KEGLAND SERIES X PLUS KEGERATOR

Instruction manual

For our 4 & 6 Tap Home Keg Systems

Need a hand? We're local and happy to help.

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This is the manufacturer's original manual, supplied by Tap That Brewery & Keghouse.
Always follow the manufacturer's safety and installation instructions.
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Series X Plus Kegerator

Instruction Manual

KegLand Distribution PTY LTD

www.KegLand.com.au

WARNING

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

WARNING

CO_2 GAS CAN BE DANGEROUS. MAKE SURE TO ALWAYS USE CO_2 IN A WELL-VENTILATED SPACE.

NEVER EXCEED 40PSI ON YOUR KEG SYSTEM.

FLUSH OUT CHEMICALS FROM YOUR BEER LINE COMPLETELY BEFORE TAPPING KEG.

ALWAYS THOROUGHLY CHECK FOR GAS LEAKS ONCE YOU HAVE SET UP YOUR SYSTEM.

WARNING

ENSURE THERE IS OVER 100mm CLEARANCE ON EITHER SIDE OF THE FRIDGE TO ALLOW FOR ADEQUATE AIR FLOW AND VENTILATION

YouTube

Watch our helpful instructional YouTube Videos

Video instructions now available. The KegLand YouTube Channel (https://www.youtube.com/KegLand). You can find the link on our website www.KegLand.com.au

If there is any part of these videos above that you do not understand or you cannot access please call or email www.KegLand.com.au or your nearest KegLand Distributor for more assistance.

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Keg Types

Prior to setting up the kegerator it is important to understand the difference between the two categories of kegs that exist and the fittings which are required to carbonate and dispense from these. You will need to match the fittings to the keg type you are using. There are two main categories of kegs which come in multiple sizes.

1. Commercial Style Kegs

Commercial kegs come in a variety of sizes; 20L, 25L, 35L and 50L. The 50L size is the most common size that you will come across. Commercial kegs come in three main styles; A-type, D-type and S-type. These three types of commercial kegs can be distinguished by the shape of their spear (shown below). Within Australia the A-type and D-type kegs are the most common. You will need to buy the specific keg coupler to fit the keg type, make sure that prior to buying a kegerator that you know which type of 50L keg you will be using and which keg coupler is required to dispense from this keg.

A-Type Keg





D-type Keg





S-type Keg



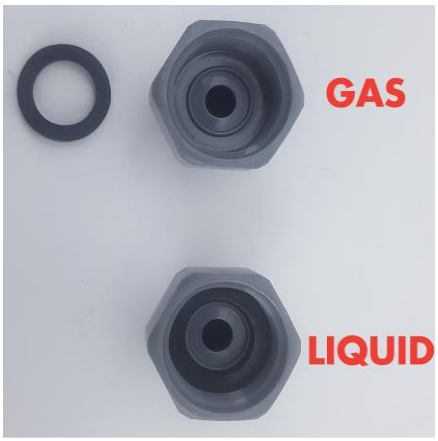


Once you have matched the correct keg coupler to the keg you will need to set up the commercial keg coupler. On a keg coupler there is an inlet for gas and an outlet for liquid. The gas inlet is positioned on a 45-degree angle and the liquid outlet is positioned vertically. It is important to connect the gas line and beer line to the correct inlet and outlet. This is described in the image below.

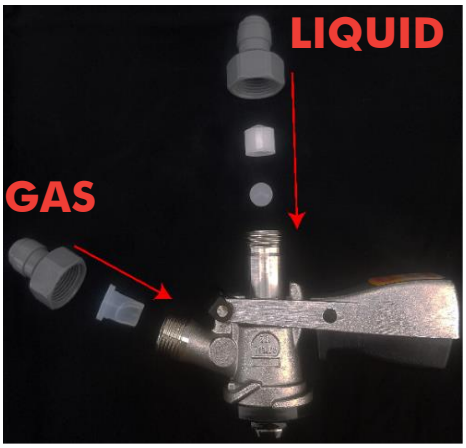
Keg Coupler Assembly

Inside the box of a KegLand keg coupler you will find two types of one-way check valves; gas duck bill valve and a liquid torpedo check piece. The duck bill valve is used for the gas inlet and the torpedo check piece or non-return ball is used for the liquid outlet. In a homebrew setting it may only be necessary to use a check valve in the gas inlet to prevent liquid flowing back in to the regulator.

To install the gas duck bill valve, remove the black EPDM washer from inside the 5/8” duotight fitting on the gas inlet and then insert the gas duck bill valve into the opening (as shown below). Then screw the duotight fitting back onto the coupler. To install the liquid torpedo check piece, remove the 5/8” duotight fitting keeping the black EPDM washer in place, then insert the ball and cage (in the order shown below) and then finally screw the duotight fitting back onto the coupler.



Remove 5/8 EPDM washer from gas 5/8" duotight



Insert check valves into keg coupler

How to Use Keg Couplers

Prior to attaching the keg coupler onto the keg make sure that a gas line is connected to the gas inlet and this gas line is connected to a regulator and a beer line is connected to the liquid outlet and this beer line is connected to a tap. Attaching the keg to the keg coupler is usually the last step of the kegerator setup.

A-type keg coupler: Slide the keg coupler over the groove on the top of the keg then firmly depress the handle to tap the keg.

IMPORTANT: To fit a 50L keg with an A-type keg coupler into a kegerator or if your keg is a DIN style keg (tall skinny style) you will need to use a Low-profile elbow bend (KL00390).

S-type and D-type keg couplers: Push the coupler into the opening of the spear and then rotate firmly clockwise to attach the coupler to the spear. Then Firmly depress the handle to tap the keg.

More detailed instructions on how to assemble and operate a keg coupler can be seen in this video

https://www.youtube.com/watch?v=qmDYgCPUDuQ

Alternative Ways to Connect EVABarrier Hose to a Keg Coupler

There are various methods of attaching tubing to a keg coupler other than a duotight fitting.

It is highly suggested to use a low-profile elbow bend (KL00390) on the liquid outlet of the keg coupler. This will result in the keg being a lower profile making it easier to fit a 50L keg in the fridge. You can then either connect a duotight fitting (KL06903) to the low-profile elbow bend or you can convert the keg coupler into a quick disconnect fitting.

