SPRING NEOTAP (LC)

Hot, Cold, Sparkling Underbench Unit

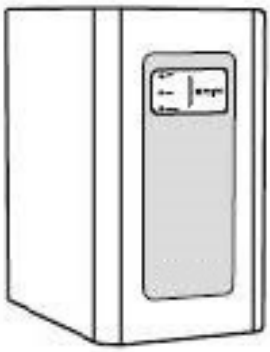
INSTALLATION AND OPERATION GUIDE

CONTENTS

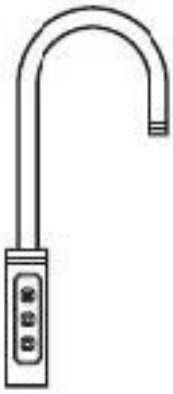
Please read these instructions completely before operating this unit

PREFACE/PARTS

Before using this machine, we advise you to read this manual thoroughly. Please follow the instructions to ensure proper operation and the lasting of the machine



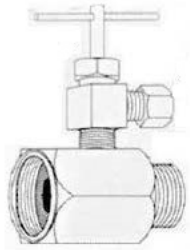
NEOTAP - Hot, Cold, Sparkling



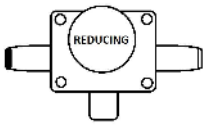
Faucet

Co2 Bottle

Regulator



Brass Tee Off Valve (Plumbers Delight)



Pressure Reducing Valve (PRV)

Straight Connector

Wiring Loom

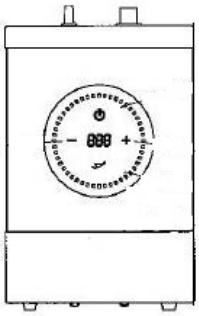
1/4" Tube (COLD Water)

Power Cord

KDF50 Filter

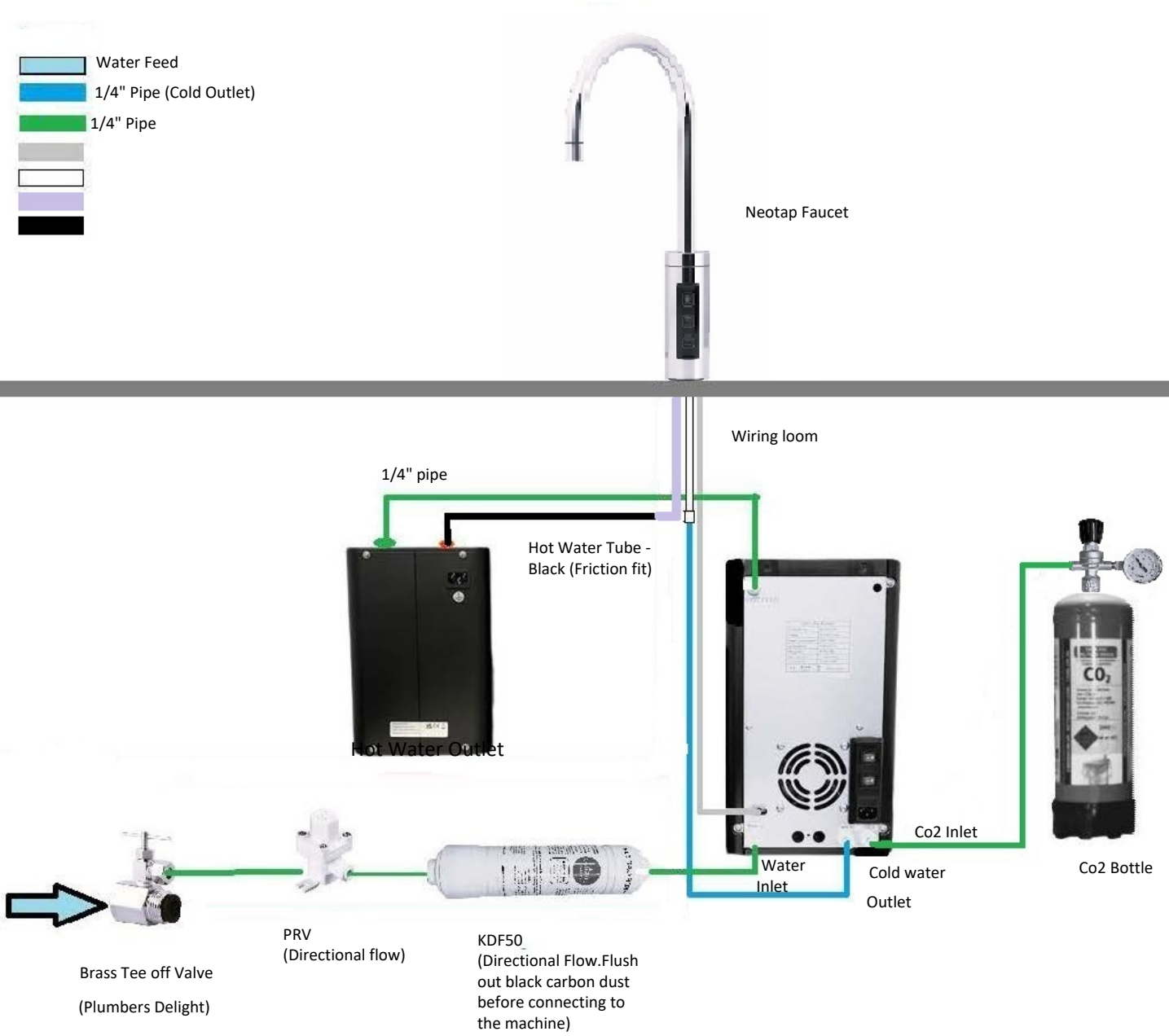
Black Silicone Pipe (HOT Water)

