



## ***MINI KEGERATOR***

***MODEL: BD-0538***



## **INSTRUCTION MANUAL**

***Please read the instruction manual carefully before installing and operating the beer cooler, and keep it for future reference.***

## ***INTRODUCTION***

This is a household beer cooler, equipped with a CO2 cartridge pressure system to keep beer fresh. It brings the beer to the best temperature for cold storage (0 to 4° C / 32 to 39° F) within 19-21 hours.

The beer cooler can keep the 5L Keg cool for an almost indefinite period. We do, however, suggest that you initially cool your beer keg for at least 12 hours in your refrigerator before placing it into the beer cooler.

## ***IMPORTANT SAFETY INSTRUCTION***

We have provided many important safety messages in the instruction manual for the beer cooler. Before use, please read and obey all safety rules and operating instructions; and keep the instruction manual in a safe place for future reference.

### ***Safety Instruction***

- Before use, check whether the power cord is well connected; if not, please do not use and call service center.
- If the supply cord is damaged, it must be replaced by the manufacturer, service agent or a similarly qualified person in order to avoid a hazard.
- Before use, check rating and confirm voltage. Dedicated circuit is recommended.
- Check that the plug conforms with the socket; if not, please do not use and contact a qualified electrician.
- Do not connect or disconnect the electric plug when your hands are wet.
- Place the beer cooler on a dry and horizontal surface.
- To ensure proper ventilation for the beer cooler, make sure the beer cooler is at least 5 inches away from walls/cabinets on all sides to allow proper ventilation.
- Do not place near heat sources such as ovens, grills or direct sunlight.
- Never cover the beer cooler when it is in operation.
- The beer cooler must be installed in an area protected from the elements, such wind, rain, water spray or drips.
- Always turn the unit off and unplug from outlet before cleaning. Failure to do so can result in electric shock or death.
- Do not immerse the beer cooler or power plug in water or other liquid.
- Do not use coarse cloth, abrasive stuff to clear the beer cooler
- Do not remove beer keg from the beer cooler if the keg is not empty.
- Do not remove the CO2 cartridge until the CO2 cartridge is completely empty.
- Do not use the CO2 cartridge if the room temperature is over 49°C/120°F. Failure to do so can result in explosion or death.
- Never allow children to operate, play with or crawl inside the beer cooler.
- This unit is not intended for use by persons, including children, with reduced physical, sensory or mental capabilities.
- This unit is not intended to be used by children. Children should be supervised to ensure that they do not play with this product.

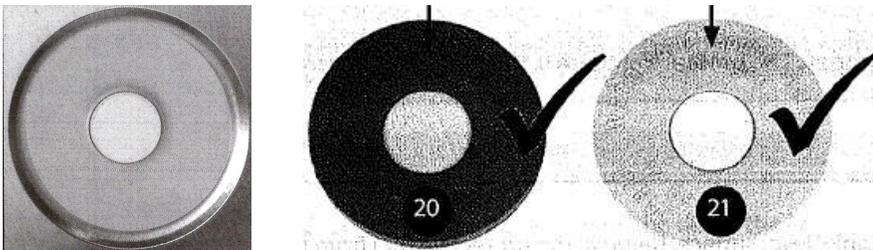
## **HOW TO SELECT A KEG**

- Sealed 5L universal mini keg and Heineken mini keg applies only
- Pay close attention to safety and storage messages about the keg / on the keg.
- Check that the keg is neither damaged, nor out-of-date before purchasing.
- Protect the top surface from being damaged. Otherwise it could be difficult to attach the suction tube.
- Keep the keg in a rather cold place for 12 hours, but not freezing (e.g. refrigerator), until next use.
- Never shake the keg before use
- Never put the beer keg in direct sunlight

## **BEER KEG SEALANT**

5-Liter beer kegs come with various plug sealants. You can use them with the beer cooler, however, you should follow the information below for installation.

\*The sealants with code No. 20 and 21 can be pierced simply by the cooler piercing pin.



\*The sealants with code No. 22 need to be removed off the marking ring from the sealant and pierce the keg by cooler piercing pin. (Show as figure 1)



\*The difference between code No 23 and 24 is the safety clasp quantity. Pull up the safety clasp carefully, turn around and take it out from the keg; replaced it by the sealant (like code No 2 sealant) provided in the beer cooler, attach it to the beer keg, and pierce it by cooler piercing pin. (Show as Figure 3).



Figure 1

(Important: Before replacing the sealants or piercing the cooler kit, you must always follow the instructions marked on the keg to eliminate the excess gas and ensure that the keg has rested long enough to avoid foam coming out through the cooler piercing pin /tap faucet. There is no need to release the gas and replace the seal rubber if you use Heineken keg, because Heineken keg has its own CO2 pressure inside. You do not need to connect the CO2 pressure system with the Heineken keg.