If you are going to be continuously disconnecting EVABarrier tube from the keg coupler or if you want the beer line setup in the fridge to remain setup with ball lock disconnects then it is suggested to screw on ball lock posts onto the keg coupler or low-profile elbow bend allowing ball lock disconnects to be easily and quickly attached and detached from the coupler. (KL00840, KL00833)

2. Homebrew style (Cornelius) Kegs

Kegs used for homebrewing come in two main categories; Cornelius kegs and mini kegs. The Cornelius keg category can be split into two main types; ball-lock and pin-lock. If you have bought a new or second-hand keg from KegLand then it will be a ball-lock type Cornelius keg. However, if you have sourced a second-hand keg from elsewhere you will need to determine which type of Cornelius keg you have. This can be determined by investigating the type of posts on the keg. The two different types of Cornelius keg posts are shown below:



Liquid Ball Lock Post **Gas Ball Lock Post**



Liquid Ball Lock Disconnect **Gas Ball Lock Post Disconnect**

If you are using mini-kegs then you will need a ball-lock tapping head (KL06972) to dispense from it, this converts it into a normal ball-lock keg which uses the same fittings as a Cornelius ball-lock keg.

To carbonate and dispense from a homebrew style keg you will need to use disconnects. These come in two different categories which are specific for ball-lock or pin-lock kegs. Ball-lock kegs require ball-lock disconnects and pin-lock kegs require pin-lock disconnects.

Each keg requires a liquid disconnect (black) and a gas disconnect (grey). Due to the design of the posts on the keg a liquid disconnect can only be used on the black liquid (OUT) post and a gas disconnect can only be used on the grey gas (IN) post.

Disconnects can either include a duotight fittng, have a barb or have an MFL thread which requires a duotight fitting (KL06880) to connect EVABarrier hose to the disconnect. It is easier to connect a hose to an MFL disconnect with a duotight fitting compared to a barbed disconnect.

Inserting EVABarrier hose into a duotight Ball Lock Disconnect

Ensure the EVABarrier hose is cut straight and cleanly with a Stanley knife or 2 in 1 tube cutter (KL07689). Firmly push the EVABarrier hose into the opening of the duotight disconnect. Make sure that the hose is pushed in past the two internal o-rings to its full depth. Then check for a good

connection by gently pulling back on the hose. If the hose comes out of the fitting, reinsert into the disconnect ensuring the hosing is pushed far enough into the fitting.



Inserting EVABarrier Hose into an MFL Ball Lock Disconnect

Screw a duotight 8mm x FFL (KL06880) onto the MFL disconnect. Ensure that the end of the EVABarrier hose is cut straight with no burs. The best way to ensure a straight cut is to use a tube cutter (KL07689) or a very sharp Stanley knife. Then simply push the EVABarrier hose firmly into the opening of the duotight fitting and then pull back slightly to ensure the hose is held in place.

Removing EVABarrier Hose from a duotight Fitting

Simultaneously push the collet in while pulling the EVABarrier hose out of the duotight fitting. Once the hose is removed cut the burred end off with a tube cutter or Stanley knife to produce a clean straight cut, this aids with forming an airtight seal.

A 7 in 1 spanner tool (KL07672) can also be used to remove hosing from duotight fittings by inserting the hose into the groove and using the tool to press in on the collet as the hose is pulled back on.



Inserting EVABarrier Hose into a Barbed Disconnect

Push the barb into the EVABarrier hose until the whole barb has been inserted into the hose. The beer line supplied in the font kits is 4mm ID which may be difficult to push over the barb. If you are unable to push the beer line over the barb then you may need to stretch the internal diameter of the hose. This can be done by heating the EVABarrier tube in hot (not boiling) water and then inserting needle nose pliers into the hose and opening the needle nose pliers to stretch the opening of the hose. This will then allow you to insert the barb into the EVABarrier tubing.

To ensure it doesn't leak you will need to use a stepless clamp (KL06682) to secure the tubing onto the barb. Stepless clamps are preferred to worm-style clamps as they clamp in a perfect circle preventing the tubing from being pinched which can result in it leaking. To use a stepless clamp it is suggested to use a clamp tool (KL07054) to crimp the stepless clamp closed. Alternatively, you can use wire cutters to crimp the clamp closed.

Attaching a Ball Lock Disconnect to a Keg Post

Firstly, ensure you have EVABarrier attached to the ball lock disconnect which is connected to a tap or gas regulator. Then pull up on the collar of the ball lock disconnect as you push the ball lock disconnect onto the correct keg post.

Beer Line Diameter and Length Correlation

To ensure you get a consistent pour with the correct amount of head it is important to ensure the length of beer is correlated with the internal diameter of the EVABarrier hose. The suggested length of beer line for each internal diameter is outlined below:

Internal diameter	Length
4mm	1.5 metres – 2 metres
5mm	2 metres – 3 metres
6mm	3 metres – 4 metres

The KegLand font kits come with pre-cut beer and gas line. Each section of beer line is 4mm ID and approximately 1.5 metres in length. This should not need to be cut down.

If you are cutting your own lengths of beer line then it is best to start at the higher end of the length range and then cut the beer line down until you reach your desired pour speed. For example, if you are using 4mm ID beer line then start with 2m of length and cut down gradually until you reach your desired pour speed.

4mm ID beer line is often the best choice for use in kegerators as it means that less length of tube can be used and hence a less cluttered fridge. It also reduces the amount of beer sitting in the beer lines.

Internal diameter	Length	Beer per meter in line	Total beer in line
4 mm	1.5 m	12.5 mL	18.75 mL
5 mm	2 m	20 mL	40 mL
6 mm	3 m	28 mL	84 mL

Since 4mm ID beer line is recommended and this can be difficult to push over a barb then it is highly suggested to use duotight fittings which are just as easy to use for 4mm ID beer line as they are for 5mm ID beer line.

Balancing Your Keg System with CO_2

To produce the perfect pour, you need to balance a number of variables including beer line length, carbonation level of the beer and storage temperature of the keg. The carbonation level of the beer is correlated with the temperature of the keg as a lower temperature results in more CO_2 being dissolved into the beer and hence a more carbonated beer at the same CO_2 pressure.

For most styles of beer, you should be aiming for a carbonation level of between 2.3-2.8 volumes of carbonation with the average carbonation level being 2.6 volumes (if you are unsure of the carbonation level of the beer i.e. if it is a commercial keg then assume it is at 2.6 volumes of carbonation).