Regulator Adapter (2.2L Gas Bottle)



Boiler Unit

PIPING INSTALLATION - DIAGRAM



PIPING INSTALLATION

We recommend the instructions specified in this guide be followed in sequence by a qualified tradesperson to an existing potable water supply for successful installation

When installing please ensure the unit is easily accessible for service and maintenance

This Neotap has a 12 month back to base warranty from purchase, but this may be voided if unsatisfactory installation results in damage to the unit.

1. Select the appropriate position for the tap to ensure it dispenses into the sink, allowing ample clearance below the outlet. Drill a 25mm hole
2. Isolate the water supply. Disassemble the original COLD water Tap/Flexihose connections. Reconnect the plumbers delight inline
3. Using the 1/4" Pipe provided connect the 1/4" inlet ball valve to the Pressure Reducing Valve. The PRV is then connected to the KDF30 Filter and finally into the water inlet. Please ensure the filter has been flushed before connecting. The PRV and Filter have a directional water flow, connect as marked on the part
4. Connect the straight connector to the white tube from the faucet
5. Remove the black cap off the clear pipe from the faucet. Push the Black silicone pipe over the clear tube (Friction Fit)
6. Remove the black plastic nut from the faucet thread and connect the wiring loom. Be careful not to bend/break the pins
7. Feed the straight adapter, faucet connections and wiring loom through the hole in the tap. Position so the tap sits flush with the bench-top
8. Screw and tighten the tap nut to ensure the tap is correctly positioned on top. Be careful not to over-tighten as this may split the plastic nut (Recommend using 27mm tube spanner - Not included)
   NOTE: Once placed do not swivel the tap - Internal tubes and cables within the faucet cannot handle rotation more than 180deg and risk being damaged
9. Find the best place for the NEOTAP unit, Boiler and Co2 bottle under the bench, allowing 150mm clearance around the top and rear of the unit for ventilation. Allow room for the filter and piping as specified above, and Co2 bottle
   NOTE: If the cupboard does not allow room for filter/Co2 bottle allow enough 1/4" pipe for it to be situated elsewhere
10. Connect 1/4" pipe from the Hot Water Outlet of the Neotap to the Cold Water inlet of the Boiler (Push Lock).
11. Connect the 2 pipes (White and clear) from the faucet to the underbench units
    Pressure fit the Black Silicone pipe over the HOT outlet on the boiler (Ideally the Black pipe should flow in a straight line upward. This pipe can be shortened and should be as short as possible for best hot water supply
12. Using a length of 1/4" pipe connect the straight adapter to the cold water outlet at the bottom of the Neotap unit as per the piping diagram
13. Carefully attach the wiring loom to the NEOTAP unit. Connect the machine to the power supply using the cord at the rear of the unit. Leave power and water supply OFF

PIPING INSTALLATION

Co2 Bottle Installation : Please skip to step 16 if you have a Non-Sparkling model

12. Place the Co2 bottle upright in the undersink cavity as close to the NEOTAP unit as possible

DISPOSABLE GAS BOTTLE AND REGULATOR - INSTRUCTIONS

1. To connect disposable gas bottle, first thread the adapter onto the gas bottle making sure the dial at the top is closed (Completely anti clockwise)
2. Attach the regulator to the adapter making sure the the regulator is also in the OFF position (Completely anti-clockwise)
3. Open the gas bottle by turning the dial at the top of the adapter clockwise