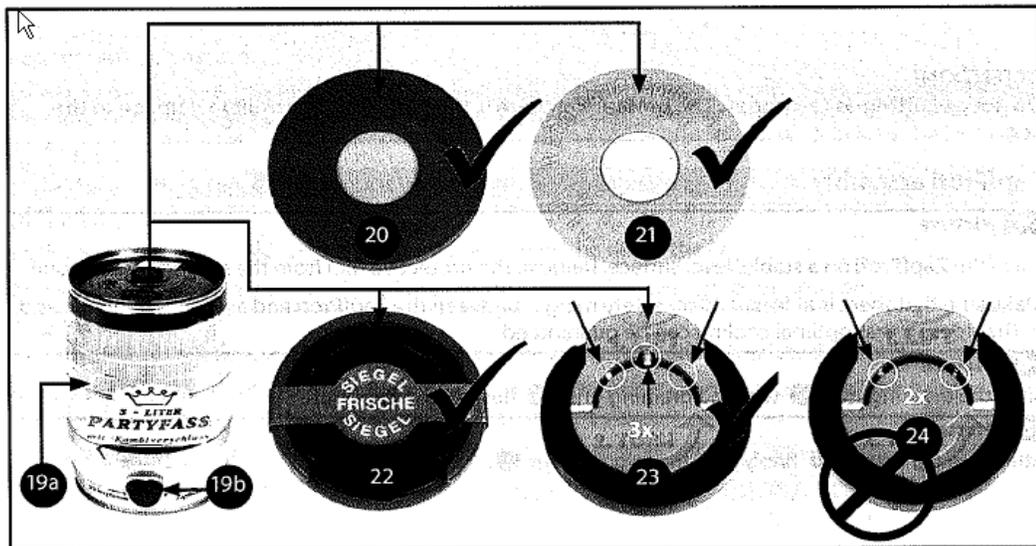


Figure 2



Figure 3

## **SPECIFICATIONS**

<b>Item</b>	<b>Descriptions</b>	<b>Specification</b>
1	Voltage	AC 110-120V/60Hz
2	Available capacity	5 liter beer keg
3	Rated operating power	65W
4	Cooling performance	36°F-53°F / 2°C-12°C
5	Noise level	≤38dB(A); (ambient noise ≤25dB(A))
6	Dimensions	10.71W*16.3D*16.93H in
7	Net weight	13.89 lb
8	CO2 pressure out unit	√
9	Stainless steel appearance	√
10	Aluminum radiator system	√
11	Semi-conductor cooling technology	√
12	Water conduction cooling system	√
13	LED display function	√
14	Manual drainage outfit	√
15	Detachable water drip tray	√
16	Temperature adjustable	√
17	Cool preservation system	PU insulation / Weight 310±5g
18	Climate type	N/SN

## PARTS & FEATURE

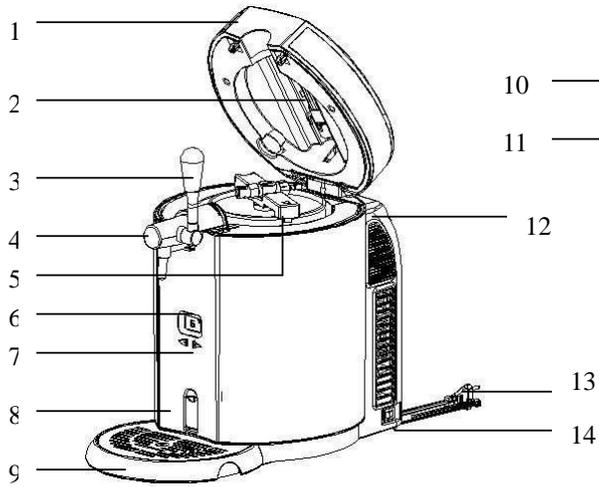


Figure four

1. Top cover
2. CO2 cartridge sheath
3. Tap handle
4. Tap
5. Keg lifter
6. LED display
7. Digital control button

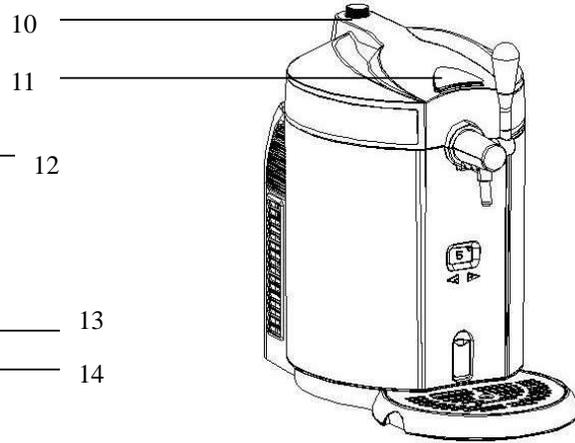


Figure five

8. Drain switch
9. Drip tray
10. CO2 pressure relief valve/ knob
11. Door lock button
12. Rear cover
13. Power cord & plug
14. AC power switch

# INSTALLATION & OPERATION

## A. INSTALLATION

1. Take the beer cooler out from its package. Place the beer cooler on a sturdy horizontal (flat) surface. Make sure the beer cooler is at least 5-inches/10 cm away from other appliances and walls on each side to allow proper ventilation.

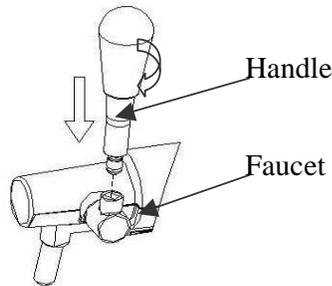


Figure 6

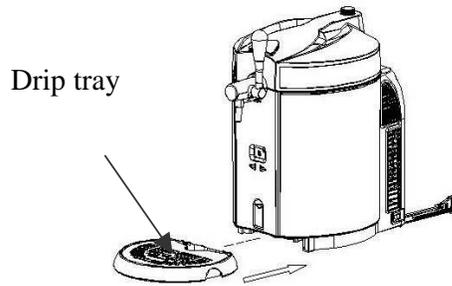


Figure 7

2. Install the tap handle to the faucet by turning clockwise, make sure both end fit together perfectly. (Show as Figure 6)

3. Set the water drip tray into the notch provided.(Show as figure 7)

4. Plug-in the beer cooler.

Note: Do not connect or disconnect the electric plug when your hands are wet. Before using it, make sure the voltage conforms to the plug mark. Check whether the power cord is well connected or not; if not, please don't use it, and call the service center;

5. Put 800ml (27-oz) of water into the cooling cavity. Do not pour the water past the max mark. (Show as figure 8) Unit can work without water, but cooling performance is best when used with water.