To achieve a specific carbonation level during carbonation or priming refer to the table in the link below and correlate the temperature of the fridge with the desired carbonation level. The storage temperature of most beers should be between 0°C and 3°C (2°C is a good middle ground). Then dispense at a pressure that is 10% above the carbonation level achieved during carbonation. Hence if you desire a carbonation level of 2.6 volumes of carbonation and the fridge temperature is 2°C then carbonate at approximately 11 PSI and dispense at approximately 12PSI.

https://www.kegland.com.au/media/images/KegLand%20Set%20&%20Forget%20CO2%20Carbonation%20Chart.png

NOTE: Do not try to fix a slow or fast pour rate by adjusting the dispensing pressure. This will result in your beer either going flat or over carbonated. It is best to adjust the beer line length and diameter. If you think that you have over carbonated your beer you may need to release the pressure in the keg and then set it to your desired pressure according to the carbonation chart. **Do not release pressure in the keg by pulling the PRV on the regulator as this can result in liquid being pulled into the regulator and potentially causing damage to the regulator.**

To produce lightly carbonated beers such as English ales you can adjust the carbonation and dispensing pressure for that keg using a dual pressure regulator if you have multiple kegs in the fridge and want to keep the fridge at a low temperature. Alternatively, if you only have lightly carbonated beers in the fridge then you can increase the temperature of the fridge and keep the carbonation and dispensing pressure around 11 and 12 PSI respectively.

Items Included

The Series X Plus base fridge with regulator includes the following items:

1 x MK4 Regulator (KL07429)

1 x Wire shelf

1 x Black plastic wrap around drip tray (KL00192)

4x Castor wheels

16 x Castor wheel screws

1 x CO_2 cylinder holder (designed to suit 2.6Kg CO_2 cylinder)

1 x Chrome Plated Guard Rail

If you have bought a KegLand font kit they include the following items:

Single Tap Font Kit

1 x single tap – stainless steel font

1 x duotight compatible short shank

1 x duotight 6.5mm x 8mm reducer

1 x Black plastic tap handle

1 x Pre-cut 4mm ID x 8mm OD EVABarrier beer line

1 x Pre-cut 5mm ID x 8mm OD EVABarrier gas line

4 x Metric M5 Stainless screws

1 x 7 in 1 faucet tap wrench/spanner

Double Tap Font Kit

1 x double tap – stainless steel font

2 x duotight compatible short shank

2 x duotight 6.5mm x 8mm reducer

2 x Black plastic tap handle

2 x Pre-cut 4mm ID x 8mm OD EVABarrier beer line

1 x Pre-cut 5mm ID x 8mm OD EVABarrier gas line

4 x Metric M5 Stainless screws

1 x 7 in 1 faucet tap wrench/spanner

1 x duotight 8mm push in tee piece





Triple Tap Font Kit

1 x triple tap – stainless steel font

3 x duotight compatible short shank

3 x duotight 6.5mm x 8mm reducer

3 x Black plastic tap handle

3 x Pre-cut 4mm ID x 8mm OD EVABarrier beer line

1 x Pre-cut 5mm ID x 8mm OD EVABarrier gas line

4 x Metric M5 Stainless screws

1 x 7 in 1 faucet tap wrench/spanner

2 x duotight 8mm push in tee piece



Quadruple Tap Font Kit

1 x quadruple tap – stainless steel font

4 x duotight compatible short shank

4 x duotight 6.5mm x 8mm reducer

4 x Black plastic tap handle

4 x Pre-cut 4mm ID x 8mm OD EVABarrier beer line

1 x Pre-cut 5mm ID x 8mm OD EVABarrier gas line

4 x Metric M5 Stainless screws

1 x 7 in 1 faucet tap wrench/spanner

3 x duotight 8mm push in tee piece



Installation Steps

Step 1. Preparation

- Remove all items from inside the kegerator
- Ensure all items have been included
- Remove any protective plastic from the kegerator before first use.
- Check for any damage which has occurred during transit including any liquid or oil marks on the inside of the packaging.

Step 2. Castor Wheels Installation

- Make sure the kegerator is empty
- Carefully lay the kegerator on its side on a soft surface such as carpet, cardboard or a towel.
- Unscrew the feet from the base of the kegerator
- Attach each castor wheel to the base of the kegerator using 4 screws (this may require screws to be removed from the mounting holes)
- The two locking castor wheels should be installed towards the front of the kegerator
- Position the kegerator back upright and leave for minimum 1 hour before turning it on to allow the refrigerant gas to settle.

NOTE: The screw holes may be filled with foam and have a foil covering. If this is the case push and thread the screws through the foam or foil. The screw will then catch on the thread allowing it to be screwed in completely.

Step 3. Chrome Plated Guard Rail Installation

- Position the guard rail such that the feet line up with the holes in the top of the kegerator
- Push the feet of the railing firmly into the holes

Step 4. CO2 Cylinder Bracket Installation (optional)

- Align the four holes in the bracket with the four studs on the back of the kegerator.
- Insert the studs into the holes and then push the bracket down firmly to secure it.

Step 5. CO2 Cylinder Bracket Installation (if applicable)

CO_2 cylinder is purchased separately

- Place the CO_2 cylinder on the base of the bracket
- Secure the CO_2 cylinder to the bracket using the strap on the bracket.

NOTE: Do not secure a 6.0Kg CO_2 cylinder on the bracket as it is only rated to hold 2.6Kg CO_2 cylinders. If you have a 6.0Kg CO_2 cylinder place it on the floor in close proximity to the kegerator.

Step 6. Installing MK4 Regulator onto the CO2 Cylinder

- Ensure the CO_2 cylinder is off by turning the cylinder valve handle clockwise.
- Ensure the regulator dial is completely unscrewed and ensure there is a nylon regulator washer between the type 30 nut and stem and the CO_2 cylinder.
- Hand tighten the nut and stem onto the CO_2 cylinder then tighten further with a 7 in 1 faucet tap wrench/spanner.

Steps 7 to 10 will describe how to setup your gas line in your fridge allowing you to store your gas cylinder externally.

Step 7. Attach the 5mm x 8mm ID EVABarrier Gas Hose to the Regulator

Attaching hosing to a duotight fitting (standard)

- The Mk4 regulator provided in a Series X Plus fridge comes as standard with an 8mm x FFL duotight Fitting (KL06880).
- Make sure the end of the 5mm x 8mm EVABarrier hose doesn't have any burs and is cut straight and cleanly. Push the 5mm x 8mm EVABarrier hose line firmly into the duotight fitting on the regulator and ensure it is secure.

Attaching a barb to the regulator (optional)

- If you prefer to use barbed fittings rather than a duotight fitting you can unscrew the duotight fitting and then screw a swivel nut and barb (KL03025) onto the male thread on the regulator
- Push the 5mm EVABarrier gas line over the outlet barb and secure with a stepless clamp

Step 8. Feed the 5mm x 8mm EVABarrier Hose into the Fridge

- Unscrew one of the caps on the back of the Series X Plus and feed the EVABarrier gas line through the hole.