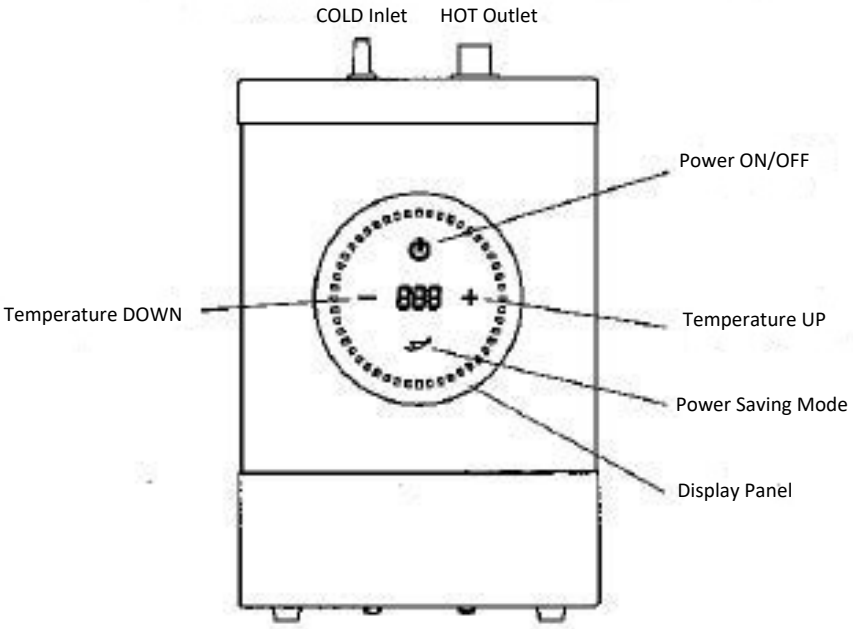
Continue to Step 15

REUSABLE GAS BOTTLE AND REGULATOR - INSTRUCTIONS

12. Turn the knob fully anti-clockwise to ensure the regulator is in the OFF position
13. Connect the Co2 bottle to the regulator by screwing the regulator onto the bottle firmly (Clockwise). Be careful not to overtighten to avoid damaging the nut
14. Open gas bottle by turning the main bottle valve anticlockwise

15. Attach the regulator to the Co2 connector at the rear of the unit using the 1/4" pipe provided. DO NOT OPEN REGULATOR - This is addressed in Co2 Operation
16. Ensure the whole unit and its components have at least 150mm ventilation surrounding
17. Check there are no kinks or "sag" in the tubing from the unit to the faucet. This will ensure that any reduction in water flow is reduced
18. Ensure all fittings, electrical connections and piping are secure to and from the unit
19. Turn on the Water and Power supply

BOILER - OPERATION INSTRUCTIONS



Once connected as outlined in the piping instructions connect the BOILER to power at the wall and turn on at the wall. Please leave the power button on the front of the unit off at this stage (This is important, as if the boiler is turned on before water has run through the unit it does run the risk of burning out the element)

Ensuring the NEOTAP is turned on at the wall, press and hold the HOT button on the faucet

Wait for 1-2 minutes until the water starts to flow from the faucet

The boiler has now been primed correctly. Turn on the BOILER by holding down the power button on the front panel until the lights illuminate

Note: If the boiler unit is on, but does not seem to be heating the thermal overload sensor might have activated to avoid the element overheating. This can be reset by inserting a sharp object into the hole in between the 4 screws at the bottom of the boiler. You will hear a "click" once reset

BOILER - TEMPERATURE ADJUSTMENT

Internal thermostat is adjustable between 75 - 98 degrees C
You can adjust the temperature by pressing the - and + buttons on the front of the Boiler While the unit is heating to the desired temperature the red LED will circulate the display panel
Once fully heated all the LEDs circulating the display panel will stay on (stationary)