Note: Make sure the drain switch is at "Off" position, and no extra objects in the cooling cavity.

The max water level line

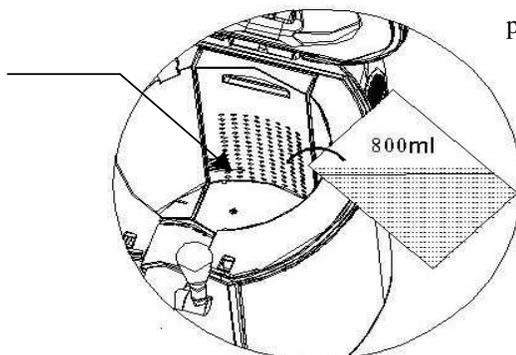


Figure 8

Make sure the drain switch is at "OFF" position.

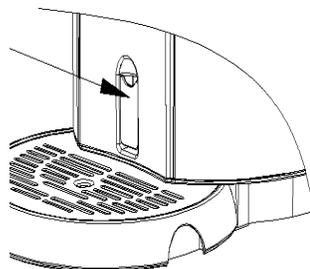
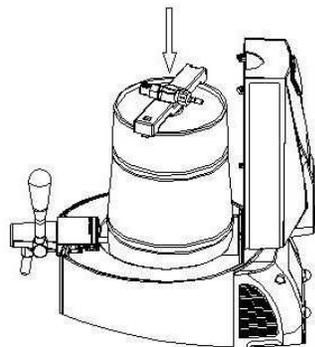
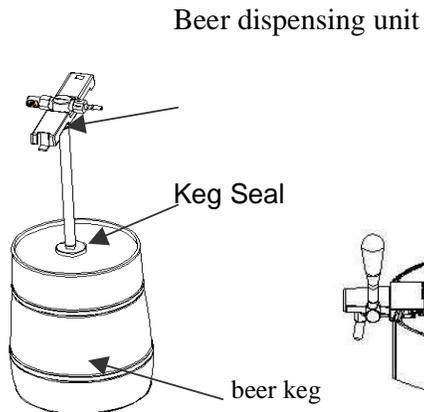


Figure 9

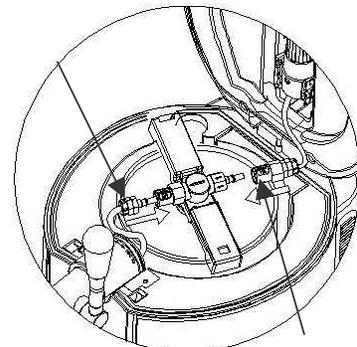
## B. OPERATION

### Universal 5L beer keg

1. Before piercing the plug on the top of the keg, you must always follow the instructions marked on the keg to eliminate the excess gas and ensure that the keg has rested long enough to avoid foam coming out through the tap faucet.
2. With the keg upright, place the piercing pin against the sealant on the upper center of the keg (you may need to tear off the marking ring or change a proper sealant), press the piercing pin/keg lifter to poke the seat and then push the piercing pin into the keg quickly. Press the tap mechanism until you hear a “click” sound that will indicate the tap mechanism is fixed on the beer keg. (Show as figure 10). Make sure both sides are securely attached.

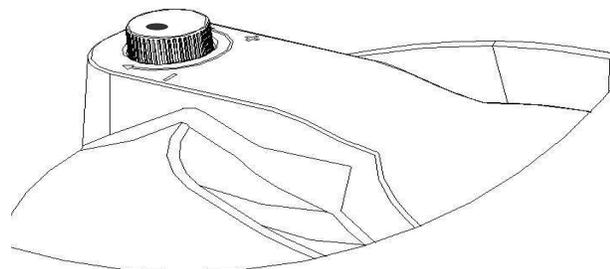
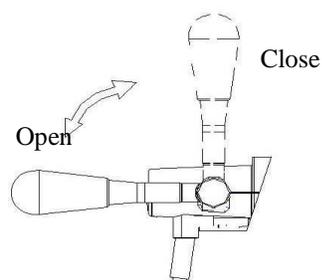


Beer connector



3. Open the beer cooler, by pressing the door latch button, and place the assembled keg into the cooling cavity; Connect the CO2 connector tube and beer outlet tube to the keg lifter tube connector.

NOTES: make sure all connection of tap mechanism is well connected, and without damage. And make sure tap valve is on close status, and the CO2 pressure regulator knob is at “Off” status.



4. Loosen the CO2 bottle sheath (Show as figure 15), insert a non-threaded 16 gram CO2 cartridge in the sheath (Figure 16), and screw the sheath tightly until you hear it “click” or “pop” (Figure 17), which indicates that the cartridge seal has been pierced and the CO2 gas can flow into the keg freely. Make sure the CO2 bottle sheath is fixed tightly to avoid CO2 leakage. Then put CO2 bottle sheath into the top cover.