Alternatively, you can convert the back of the fridge into a quick disconnect using parts which are sold separately (optional, if you don't want to do this skip to step 9):

- Unscrew one of the PET caps on the back of the fridge where you want the gas hose to enter the fridge
- Attach a 6.5mm x 8mm reducer (KL07481) to the barb on a plastic carbonation and line cleaning cap (KL10788).
- Screw the carbonation and line cleaning cap onto the gas inlet thread on the back of the Series X Plus.
- Cut the 5mm x 8mm EVABarrier gas hose to length. Cut it such that there is enough length to reach from the regulator to the carbonation and line cleaning cap.
- Push the 5mm x 8mm EVABarrier gas hose that is connected to the regulator into a gas ball lock-disconnect and 8mm x FFL duotight fitting (KL02967 and KL06880)
- Push the grey (gas) ball-lock disconnect onto the carbonation and line cleaning cap
- Push the other length of 5mm x 8mm EVABarrier gas hose into the duotight fitting on the carbonation and line cleaning cap



Step 9. Setting up the EVABarrier Gas Line for a Single Tap Font

(If using a dual, triple or quadruple font skip to step 10)

- Attach the gas line onto a keg coupler or grey ball lock disconnect via either the barb or a duotight fitting (KL06880).

Step 10. Setting up the EVABarrier Gas Line for a Dual, Triple or Quad Font

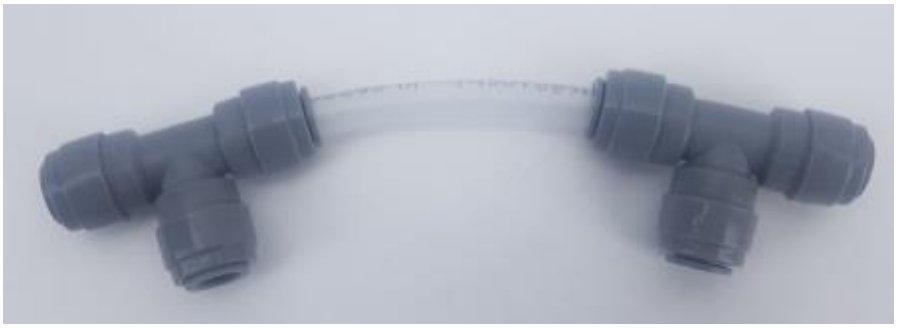
(If using a single font skip to step 11)

Double font

- Cut approximately 1m off the end of the 5mm x 8mm EVABarrier gas hose.
- Cut this 1m section of 5mm x 8mm EVABarrier hose into two 50cm lengths.
- Push the two 50cm lengths of 5mm x 8mm EVABarrier gas hose in to the duotight tee-piece.
- Attach the two 50cm lengths of EVABarrier gas line to grey (gas) ball lock disconnects
- Push the remaining length of 5mm x 8mm EVABarrier hose into the duotight fitting on your regulator and insert this hose into one of the gas inlet holes on the back of the fridge and push this hose into the remaining opening on the duotight tee piece.

Triple font

- Cut approximately 10cm off the end of the 5mm x 8mm EVABarrier gas hose.
- Join the two duotight tee-pieces together using this 10cm joiner you just cut as shown below:



- Cut three 50cm lengths of 5mm x 8mm EVABarrier gas hose.
- Attach the EVABarrier gas hose that is fed through the hole in the back of the fridge into one of the duotight tee-pieces.
- Push the three 50cm lengths of EVABarrier gas line into the remaining openings on the duotight tee-pieces.
- Attach each 50cm length of 5mm x 8mm EVABarrier gas hose from the duotight pieces to a grey (gas) ball lock disconnect.

Quadruple font

- Cut approximately 20cm off the end of the 4mm x 8mm EVABarrier gas line and then cut this 20cm length in half, resulting in two 10cm joiner pieces.
- Join the three duotight tee-pieces together using the two cut joiner pieces, as shown below:



- Cut approximately 2m off the end of the 4mm x 8mm EVABarrier hose.
- Cut this 2m section into four 50cm lengths.
- Attach the 4mm x 8mm EVABarrier hose that is fed through the hole in the back of the fridge into one of the duotight tee-pieces.
- Attach the four 50cm lengths of 4mm x 8mm EVABarrier hose into the remaining outlets of the duotight tee-pieces.
- Attach each 50cm length of EVABarrier hose to a grey (gas) ball lock disconnect.

Step 11. Assembling Single, Double and Triple Tap Fonts

(If using a quadruple font skip to step 12)

- Remove the cap from the top of the font and ensure the font collar is present at the base of the font prior to attaching any duotight compatible short shanks.
- Feed the length of beer line through the tap hole on the front of the font and feed the beer line through the slimline nut and convex collet on the inside of the font.

- Push a 6.5mm x 8mm reducer onto the back of the duotight compatible short shank.
- Feed the tail and thread of the duotight compatible short shank through the tap hole and align the curvature of the shank and the concave collet with the curvature of the font.
- Push each length of beer line into a 6.5mm x 8mm reducer which is attached to a short shank
- Tighten the slimline nut onto the thread of the duotight compatible short shank to secure the shank to the font tower.
- Repeat for all other duotight compatible short shanks and beer lines
- Feed the beer lines from the duotight compatible short shanks into the kegerator.
- Attach the font to the top of the kegerator by screwing the font onto the font mounting points using four metric M5 stainless steel screws.
- Attach each EVABarrier beer line to a liquid ball lock disconnect or keg coupler

Step 12. Assembling a Quadruple Tap Font



- First, attach the font to the top of the kegerator using four metric M5 stainless steel screws. The mounting points can be found on the inside of the font and can be attached using a long screwdriver or flexible drill bit.
- Then attach the duotight compatible short shanks, duotight 6.5mm x 8mm reducer and beer line to the font tower as described in step 11. It is easiest to attach the shanks to the font tower in the order shown to the right:
- Feed the beer lines from the duotight compatible short shanks into the kegerator.
- Attach each EVABarrier beer line to a ball lock disconnect or keg coupler

Step 13. Attach the Tap to the duotight Compatible Short Shank

- Hand-tighten the tap (sold separately) onto the duotight compatible short shank
- Tighten the short shank collar onto the tap using a 7 in 1 tap wrench/spanner.



- Repeat this for all taps and short shanks

Step 14. IMPORTANT Perform a CO_2 Leak/Pressure Test

Performing a leak test is essential to make sure the system holds pressure and there are no CO_2 leaks between any connections which could result in your CO_2 cylinder becoming drained over time.

This can be performed two different ways:

Method 1 – Pressure decay test

Step 1. Attach all disconnects to an empty keg.

Step 2. Set the pressure on the regulator at 20 PSI.

Step 3. Turn the CO_2 cylinder valve handle off

Step 4. Wait two hours and check that the pressure reading on the right pressure gauge on the regulator has not changed.