Co2 BOTTLE - INSTALLATION

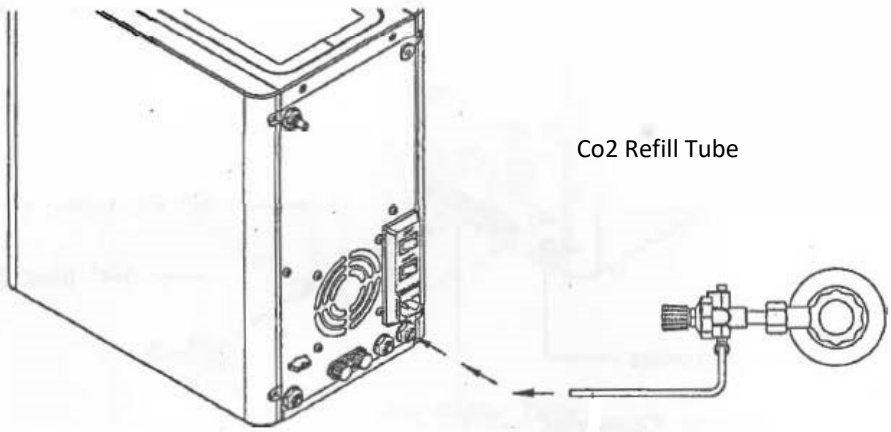
1. Ensure the Co2 bottle is connected firmly to the regulator and the Co2 tube is fitted correctly.
2. Slowly turn the dial on the regulator clockwise until the gauge reads 3BAR

(Note: If you want to reduce the pressure you must first turn the dial anticlockwise and then vent to relieve existing pressure. The gauge will then settle and read accurately)

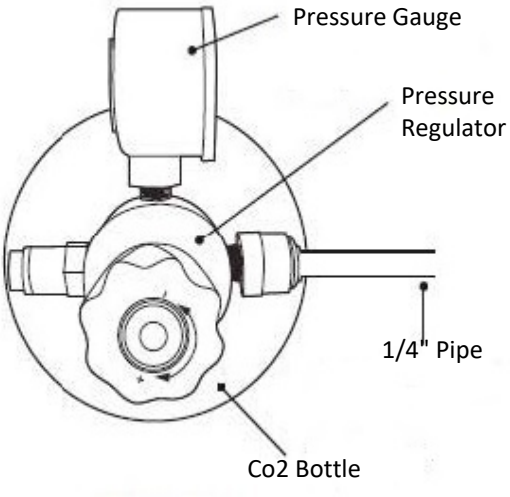
3. Turn off the water at the valve and purge any air from the sparkling line by pressing the sparkling button on the tap for 30 seconds.
4. Turn the water back on at the valve, and switch the SODA switch at the rear of the unit.
5. Press the sparkling button on the tap for 15 seconds to allow any excess Co2 to be dispensed
6. Operate the sparkling button on the tap 2-3 times for 15seconds each time (1minute cooldown) until you notice the water is sparkling. Pressure will fluctuate between 3-4 bar

The unit will take around 40 minutes to chill. Co2 binds best with Chilled water, and it might take up to 72hours to completely infuse. Priming as above can shorten this process

All Co2 bottles should be upright during use, storage and transit. If the bottle has been left horizontal, place upright and stand for 60+ minutes before use to allow contents to settle



TOP VIEW - Co2 Bottle



NEOTAP FAUCET - COLD AMBIENT INSTRUCTIONS

COLD SPARKLING HOT

1. Turn on the COLD switch at the rear of the unit
2. Leave to cool for 40 minutes
3. Press the COLD button for Chilled water or SPARKLING button for Sparkling water

NEOTAP FAUCET - HOT WATER INSTRUCTIONS

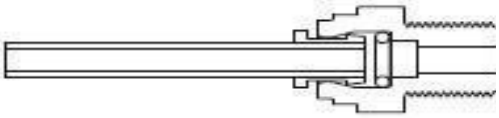
Press the HOT button on the faucet to dispense

For best results allow 5 seconds to pass before using, this allows the pipe to completely fill with HOT Water

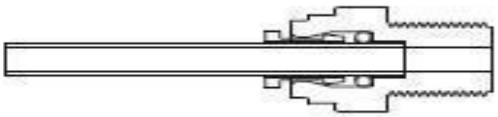
Please note the final temperature may vary dependant on the length of the tube, ambient air temperature and other factors

PUSH LOCK FITTING - INSTRUCTIONS

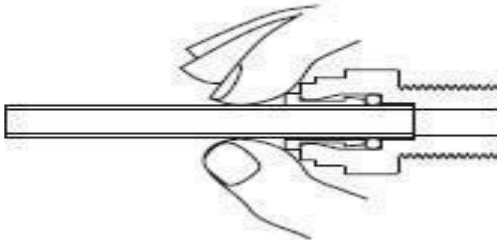
1. Cut the 1/4" Pipe square and push into the fitting.