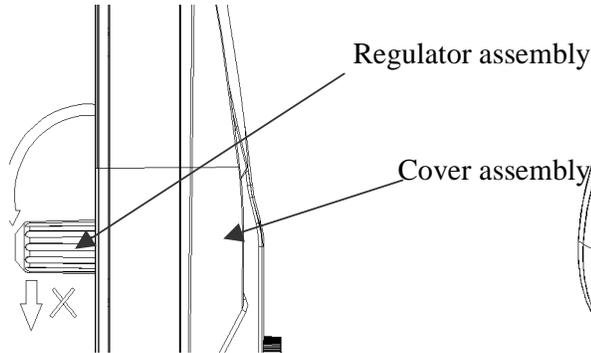


Figure 15

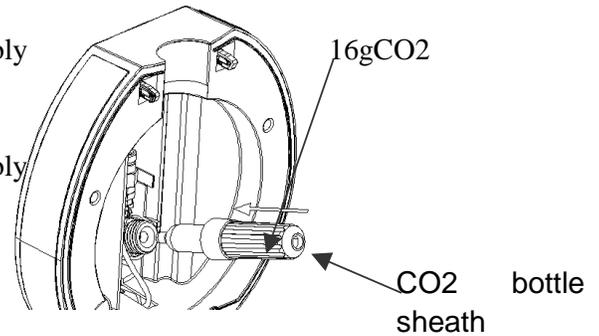


Figure 16

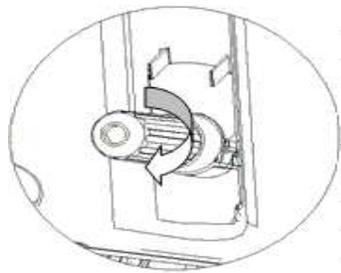


Figure 17

**Notice:**  
 \*Turn off the CO2 knob when cooling the beer  
 \*Turn off the CO2 knob when the beer flow is paused  
 \*Turn off the CO2 knob when changing the CO2 cartridge  
 \*When the beer cannot be tapped out (there is still beer in keg), or beer foams are not enough, turn the knob to “+” position for 5 seconds, then turn off it again.

Figure 18

5. Close the top cover of the beer cooler. When dispensing beer, turn the knob on the top cover to “+” position to release the CO2 (you will hear a hissing noise). When done, turn knob back to “-” position to close the CO2. Please refer to the notice label on the top cover.

6. Turn on the power switch to “I” position to power on the beer cooler. (“O” position is off).

**NOTES:** Please make sure your hands are dry when you operate the beer cooler, to avoid electric shock.

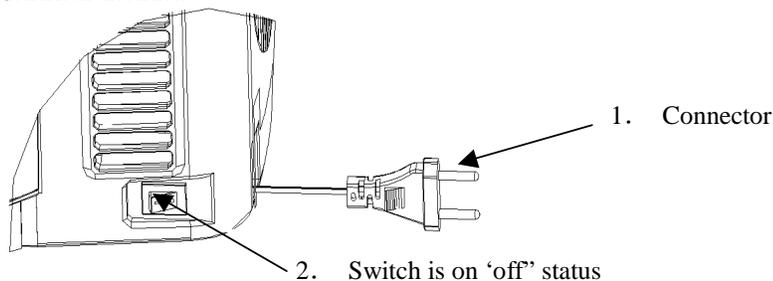


Figure 19

7. It will take 19-21 hours to cool the beer down to 35-50°F at 72-75°F ambient temperature. And it can keep the temperature as set and displayed on the LED. (The LED will display the real temperature of the beer). We do, however, suggest that you initially cool your beer keg for at least 12 hours in your refrigerator before placing it into the beer cooler, especially when the ambient temperature is higher than 77°F.

8. You can set the temperature to fit your taste. The temperature can be set from 36°F to 53°F (2°C to 12°C). Use the temperature adjusting buttons (+ and -) located next to the temperature display. The PCB has memory function, when you power on the cooler, it memorizes the last set temperature.

The LED will default display the real temperature of beer. You can see the set temperature by pressing “+” button, it will display the set temperature for 3 seconds then resume to display the real temperature.

### ***Preset Temperature***

The beer cooler has 6 preset temperatures.

Press “-” button 3 seconds, it enter the 6 preset temperatures, then you can press “-” button to choose a certain preset temperature, 40F, 46F, 48F, 50F, 52F and 54F.

Press “+” button 3 seconds,

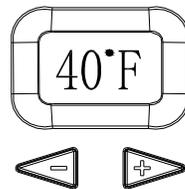


Figure 20

9. Adjust the CO2 pressure regulator knob to “+” position, to pour the beer out by pulling down the tap mechanism, and you can adjust the pressure regulator knob to control the beer flow rate and beer bubble;

Note: Clean the glass before pouring beer into it, if the beer cup/glass is in high temperature or if the beer is not cold enough, many bubbles will form when dispensing.

10. When taping the beer, lean your beer glass against the pouring spout and slowly straighten it up as the beer rises, then open the tap mechanism completely to avoid too much foam; It is advisable to pour half-glass, make a short pause before continuing the rest.

**NOTES:** Never immerse the pouring spout into the beer glass to avoid excess foam; Remember to lock the tap after finishing pouring.

11. It is normal to have more foam when pouring the first 3 cups of beer.

12. There will be a sharp and high-speed jet when pouring the last cup of beer from keg.

Please adjust the CO2 pressure regulation knob to “-” position to close the CO2 supply and reserve the CO2.

### ***Temperature Scale Display***

Press and hold “+” button for 3 seconds to switch temperature display between Fahrenheit and Celsius.