If the pressure reading has not changed then there are no leaks in the system. If it has dropped then use method 2 to determine the position of the leak.

NOTE: Even if the system passes a pressure test is still may be a good idea to perform method 2 as well.

Method 2 – Detergent bubble test

Step 1. Attach all disconnects to an empty keg.

Step 2. Set the pressure on the regulator at 20 PSI.

Step 3. Sponge a detergent solution onto all connections or potential places for leaks to occur.

This includes:

- The connection between the CO_2 cylinder and the regulator
- All duotight connections including the 8mm x FFL duotights connected to the regulator, ball lock disconnects and keg coupler, the 6.5mm x 8mm duotight reducers connected to the short shanks and the 8mm duotight tee pieces.
- Around ball lock disconnects and keg couplers when they are connected to the keg
- Around the lid of a Cornelius keg.
- Make sure to remove the ball lock disconnects from the posts of the ball lock keg and check the post itself for leaks.

IMPORTANT: Do not spray any duotight fittings with Stellarsan or phosphoric acid solution to perform a leak test.

After locating a leak using the detergent leak test perform another pressure test to ensure the system holds pressure.

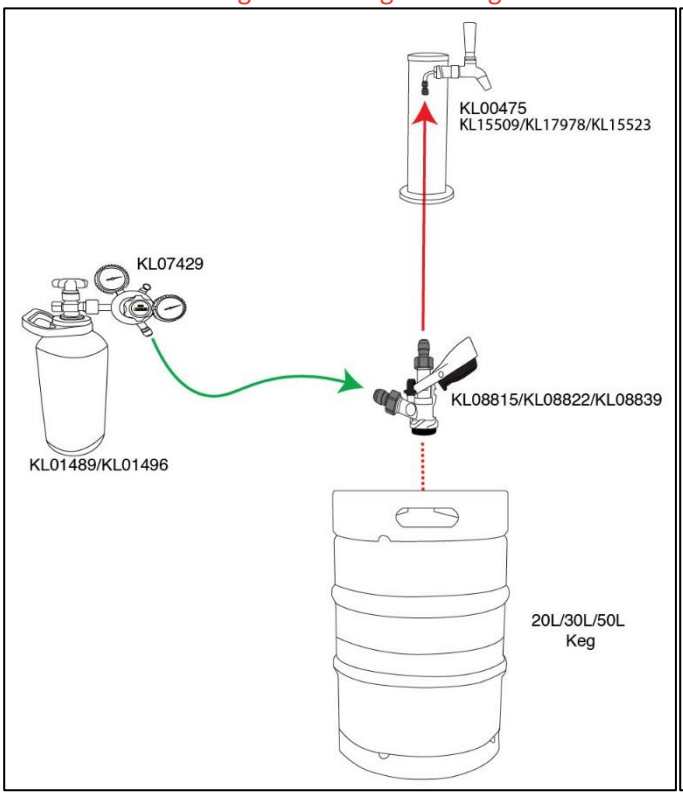
Installation Diagrams

The diagrams below give an indication of how to assemble one font and associated kegs onto a series X plus. If you have two font towers on your series X plus the assembly can be repeated for the second font with an additional duotight tee piece after the regulator to split the gas line to the required kegs.

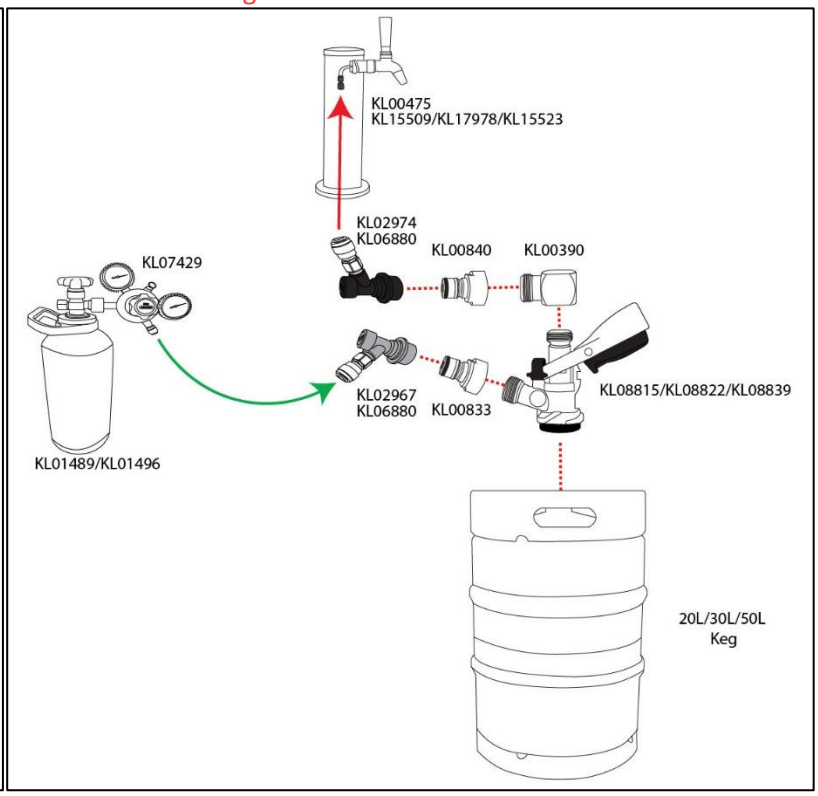
Please note this is not the only way to plumb up a series X plus as gas manifolds can be used instead of duotight tee pieces for example.

