



KL20671

Instruction Manual

KegLand Distribution PTY LTD

www.KegLand.com.au

 **WARNING** 

IF THE BENCHY HAS JUST BEEN MOVED DO NOT TURN ON UNLESS IT HAS BEEN STANDING UPRIGHT FOR 24 HOURS. FAILURE TO DO SO WILL VOID WARRANTY. STAND THE BENCHY IN THE UPRIGHT POSITION FOR 24 HOURS BEFORE PLUGGING INTO THE MAINS SOCKET

 **WARNING** 

ENSURE THAT THERE IS ALWAYS ATLEAST 100MM OF CLEARANCE ON EACH SIDE OF THE BENCHY TO ALLOW ADEQUATE AIRFLOW. NOT ALLOWING ADEQUATE VENTILATION WILL REDUCE PERFORMANCE, INCREASE POWER CONSUMPTION AND VOID WARRANTY

 **WARNING** 

PERFORM A PRESSURE /LEAK TEST PRIOR TO USE

 **WARNING** 

DO NOT EXCEED GAS PRESSURE AND WATER PRESSURE STATED ON THE DATE PLATE

 **WARNING** 

ONLY CLEAN PRODUCT LINES WITH COLD TO WARM WATER. DO NOT USE HOT WATER TO CLEAN THE PRODUCT LINES.



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Important Warnings

Before Installation:

1. Let the Benchy Sparkling sit for at least 24 hours after delivery or after sitting on its side before turning the unit on.
2. Ensure the under-counter cupboard or bench top can support the weight of the Benchy Sparkling when full of water.
3. Ensure there is adequate ventilation (at least 100mm on each side of the Benchy Sparkling)

Do not exceed the pressures which are stated on the data plate.

Do not set the reservoir temperature to below 2°C

Installation Check List

- I have checked that the under-counter space or bench top can support the weight of the unit when full.
- I have ensured there is a minimum of 100mm clearance on each side of the unit.
- I have stood the unit upright for minimum 24 hours before switching on.
- I have ensured the mains water supply and CO2 gas supply remain off during assembly.
- I have ensured the mains water is off and the system is completely depressurised prior to removing any hosing from push in fittings.
- I have set the reservoir temperature to 2°C or greater
- I have not exceeded the pressures which are stated on the data plate on the unit.
- I have read and followed the instruction manual in its entirety and will now conduct a leak test prior to leaving the unit unattended.

The Benchy Sparkling is the easiest way to setup a sparkling water system. You can be enjoying chilled sparkling water in under 1 hour with this setup.

Click the link below for an in-depth instructional video:

[Benchy Sparkling Instructional Video](#)

Fill the Reservoir

Fill the reservoir tap water. Do not fill the reservoir with glycol as dropping the temperature to below 0°C will freeze the water inside the carbonation keg.

The reservoir can easily be accessed flipping the service hatch on the top of unit. Add water to the reservoir using a jug or funnel as shown below until the cooling coils are completely submerged. Check for any leaks after fill



Benchy Sparkling – Bench Top Setup

The Benchy Sparkling can be tucked away cleanly under a counter or it can be displayed and used on the bench top as a benchtop sparkling and still water dispenser.

To use the Benchy Sparkling as a benchtop dispenser it requires the SPARKLING OUT and CHILLED OUT lines to be redirected to shanks and taps inserted into the front of the Benchy Sparkling.

The following items (sold separately) are suggested to install the Benchy Sparkling as a bench top dispenser:

2 x NukaTap Flow Control ([KL15523](#)) + 2 x NukaTap FC Auto Close Springs ([KL17985](#))

2 x 100mm Duotight Long Shank S.S

2 x Tap Handles of your choice.

1 x 7 in faucet tap wrench/spanner tool ([KL07672](#))

A sharp Stanley knife or a 2 in 1 tube cutter ([KL07689](#)) will also be required to shorten the length of the sparkling water OUT and cold still water OUT tubing.