## C、 Heineken Keg

Heineken kegs are pre-charged with CO2 and do not require the use of a regulator. Do not install the CO2 cartridge. Leave the control knob in the off, “-”, position

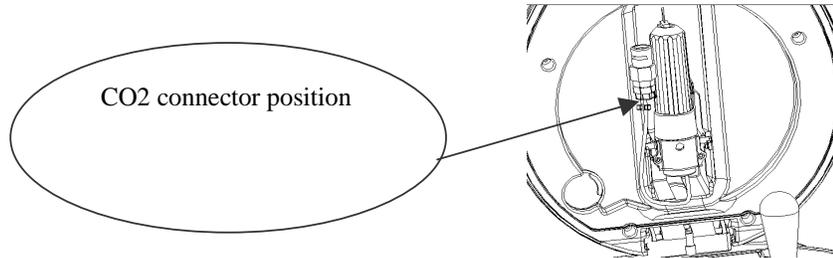


Figure 21

1. The Heineken connectors that come with your beer cooler can work with all Heineken 5 liter kegs. However you must use a flat head screwdriver to remove the green base from the keg, if it is already installed, in order to install the new connector provided with the beer cooler.
2. When installing our connector to the Heineken keg, you must first install the clear beer connector tube to the connector and one end to the tap mechanism, snap the beer connector to the Heineken keg adapter then place the adaptor onto the keg.

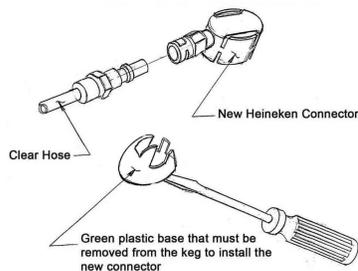


Figure 22

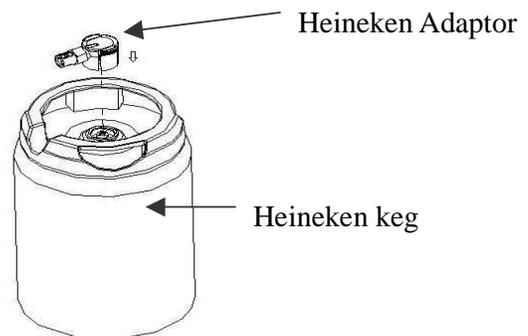


Figure 23

Note: Please take out the Heineken adaptor with collect ways, Press it according the arrow

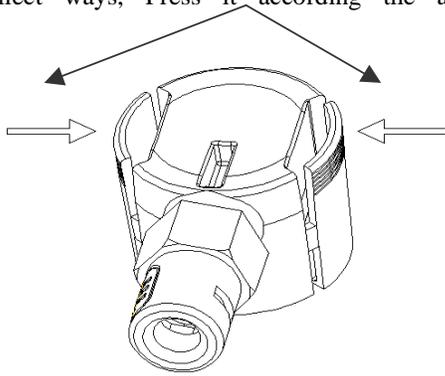


Figure 24

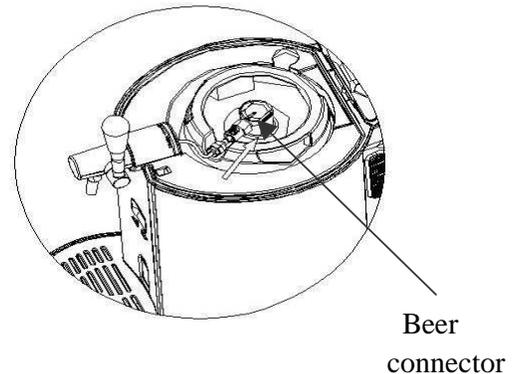


Figure 25

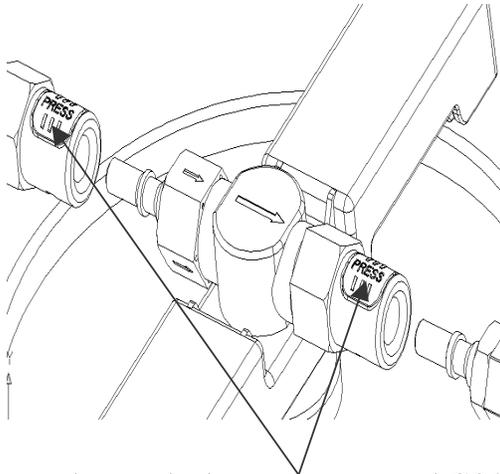
3. Close the top cover; operate it as above step 6-12, as the universal 5 liter keg, but step 9 is exception.

#### **D. TO CHANGE A NEW BEER KEG** (5 liter universal keg)

When the beer keg runs out follow the instructions below before installing a new beer keg.

1. Adjust the CO2 pressure regulation knob to “-“ switch to shut off the CO2 supply and reserve the CO2.
2. Open the top cover of the beer cooler, pull down the tap handle to release the remaining gas in the keg (there may be some beer bubble).
3. Disconnect the CO2 and Beer connectors from the Piercing Pin/Keg Lifter by pressing the white release buttons as shown on figure 26.
4. Use the keg lifter and remove the keg from the dispenser.
5. Disconnect the piercing pin from the keg (see figure 27).
6. It is recommended to clean the tap mechanism when changing the beer keg each time. Please refer to the below contents about cleaning.
7. Follow installation instructions for new keg.

When you take out the fastener of beer dispensing unit, you can move this unit towards arrow indication



When you take out the beer connector and CO2 connector, please press the white button down

Figure 26

You must take out the right fastener at first, then push the left fastener out as arrow indication, you can pull out the dispensing unit finally.