1. Single Tap Commercial Keg Series X Plus Installation Diagrams

1.1 Commercial Keg with duotight Fittings

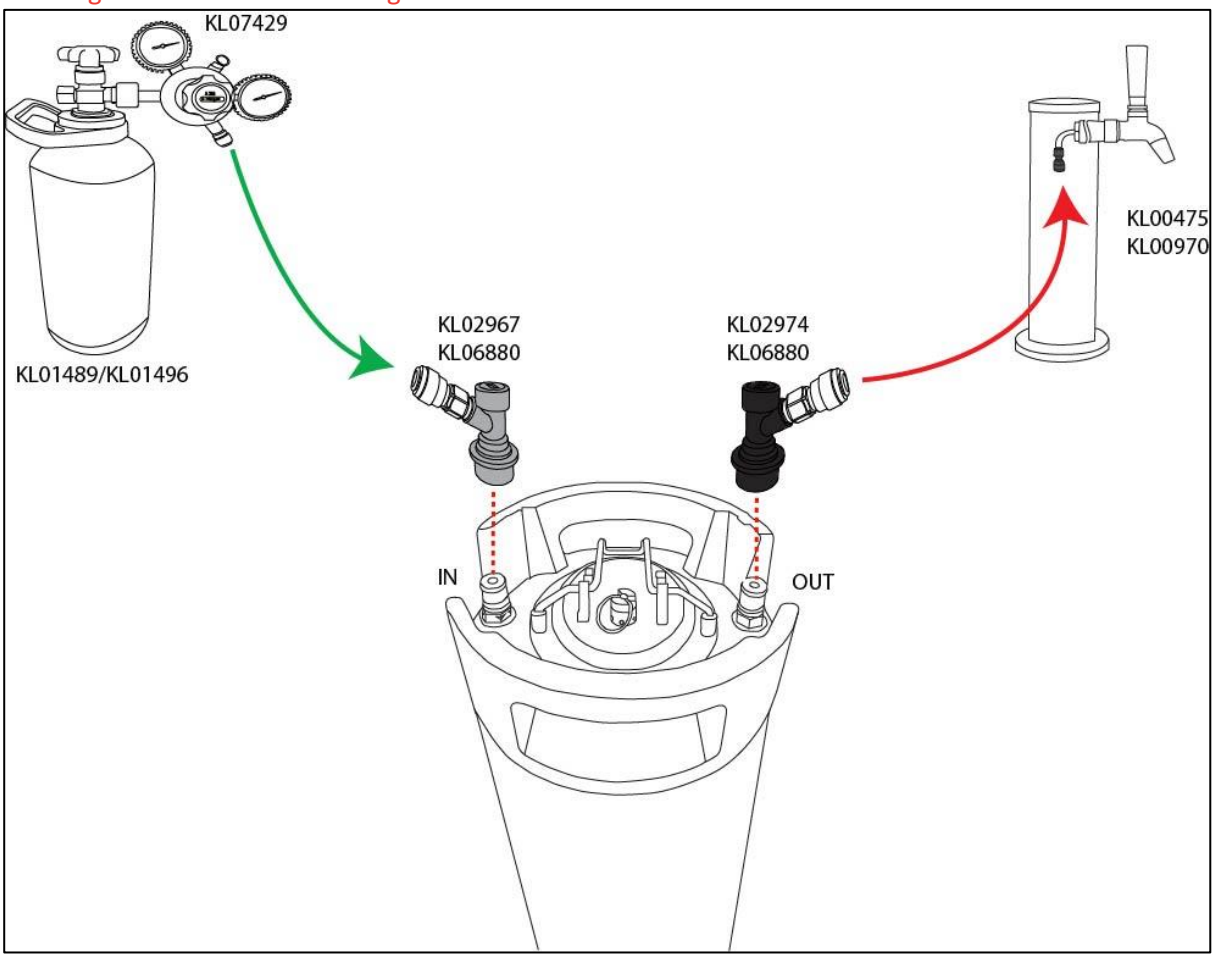


1.2 Commercial Keg with Low Profile Elbow Bend and Ball Lock Posts



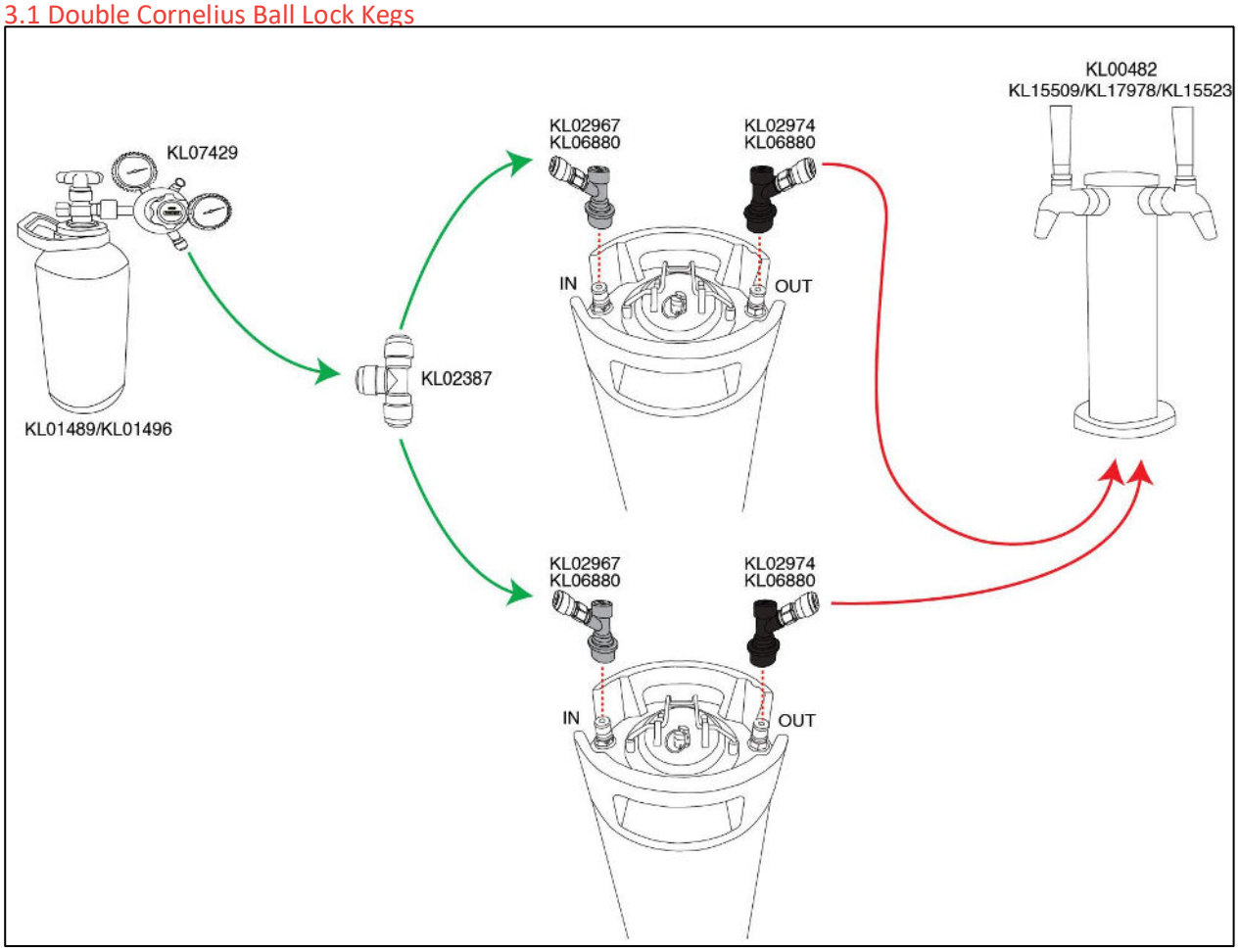
2. Single Tap Cornelius Ball Lock Keg Series X Plus Installation Diagram