Shanks and Taps Installation

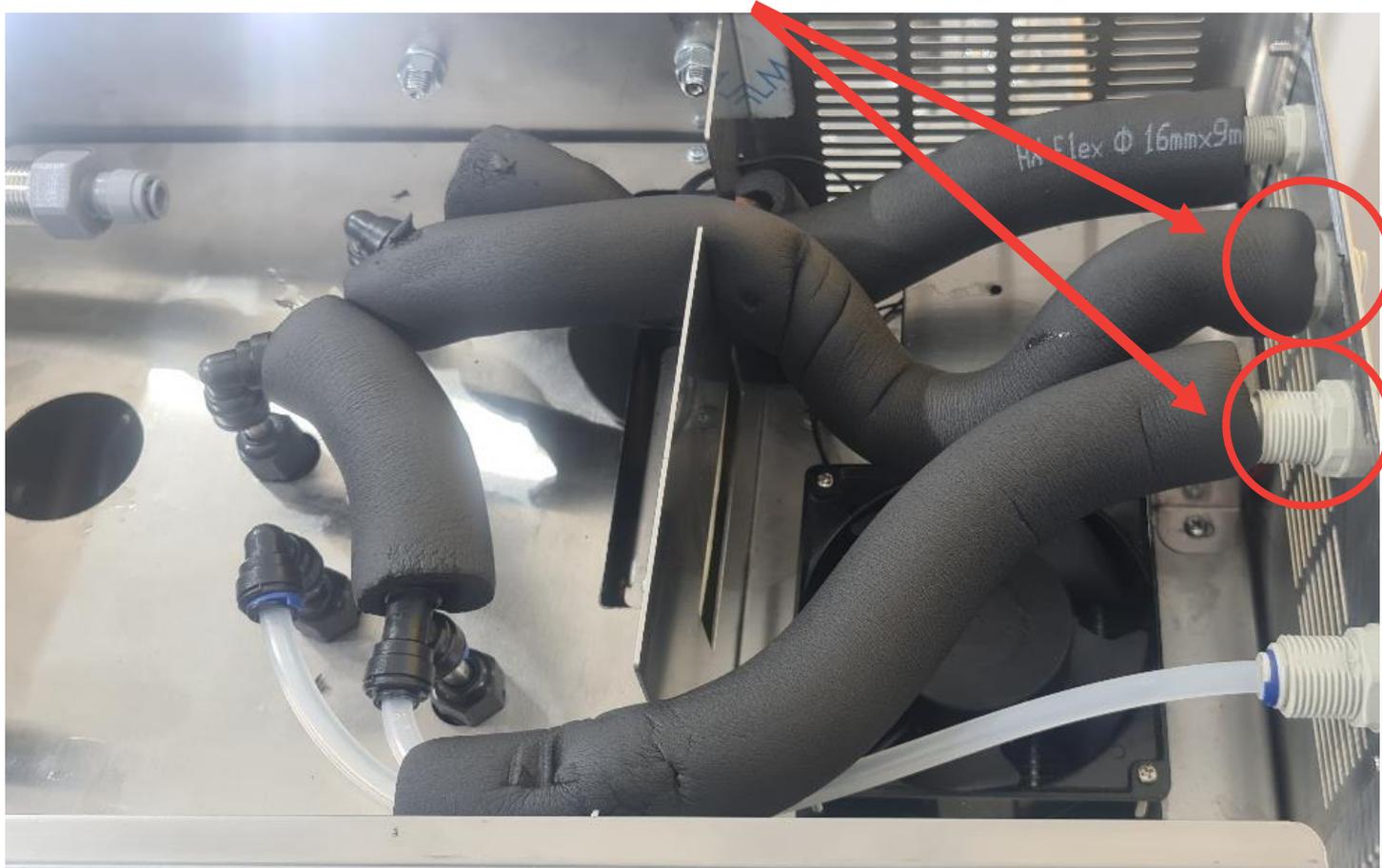
1. Remove the two plastic plugs on the front of the Benchy Sparkling by pinching the raised clips on the back of the plugs together.
2. Insert the 100mm duotight long shanks into the pre-cut holes.
3. Secure the shanks using a 5/8" Lock nut and firmly tighten the duotight fitting onto the short shank thread.
4. Tighten your Flow Control NukaTaps onto the shank firmly with a 7 in 1 tool ([KL07672](#)).
Note: The NukaTap FC needs to be very tight to form a seal.
5. Redirect the SPARKLING OUT and CHILLED OUT hosing and push firmly into the duotight fittings on the 100mm duotight long shanks.