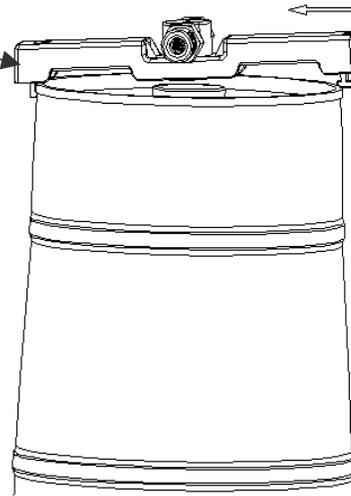


Figure 27

### **E. TO CHANGE THE CO2 CARTRIDGE** (Not needed for Heineken keg)

Please change the CO2 cartridge when beer cannot be dispensed - the CO2 pressure knob is at “on” position and there is beer in keg.

1. Turn the CO2 pressure knob to “-“ position to close the CO2 supply.
2. Open the top cover, loosen the cartridge sheath by rotating left (counter-clockwise), and take out the empty CO2 cartridge.

Insert a new 16g CO2 cartridge in the sheath, and screw the sheath tightly until you hear a “pops”, which indicates that the cartridge seal has been pierced and the CO2 gas can flow into the keg. Make sure the bottle sheath is fixed tightly to prevent the CO2 from leaking. Then put CO2 bottle sheath into the top cover.

3. Close the top cover of beer cooler;
3. Turn the CO2 pressure knob to “+“ position to turn on the CO2 supply, cooler is now ready to dispense beer.

**Reminder:** each 16g CO2 cartridge can pressure more than 5 liter of beer.

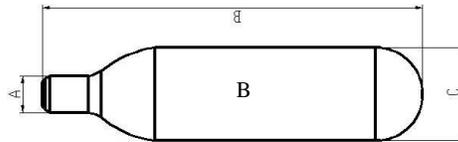
**Warning:**

1. Please use a qualified and approved CO2 cartridge. It should be Beverage grade.

The CO2 cartridge information below is for your reference. Never use a Nitrogen gas cartridge in the beer cooler to avoid an explosion, because of its much higher pressure. Also do not use CO2 cartridges designed for air guns as they may contain oils.

2. Do not use any CO2 cartridges that may have been tampered with or are damaged. Any misuse may cause serious injury.

**16g CO2 Cartridge**

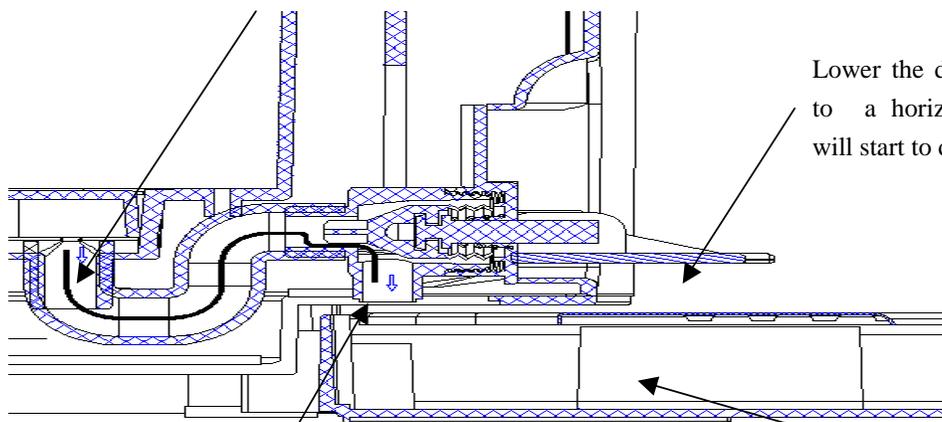


NW (g)	Volume (ml)	GW (g)	Cartridge Weight (g)	. A (mm)	B (mm)	C (mm)	D (mm)	Pressure (Kgf/cm2)	Blast pressure (bar)
15.5	20	57.0	42.0	Ø8.6	88.0	Ø21.7	10	60	450
16.5		58.6	42.6	Ø8.9	89.0	Ø22.0	11		

**F : REPLACE WATER INSIDE THE COOLING CAVITY**

It is recommended to replace the water inside the cavity once a week. (There is no need to replace the water when switching the beer keg)

Open the drain switch, water flows into the S shape drainpipe from this end



Lower the drain switch down to a horizontal line. Water will start to drain.

Water flow into drip tray from this end

Drip tray

Figure 28(Sketch map of drain construction)

1. Open the drain switch to drain out the water from the cavity into the drip tray. Make sure the drip tray is inserted into the notch to avoid spilling water on the counter. The drip tray can hold 15oz (450ml) water so you may need to do this twice.

2. After all the water has drained out, lift the drain switch to closed and put 800ml fresh water into the cavity.

**NOTE:** Alternatively, instead of using the drip tray, you may place the drain hole above your sink or other similar location that allows you to drain all the water at once.