2.1 Single Cornelius Ball Lock Keg



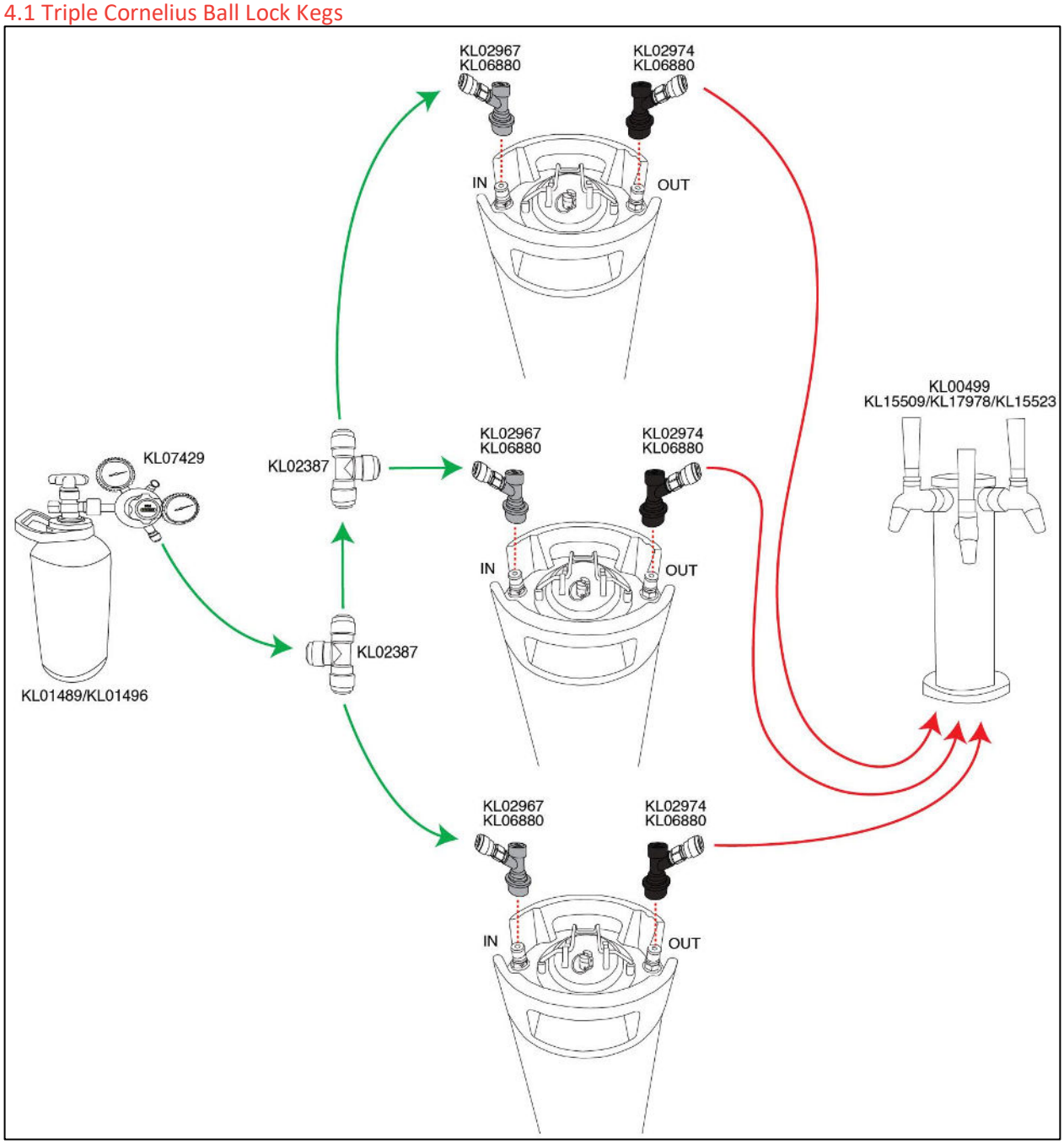
3. Double Tap Series X Plus Installation Diagram

3.1 Double Cornelius Ball Lock Kegs



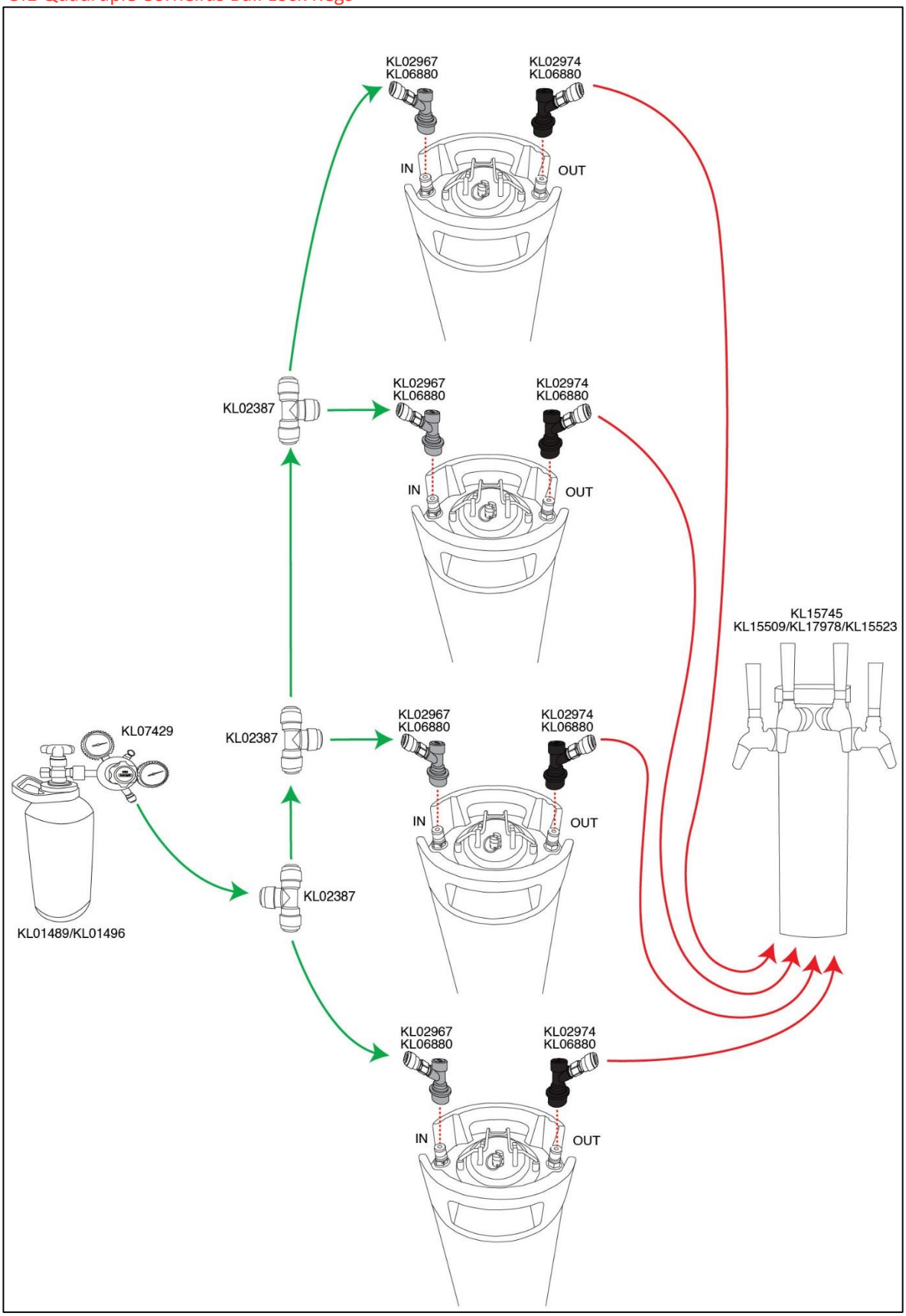
4. Triple Tap Series X Plus Installation Diagram