Redirecting the SPARKLING OUT and CHILLED OUT Hosing

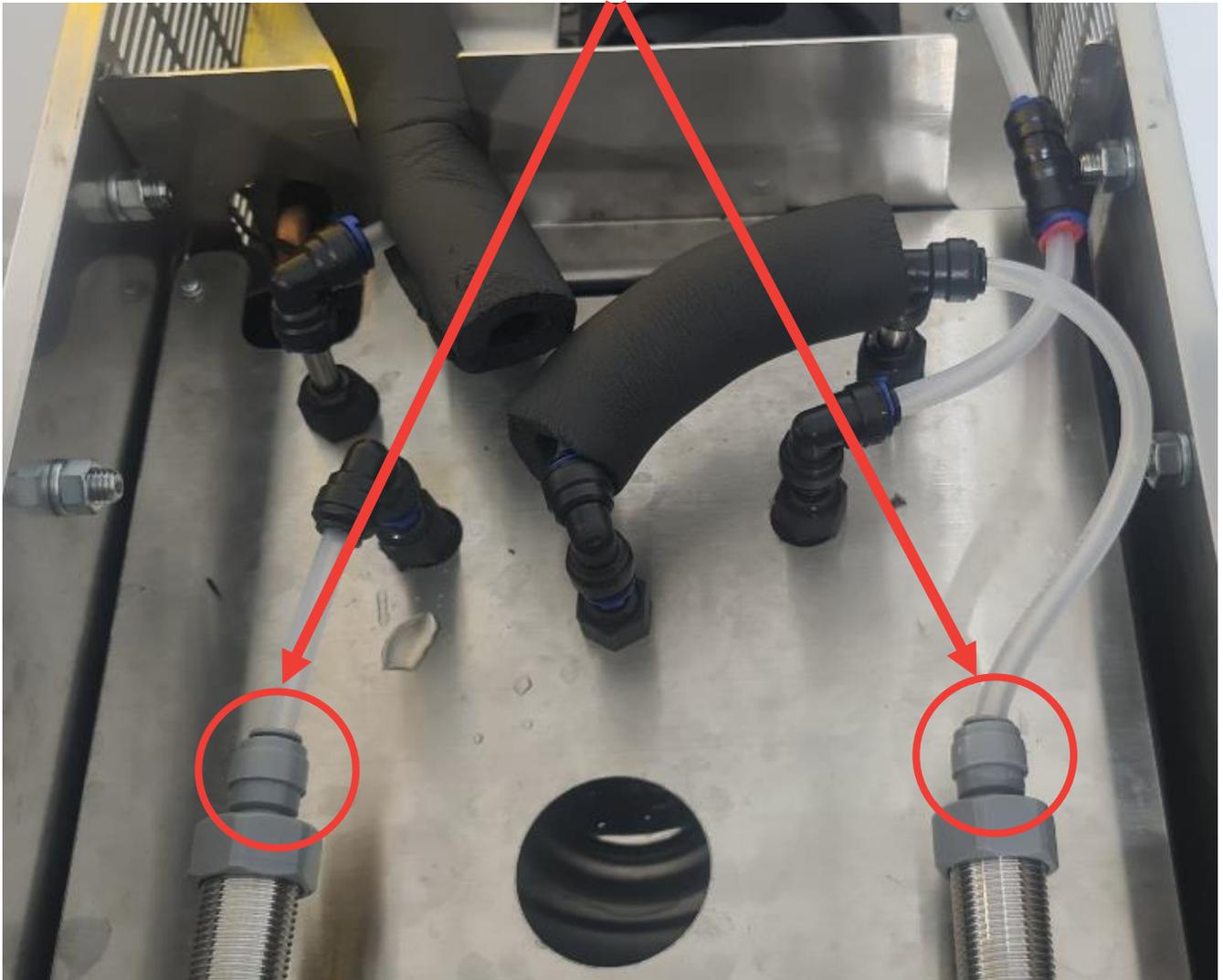
1. Ensure the mains water and CO₂ gas supply are turned off or disconnected and the soda carbonator keg is completely depressurised before removing any tubing from the push in fittings.
2. Remove the 4mm x 8mm EVABarrier tubing from the bulkhead of the sparkling water OUT and cold still water OUT push in fittings on the back of the Benchy Sparkling. To correctly remove the tubing from the push in fitting refer to the push in fittings instructions below.
3. Cut down the EVABarrier tubing using a sharp Stanley knife or 2 in 1 tube cutter such that the length is long enough to reach to the shank. Ensure the tubing is cut cleanly and straight with no burrs.
4. Insert the sparkling water OUT and cold still water OUT tubing securely into the duotight fittings on the back of the shanks. To correctly insert the tubing into the duotight fitting refer to the [push in fittings instructions](#) below.