2. The Push lock fitting will grip before it seals. Ensure the pipe is pushed past the O-Ring into the fitting completely



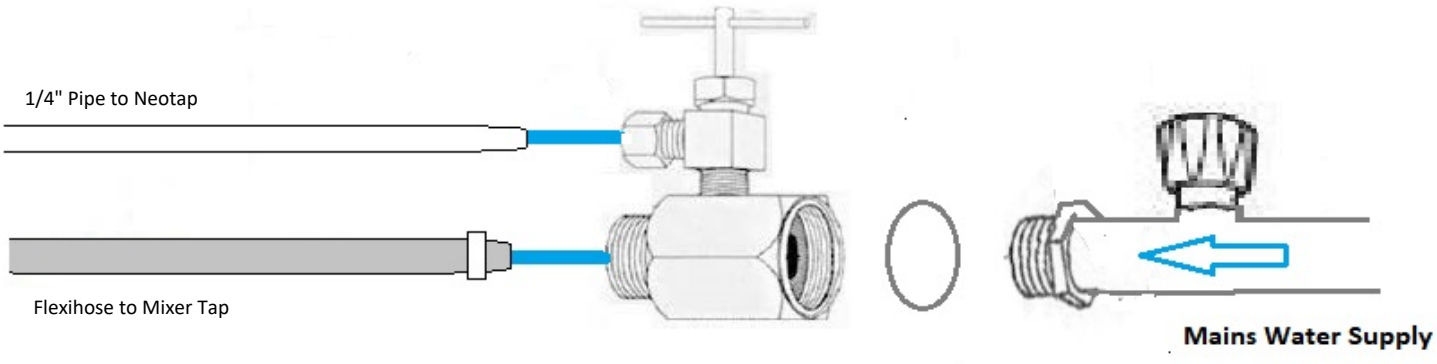
3. Pipe is secured in position. A small tug back will guarantee the pipe is in place



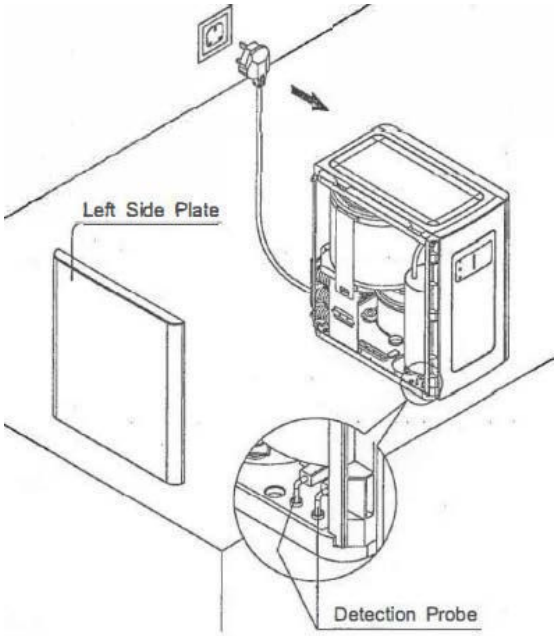
Disconnection
Pull locking ring flush against the fitting and hold. The pipe can now be released by pulling on it.

PLUMBERS DELIGHT - INSTALLATION

Disassemble the existing flexihose from the Cold Water Tap
Reconnect the plumbers delight inline
Use tee off for the 1/4 inch pipe to feed the Neotap
Connect the flexihose to the male plumbers delight connection to feed the mixer tap

