a couple seconds. If the KEG was shaken in transit or warmed, it may contain excessive pressure which must be relieved before trying to pour. A hissing noise is expected.

6. Remove the BLUE PLUG from the REGULATOR INLET and retain it for cleaning later.
Turn in a new Leland CO_2 TapGas™ cylinder clockwise firmly. This action punctures the cylinder and exposes the regulator to the high pressure CO_2 gas. (Don't stop turning if you hear a slight gas leak, rather, finish turning it in all the way to engage the internal seal properly)

7. Put a glass or pitcher under the FAUCET SPOUT and pull

the FAUCET KNOB forward. Beverage may begin to flow as foam for just a moment. Make sure the REGULATOR KNOB remains OFF. Usually, the beverage KEG has some initial pressure, enough to start a pour, albeit foam. Soon, the beverage will slow and then stop flowing.

8. With the FAUCET KNOB pulled forward (on), slowly turn the REGULATOR KNOB on, clockwise, until the beverage starts to flow again. **Do not continue adding pressure.**
Stop turning the REGULATOR KNOB when the pour begins. It doesn't take much to "push" the beverage out of the KEG. Adding too much pressure will foam the beverage and add too much carbonation to it. So, just set it and forget it!

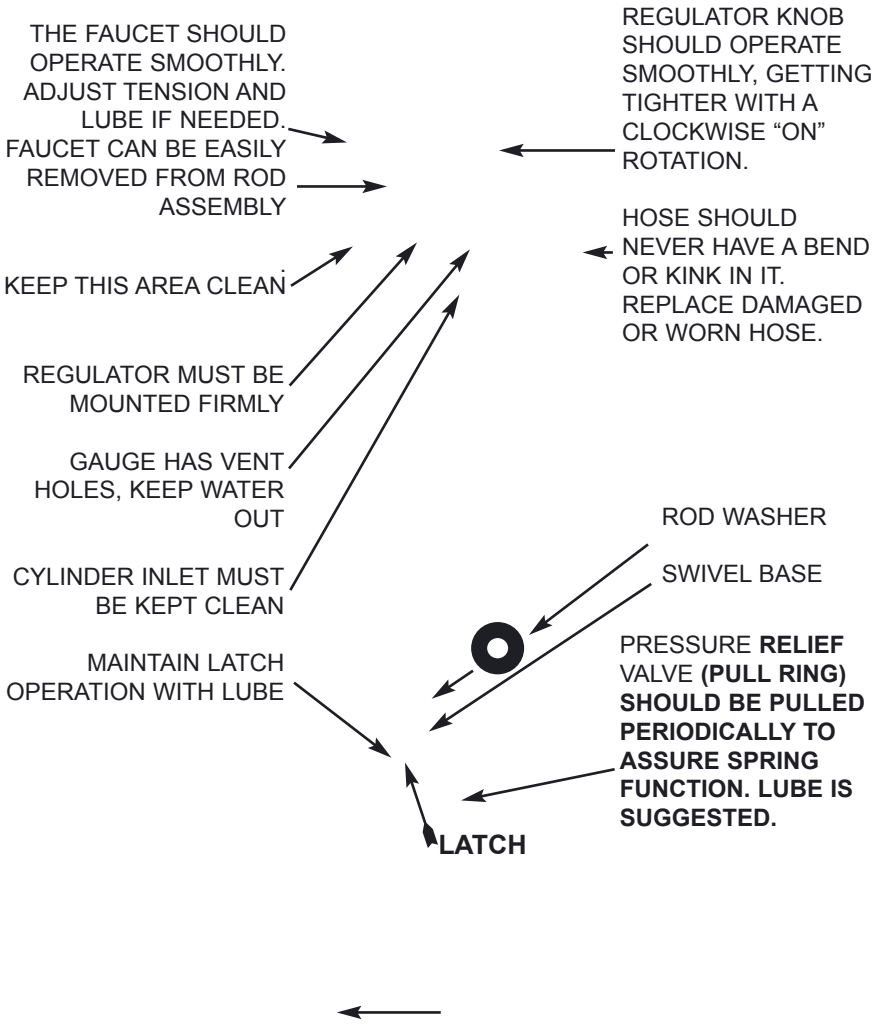
9. When the beverage flow slows or stops, try turning the REGULATOR KNOB on slowly. If no beverage flow, then the CYLINDER needs to be replaced. **CAUTION!** Removing a punctured CYLINDER from the REGULATOR should be done slowly. Listen for gas escaping. This is expected when the seal is being broken. When gas is audible, pressure remains.
It is normal to expel *some* gas when removing the cylinder.

10. Turn the REGULATOR KNOB off and install a new CYLINDER in the REGULATOR by following 6 - 8 above.

CARE AND MAINTENANCE-

WARNING: HIGH PRESSURE EQUIPMENT MUST BE REPAIRED BY OUR PROFESSIONALLY TRAINED STAFF OR OUR DESIGNATED DISTRIBUTOR USING PARTS LABELED FOR A LELAND CO_2 PICNICTAP™.

Read all warnings carefully.



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Really it is printed with an organic soy hemp ink that gets darker with age.

Please recycle this manual immediately after memorizing it, or pass it to a friend who needs something to read.

Please carefully tear out this page and mail to:

LELAND LTD INC
2614 SOUTH CLINTON AVE
SOUTH PLAINFIELD, NJ 07080

NAME _____

_____

_____

_____

e-mail: _____

Model ( ) 50500 US Sankey
( ) 50511 Euro Base
( ) 50512 Twin Probe

Lot No._____ Date:_____

Your information will not be released outside our company.

FREE GIFT! We appreciate you taking the time to mail this. We'll be sending along a nice "thank you."

Online registration is available too!

www.MrFizz.com

CARE AND MAINTENANCE

Cleaning after use.

1. Leave CYLINDER installed or insert blue plug in REGULATOR INLET. This will prevent water from entering the REGULATOR INLET.
2. Turn entire CO_2 PicnicTap™ upside down with the COUPLER pointing up.
3. Bring the LOCKDOWN HANDLE to unlocked position.(up)
4. Put several drops of liquid dishwashing soap into the hole at the bottom of the COUPLER. The soap will help neutralize the corrosive nature of beer.
5. Carefully pour some warm water into the COUPLER and with your finger over the hole, shake it to get the soap and water mixed in the ROD.
6. Open the faucet and pour more water through the COUPLER, this time with the FAUCET open. Rinse and leave everything open to air dry completely.
7. The exterior needs warm soapy water sponged on and then dried off after a rinse.

IMPORTANT:

Do not immerse REGULATOR in water.
It is a sensitive instrument and will not work if wet.
Allow regulator to thoroughly dry before use.

LUBRICATE SPECIFIED AREAS WITH VASELINE ONLY.
(USE VERY SPARINGLY)
DO NOT USE ANY TYPE OF OIL
OR AEROSOL LUBRICANT.

A CLEAN, WELL MAINTAINED TAP WILL LAST FOR YEARS.