Remove hosing from SPARKLING OUT AND CHILLED OUT push in fittings



Benchy Sparkling - under bench dispensing plumbing

Redirect hosing to from CHILLED OUT and SPARKLING OUT into the push in fittings on the long shanks



Benchy Sparkling - benchtop dispensing plumbing

Removal of EVABarrier Tubing from push in Fittings

1. Remove the blue locking circlip on the collet of the push in fitting.
2. Press the collet into the push in fitting and at the same time pull back on the hose.



Insertion of EVABarrier Tubing into push in Fittings

1. Use a sharp knife or 2 in 1 tube cutter to ensure the tube has a clean, straight cut with no burrs. Do not cut at an angle.
2. Push the tube into the push in fitting ensuring that the tubing is pushed in past the o-ring to its full depth.
3. Check for a good connection by gently pulling back on the tube. If the tube comes out of the push in fitting, reinsert into the fitting ensuring the tube is pushed far enough into the fitting.

Benchy Sparkling – Under Counter Setup

The Benchy Sparkling is ideal for dispensing both sparkling water and cold still water from the one compact unit.

Dispensing Chilled Still and Sparkling Water

Sparkling Water Out Plumbing

Insert 4mm x 8mm ID EVA Barrier hosing (sold separately [KL06224](#)) into the SPARKLING OUT push in fitting. Attach this 4mm x 8mm ID EVA Barrier Tube to your sparkling water tap.

If your tap features a 6.3mm OD fitting then the 4mm x 8mm ID EVA Barrier hosing can be stepped down using a duotight 6.35mm x 8mm reducer ([KL07481](#)) sold separately.

Chilled Still Water Out Plumbing

Insert 4mm x 8mm ID EVA Barrier hosing into the CHILLED OUT push in fitting. Attach this 4mm x 8mm ID EVA Barrier Tube to your chilled still water tap.

Dispensing Sparkling Water Only

The Benchy Sparkling can also be used to dispense only sparkling water if preferred. To achieve this, simply plug the chilled still water OUT push in fitting with an 8mm plug which is provided with the Bench Sparkling.



Mains Water Installation – Bench Top and Under Counter Setups

Before connecting your mains water up to the Benchy Sparkling ensure that the sparkling water and cold-water outlets are connected to a tap or plugged and all push in fittings are connected and all hosing is secure.

IMPORTANT: For first time setup, keep the mains water supplying the Benchy Sparkling off until the unit has been connected to all dispensing taps and CO2.

An easy way to redirect your mains water is to install a diverter valve with ¼ inch push in fitting ([KL17756](#)) onto your mains water supply valve which has a ½ inch thread. 4mm x 6.35mm (1/4 inch) PE water line ([KL11143](#)) is suggested to be used between the diverter and the Benchy sparkling.

It is suggested that the pressure of your mains water supply is reduced to 10-15 psi higher than the pressure set on the CO2 regulator. To reduce the mains water pressure, we would recommend using an inline regulator with a 0-150 psi mini gauge ([KL15035](#) and [KL15011](#)). It is also suggested that a check valve is placed between the mains outlet and the soda carbonator. We recommend using a duotight check valve that is easy to install in line with your hosing ([KL07047](#)).

Push your water line securely into the water inlet push in fitting on the Benchy Sparkling (Outlet 4 in Figure 1).

CO₂ Gas Cylinder and Regulator Installation - Bench Top and Under Counter Setups

Tightly connect a type 30 regulator ([KL07429](#)) to your CO₂ cylinder ([KL01489](#) or [KL01496](#)) and ensure the regulator pressure adjustment knob is turned completely counter clockwise to set the pressure at 0psi. Push 8mm OD EVA Barrier tubing into the duotight fitting on the regulator and then push this tubing into the gas inlet push in fitting on the Benchy Sparkling (outlet 1 in Figure 1).