**Warning:** Clean water is necessary. Make sure the drip tray is inserted into the notch after draining.

## **CLEANING BEER TAP MECHANISAM**

The Beer cooler hoses should be cleaned often for best results and to avoid any health hazards. They need to be cleaned before the first use and after long periods of time between uses. Clean the outside of the machine with dry cloth. Recommended cleaning steps as follows:

1. Fill the cleaning bottle with warm water.
2. Connect to the end of the piercing pin, squeeze the water into the pin to clean the pin tube and push the water out from the beer tube. Repeat this until the beer tube is clean (need 3 bottles warm water at least).
3. Clean the beer tap mechanism as figure 30. Note: Please open the tap when cleaning. (Show as figure 29)

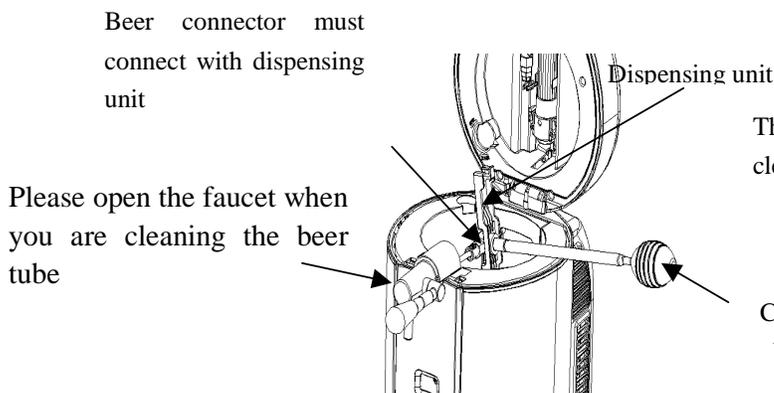


Figure 29

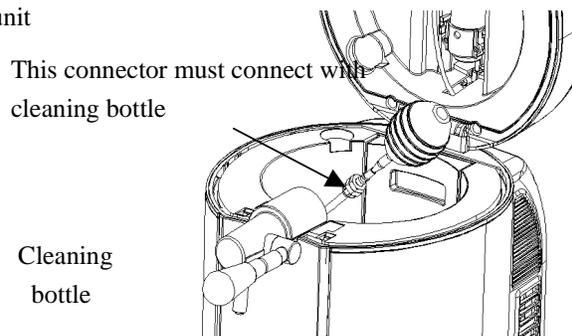


Figure 30

### **Warning:**

Never put the tap mechanism parts in the washing machine or dishwasher;  
Never use a chemical cleaning detergent to clean the parts, warm or purified water is recommended.

## **CHANGE SPARE PARTS**

### **ACCESSORIES INCLUDED WITH YOUR BEER COOLER**

Items	Name	Qty.	Installment	Picture	Spare parts
1	Connector seal	6	Regulator valve		5pcs
2	CO2 connector	2	Regulator valve		1pcs
3	Beer tube	2	Beer-out connector		1pcs
4	Tube seal circle	4	Beer-in pipe		3pcs
5	Keg seal	2	Standard tub		2pcs
6	Heineken adaptor	2	Heineken tub		1set
7	CO2 cartridge	3	Regulator valve assembly		3pcs
8	Cleaning bottle	1			1pcs

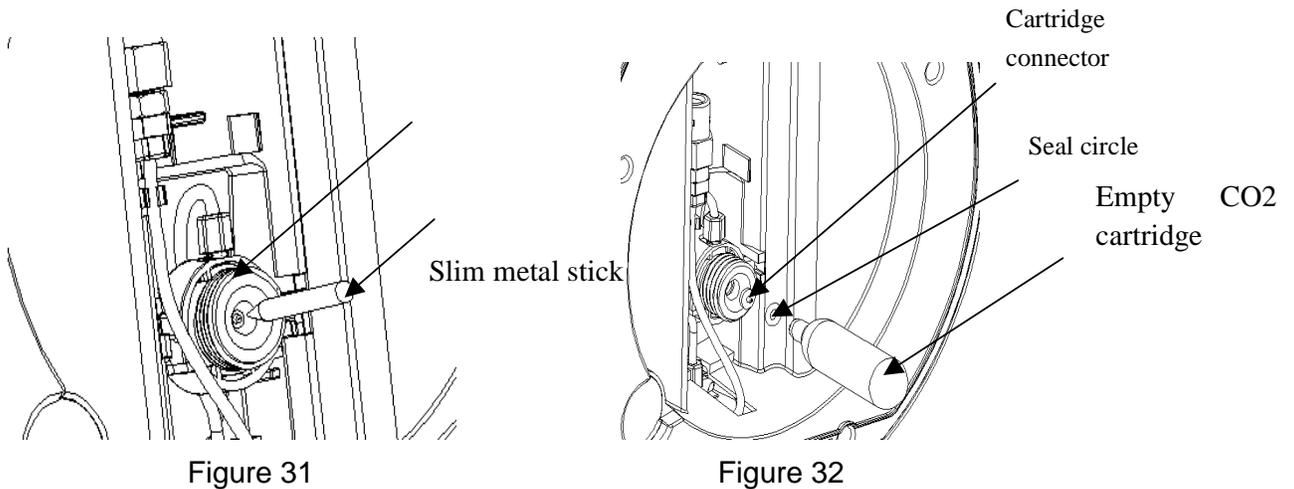
#### **A、 Cartridge Regulator valve: CO2 connector and Connector seal washer**

CO2 Cartridge piercing probe and connector seal washer maybe damaged when used improperly, from general wear and tear, and other reasons.

1、 First, pick out the connector seal washer with a tiny metal stick(Show as figure 31), and take out Cartridge piercing probe. Be careful not damage other parts of regulator.

2、 Install a new cartridge piercing probe in the regulator (leave the sharp end facing outwards), and install the seal washer (Show as figure 32). Don't remove other parts of the regulator in the replacing process.

Regulator  
assembly



**Warning:** Remember press the seal circle with empty cartridge instead of new cartridge, or will cause hazard.

### B. TO CHANGE BEER TUBE(show as figure 33)

Please replace the beer tube if beer tube is damaged and leaking.