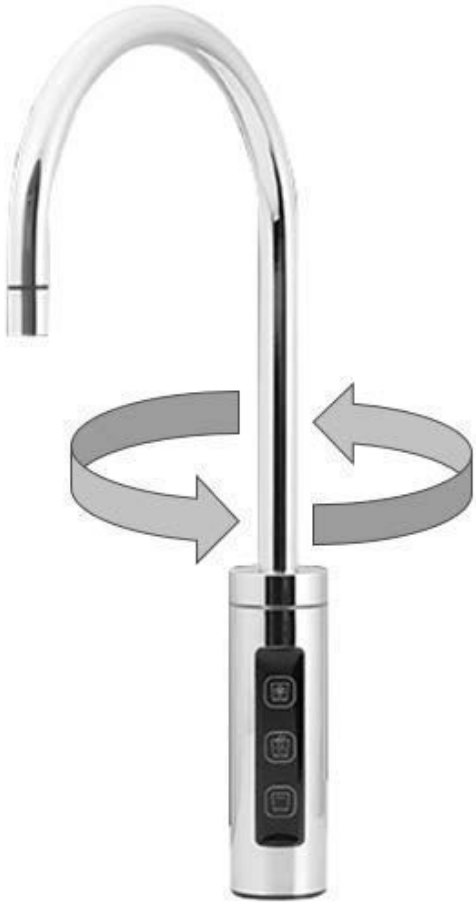


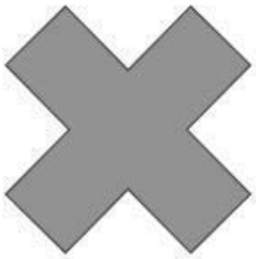
LEAKAGE DETECTION - DIAGRAM



This device has a leakage detection probe fitted for safety purposes.
When the probe detects moisture you may notice the LED on the machine flashing accompianied by a beeping noise
We recommend turning off the electricity at the power supply and calling a qualified technician to carry out this work for your safety.

TAP SWIVEL - WARNING





NO SWIVELLING TAP 360°

Internal tubes and cables within the faucet cannot handle completed rotation and will be damaged if turned more than 180 degrees.

Swivel feature is intended to find correct placement on the benchtop. Once placed, the tap should be left alone to avoid damage

MAINTENANCE GUIDELINES

For effective performance of the Neotap unit Spring Water Solutions recommend 6 monthly service checks and annual filter changes

Points to check on installation and subsequent maintenance

- Please ensure the unit is able to be easily accessed for service and changing of consumables

- Clean unit (Underbench and Faucet) to ensure it is kept in good condition and avoids damage

- Ensure the space is free from obstruction to avoid damage to the unit

- Check faucet connections are tight and functioning correctly to avoid leak

- Check gas pressure to ensure it is within recommended pressure level

- Check joints and fittings are secure to avoid leak

- Change the KDF/GAC50 Filter annually for best performance of Neotap Unit

Spring Water Solutions offer installation, service and filter changes New Zealand wide
Please get in touch per the information below to book :)

Trouble Shooting

Problem	Cause	Solution
Water isn't cold	Thermostat is off	Contact for service
	Refridgerant gas is low	Contact for service
	Problem with Compressor or Thermostat	Contact for service
No cold water from Tap	Ice blocking in system	Please turn off the COLD power switch to allow ice block to melt. Will need to contact for service to adjust thermostat
	No water inside unit	Check mains supply
LED at end of faucet flashing	Leak detection activated	Leak detection activated as probe detected water. Contact for service
Change in water taste	Filter change	We recommend changing the filter every 1-2 years. Turn of water supply and replace filter per diagram 1
Low Flow	Filter Change	We recommend changing the filter every 1-2 years. Turn of water supply and replace filter per diagram 1
	Insufficient water supply	Refill unit
Sparkling not working	Soda Power off	Check switch is on
	Co2 output pressure is too high making the water dispenser short	Close the Co2 bottle and release the pressure from the pressure regulator. Press the soda tap to drain out the water and release the pressure inside the tank. Turn off the SODA switch when water has drained. Reopen the Co2 bottle and set the Co2 output to 3 bar. Turn on the Soda Power switch again to start producing Sparkling water
	Co2 has run out	Refill Co2 bottle
	Co2 Line needs recomissioning	Follow the Sparkling Install Instructions Pg3-4
	Not enough bar pressure	Slightly increase Co2 bar pressure (Ideally between 3-4 bar)

PRODUCT DATA SHEET

Spring Neotap - LC

INSTANT TAP

Overview Underbench filter for boiling, chilled, sparkling and ambient drinking water.
Light Commercial (LC) Model includes an additional boiler for increased heating capacity

Model	Sparkling, Hot, Cold
Filtration	Premium KDF/GAC 50, 5 Micron Filtration
Cold Temperature	4C to 10C
Chilling Capacity	20 Litres per hour
Heating Capacity	12 Litres per hour
Chilling Power Consumption	Direct Chill System 100W
Weight	18kg
Tap Finish	Chrome, Matte Black, Brushed Nickel
Water Connection	1/2 Inch
Power Requirements	2x Standard 10amp power outlet (Earth Leakage Protected)
Max. recommended inlet pressure	500 kPa
Required hole size for tap	35mm
Underbench Dimensions - Neotap	750mm W x 660mm D x 520mm H
Underbench Dimensions - Boiler	190mm W x 190,mm D x 280mm H
Underbench Dimensions - 2.2L Co2 Bottle (Default)	105mm W x 320mm H
Underbench Dimensions - 7.5L Co2 Bottle (Upgrade)	105mm W x 680mm H