IMPORTANT: After you have attached your Benchy Sparkling to your dispensing taps and connected your Gas supply and mains water supply EVA Barrier hosing to the push in fittings on the unit it is important to perform a leak test on the system. Failure to do so could result in your CO₂ cylinder emptying faster than expected or water leaks occurring.

Leak Testing - Bench Top and Under Counter Setups

It is essential to perform a pressure (leak) test prior to dispensing any sparkling or cold still water from the Benchy Sparkling.

The Benchy Sparkling need to be pressure tested to a pressure that is at least 1.5 times the pressure that will be used for dispensing. For example, if your dispensing pressure is 70 psi then the pressure test should be conducted at around 100psi.

A pressure test can be conducted via multiple methods which are outlined below. It is a good idea to perform both of the pressure test methods to be certain the system is holding pressure:

Pressure decay test

Step 1. Ensure mains water into the Benchy Sparkling is turned off, the regulator adjustment knob is turned fully counter clockwise and the unit is connected too all dispensing taps.

Step 2. Set the pressure on the regulator to 1.5 times the dispensing pressure by turning the adjustment knob on the regulator clockwise.

Step 3. Turn the gas cylinder off and leave to sit for a few hours (overnight is preferred). Then check if the pressure on the regulator has decreased from the set pressure.

If the pressure has dropped then this indicates that there is a leak in the system. The source of this leak needs to be determined and fixed before proceeding.

Bubble (Air-leak) test

Step 1. Ensure mains water into the Benchy Sparkling is turned off, the regulator adjustment knob is turned fully counter clockwise and the unit is connected too all dispensing taps.

Step 2. Fill the reservoir with water until the cooling coils are submerged.

Step 3. Set the pressure on the regulator to 1.5 times the dispensing pressure by turning the adjustment knob on the regulator clockwise.

Benchy Sparkling - Instruction Manual

Step 4. Spray all connections with soapy water and look for the formation of bubbles. This includes all push fit connections and connections between the regulator and CO2 cylinder.

If bubbles are formed at any of these connections this indicates a leak which needs to be fixed.

Step 5. Look for the formation of bubbles in the water in the reservoir. Air bubbles being formed in the reservoir indicates a leak from the 2L Ball lock keg inside the reservoir.

Adjusting the Reservoir Set Temperature

The reservoir ideally should be set at 2°C to ensure the sparkling/still water within the soda carbonator keg is cold without freezing the reservoir or carbonated water.

The reservoir should not be set below 2°C as there is a risk of the water freezing which can damage the Benchy Sparkling.

To change the reservoir set temperature refer to the following instruction manual.

[KegLand STC1000 Instructions](#)

Benchy Sparkling Initial Startup Procedure

1. Ensure the mains water supply and CO2 gas supply are turned off and the Benchy Sparkling is connected to your dispensing taps.
2. Set the pressure on your CO2 regulator to your desired carbonation level (30-50psi). A higher gas pressure correlated to a higher carbonation level and fizzier water.
3. Turn your mains water supply on and set the water pressure using an inline regulator to about 10-15 psi higher than the pressure set on your CO2 regulator.
4. Open your taps for a few seconds to purge any air which is in the hosing between the Benchy Sparkling and the tap.
5. Enjoy a continuous supply of cold soda water and cold still water.