1. Loosen the tube from connection: 1, Pull out the lock setting. Once off, draw the tube out. (you may need to wiggle the lock setting while pulling)
2. Unscrew the nut at connection 2, and draw the tube out.
3. Replace a new beer tube, and install the beer tube according with reverse procedure.

**NOTES:** Don't move other screws when processing tube replacement, otherwise, it may cause the beer leakage or gas leakage

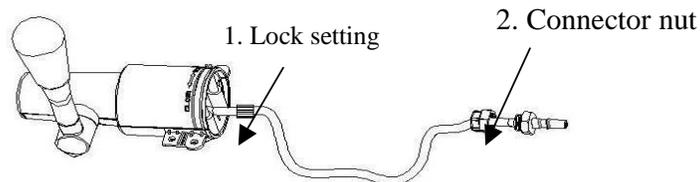
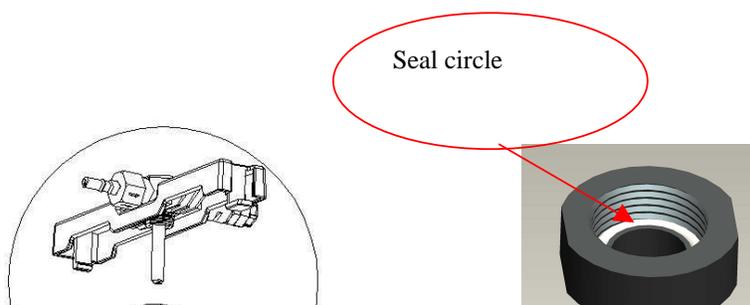


Figure 33

### C. Replace the seal circle of beer tube(Show as figure 34)

Replace the seal circle of beer tube if the connector has a leak

1. Unscrew the beer tube as indicated in the below figure
2. Take out the seal circle of beer tube
3. Replace a new seal circle in the same position
4. Turn the seal circle tightly to avoid any leakage



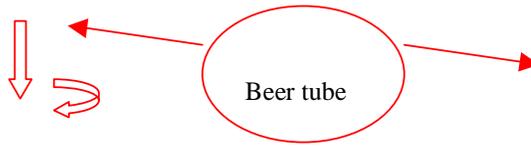


Figure 34

## **MAINTENANCE**

If the beer cooler does not work properly, please call the service center;  
 To save time and money, before you call for service, check the Troubleshooting Guide.  
 It lists cause of minor operation problems that you can correct yourself.

### Troubleshooting

Trouble	Cause	Troubleshooting
The tap does not work / can't pour beer out	<ol style="list-style-type: none"> <li>1. The pouring tube has a poor connection or CO2 supply is cut off</li> <li>2. No keg or no beer in the keg;</li> <li>3. No gas in the CO2 cartridge</li> <li>4. The CO2 pressure regulator knob is closed</li> </ol>	<ol style="list-style-type: none"> <li>1. Reconnect the pouring tube and CO2 supply</li> <li>2. Change a new keg</li> <li>3. Change a new CO2 cartridge</li> <li>4. Turn the CO2 pressure regulator knob on "+" position</li> </ol>
Too much bubble pouring out	<ol style="list-style-type: none"> <li>1. Use a wrong way to pour beer out</li> <li>2. The beer temp is high (better at 3-5C)</li> <li>3. The keg was shaken before usage</li> <li>4. Almost no beer in the keg</li> <li>5. Too much pressure in the keg</li> </ol>	<ol style="list-style-type: none"> <li>1. Use the right way to pour beer out</li> <li>2. Cool the beer down to 3-5C</li> <li>3. Put the beer keg aside a while till no bubble inside</li> <li>4. Change a new keg</li> <li>5. Adjust the pressure knob to "-" direction to decrease the pressure or close the knob</li> </ol>
Beer flows out too slowly	<ol style="list-style-type: none"> <li>1. inside CO2 pressure isn't high enough</li> <li>2. The connection tube or pouring tube is leaking</li> </ol>	<ol style="list-style-type: none"> <li>1. Adjust the pressure knob to release more CO2 pressure or replace with a new one.</li> <li>2. Check whether the tube is leaking or not, if so replace the tube</li> </ol>



## ***Your Guarantee***

If this product is found to be faulty as a result of faulty materials or workmanship within one year from date of purchase, it will be repaired free of charge.

This guarantee is subject to the following terms:

- Sunpentown must be notified of the fault.
- Proof of purchase must be presented to Sunpentown's nominated representative.
- The warranty will be void if the product is modified, misused or repaired by an unauthorized person.
- The warranty after repair will not be extended beyond the original one-year period.
- All replacement parts will be new or reconditioned.
- Parts, which are replaced, become the property of Sunpentown.
- The warranty applies for the use of the product in the USA only.

What is NOT COVERED:

- Warranty does not include freight charges.
- Damage due to installation error, product abuse and/or misuse.
- Incidental or consequential damage caused by possible defects with this product.
- Labor cost incurred for the installation and/or removal of a possible defective unit.
- Damage to product caused by improper power supply voltage, accident, fire, floods or acts of nature.
- Failure of product resulting from unauthorized modifications to the product.
- Improper installation or failure to perform the necessary maintenance.
- Normal wear and tear on parts or replacement of parts designed to be replaced.
- Damage to personal property from use of product.
- Replacement or repair of household fuses, circuit breakers, wiring or plumbing.

This GUARANTEE is in addition to your Statutory Rights

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