4.1 Triple Cornelius Ball Lock Kegs



5. Quadruple Tap Series X Plus Installation Diagram

5.1 Quadruple Cornelius Ball Lock Kegs



Adjusting the Set Temperature

- Hold either the Cooler or Warmer button for at least 3 seconds.
- This will cause the temperature displayed to start flashing indicating the set temperature can now be adjusted
- Adjust the set temperature by pressing the cooler or warmer button.
- After the desired target temperature is displayed don't touch any buttons and the temperature will be set at this desired target temperature.

Temperature Calibration

- Hold down both the Cooler and Warmer button simultaneously for at least 3 seconds until "SC" begins flashing on the display
- While SC is flashing press the "°C/°F" button to enter the calibration mode.
- A flashing number between -10 and +10 will be displayed.
- Use the Cooler or Warmer buttons to adjust the set calibration value.
- Increasing the calibration value will calibrate the unit to display a higher temperature for example if your Series X Plus is displaying 2°C but the actual temperature is 7°C then increase the calibration value to +5.

Minimum Clearance Required Around the Series X Plus

The Series X Plus kegerator has radiators in the left- and right-hand walls of the kegerator. These radiators need to be well ventilated so that heat can be dissipated from within the kegerator to the external environment. A minimum of 100mm clearance is required on the left- and right-hand side and the back of the kegerator. Failure to leave this clearance may void the warranty as it is essential for proper cooling and can cause high electrical consumption and may cause the kegerator to fail prematurely.

Troubleshooting Issues

Beer is too frothy or no beer pours when the tap is opened

- Check that the pressure on the regulator is set to the correct PSI and that the keg is beer is not over carbonated. If the beer is over carbonated release the pressure in the keg by pulling on the pressure relief valve and then set the regulator to the correct PSI.
- If the beer line is too short then it can pour with too much froth, consider increasing the length of your beer line.
- Check for any frozen beer lines. If the beer line comes in contact with the cold plate in the fridge it can freeze the beer in the line and partially or completely block the flow.
- If the beer contains a lot of hop matter there could be hop matter stuck in the liquid dip tube or liquid post of the keg. To check for and fix this, release the pressure in the keg by pulling on the pressure relief valve. Remove the liquid post using the correct sized wrench/spanner. Remove the liquid dip tube and ensure no hop matter is blocking the dip tube or the post.

Kegerator is not cooling to the set temperature

- If you are in a very hot environment remove the font tube from the font tower and instead direct it into the kegerator to improve air flow throughout the fridge.
- Place a jug of water in the fridge and measure the temperature of the water after 12 hours in the fridge to determine if the thermostat is reading the correct temperature.
- Ensure that the fridge has more than 100mm clearance on all sides.
- If the heat ingress into the system is high (for example the kegerator is outside in a hot environment) a more stable temperature in the fridge can be maintained by removing the font cooling tube from the font and directing it into the fridge to assist with air circulation.

Optional Accessories

Modular Wire Shelves

Champagne bottles, long neck stubbies, bottles and cans are able to be easily stored in the Series X Plus with minimal wastage of floor space by installing modular wire shelves into the fridge. These wire shelves are able to be arranged in any formation you see fit to allow the optimal storage of your drinks.





Heavy Duty Castor Wheels Upgrade

Easily move your Series X plus by swapping the included rubber castor wheels with 100mm heavy duty castor wheels. These castors are super soft on hard floors and super smooth to wheel around. If you are wheeling your Series X Plus around outside on a deck or concrete for example then these heavy duty castors are essential to smoothly ride over stones or cracks.



Neoprene Font Cover

Insulating the font with a neoprene font cover helps to minimize heat loss from the stainless-steel font surface. This helps to keep your beer icy cold and minimize the “first pour foam effect”. Installing a font cover is an excellent add on if you are keeping your kegerator outside in a hot environment. Just make sure to buy the specific font cover for the font you have:

1-3 tap font cover
4 tap font cover



Tap Faucet Cap & Brush

To quickly and easily clean the spout of your taps give your taps a quick brush with a faucet cap and brush then spray the insides of the spout with Super Kill Ethyl Spray then leave the faucet cap and brush in place in the spout until your next pour.





Inline Regulator & Gas Board

Easily set up a multi keg draught system which has different set pressures for each keg using inline regulators and a 4-way or 6-way gas board. Simply set your regulator to the higher pressure dispensing at and then adjust the pressure down to the desired set pressure for each keg using an inline regulator. This allows you to dispense beer styles such as wheat beers and Belgian ales at a higher CO2 pressure than your other ales and lagers on tap.



Gas Free Ball Lock Line Cleaning Kit

This PET party pump combo makes it easy to clean your beer lines without a gas source. Simply fill a PET bottle with correctly diluted Stellarclean solution, screw on the line cleaning kit, hook up your liquid ball lock disconnect on your beer line to the carbonation cap, pump the line cleaning kit and open your tap to clean your tap and beer lines. Then rinse and repeat with correctly diluted Stellarsan solution.



NukaTap Counter Pressure Bottle Filler

This handy counter pressure bottle filler is a useful tool to fill bottles of various sizes directly from your NukaTap without compromising your kegged beer's flavour, aroma or carbonation levels. It is a great way to rack off a few bottles of beer for a competition or for a party.



Warranty (Australia)

The Series X Plus 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