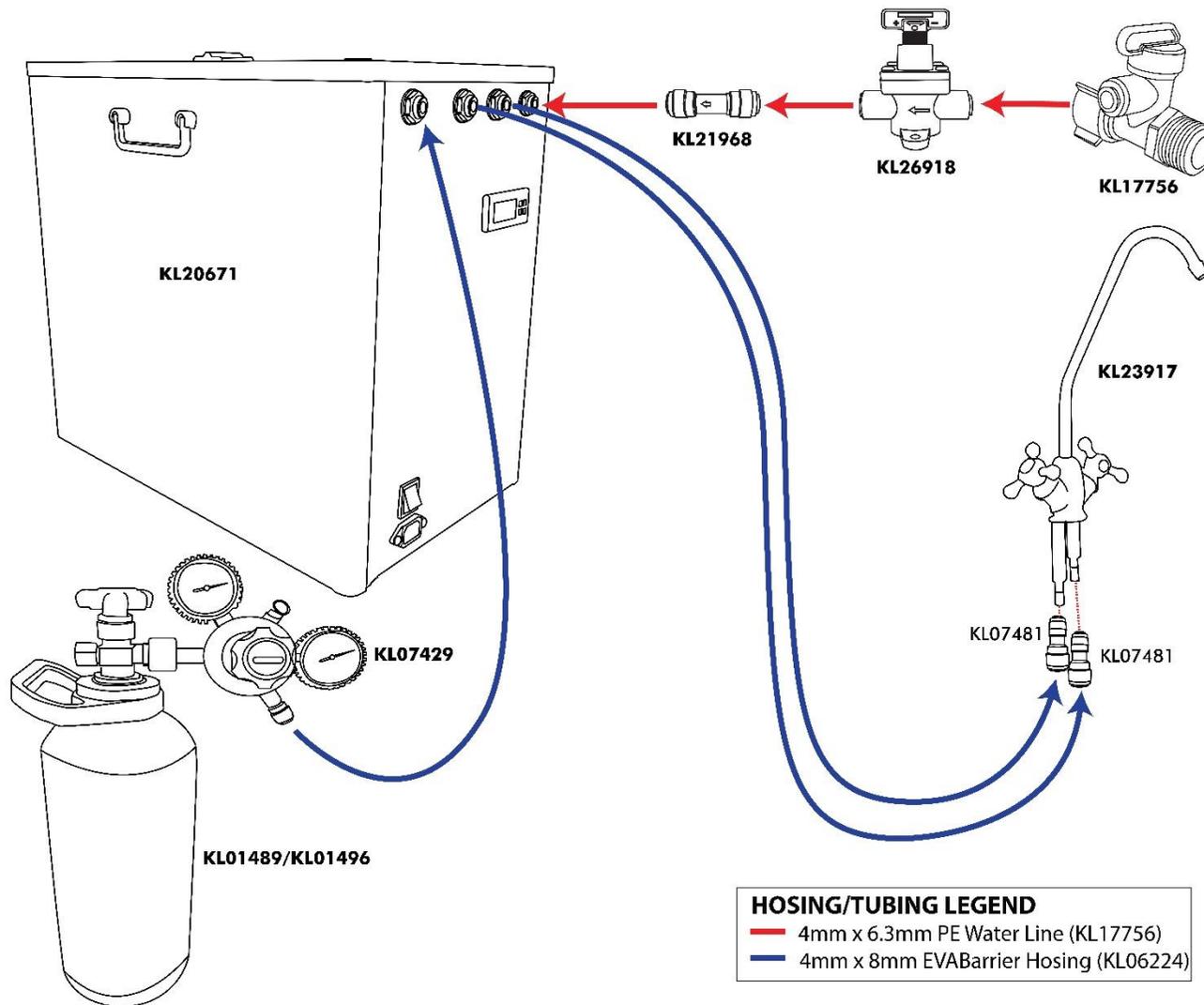
Expected time to carbonate after initial setup

After setting up your soda carbonator it may take up to 24 hours for the water to be fully carbonated.

Plumbing options without access to a mains water supply

If you do not have access to a mains water supply for example if you are using tank water or bore water, we would suggest using a 12V self-priming diaphragm pump to increase the water pressure to 10-15 psi above the pressure on your regulator. It is suggested that the pump you choose has an output pressure of at least 80psi and it has an auto pressure switch. The auto-pressure switch ensures that the pump provides a constant water pressure and switches off once that pressure

Benchy Sparkling Under Counter Plumbing Diagram



Warranty (Australia)

The Benchy Sparkling comes with a 12-month Warranty when sold in Australia.

Warranty does not cover product failure as a result of installation or operating procedure not in accordance with installation and operating guidelines as described in the instruction manual.

To lodge a warranty claim in Australia please forward as many visual pieces of supporting information and a detailed description of your issue to beer@kegland.com.au

If you purchased your unit from an international distributor, you will be required to go through their warranty claims process. For a full terms and conditions, please visit our website here -> [Terms & Conditions](#)