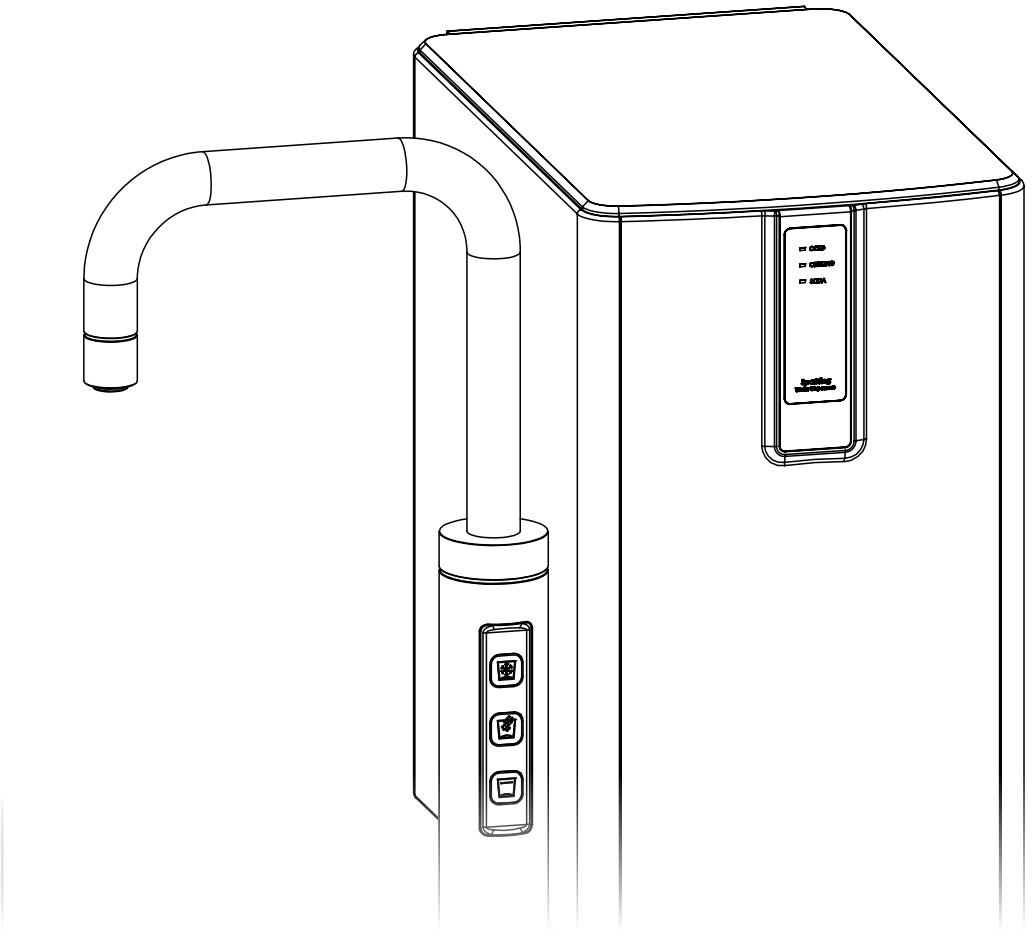
Sparq S5

Sparkling, Chilled & Ambient Water Filter System

User Guide



Puretec
PERFECTING WATER

MAINS WATER

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WMTS 105
Certificate No. 23291
Pro-Switch Pty Ltd

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Puretec Customer Service

Thank you for purchasing a Puretec Sparq S5 Drinking Water Appliance. The Sparq S5 is a proven performer manufactured from only quality materials and components. It will give years of reliability and trouble-free operation if maintained properly.

Caution: Do not use with water that is microbiologically unsafe or without adequate disinfection before or after the system.

The Puretec Sparq S5 is designed for use with metropolitan supply water applications only.

Flush the system for 5 minutes or more, after any period of non-use, more than 2 weeks.

Note: Where maximum line pressure exceeds 500 kPa, the supplied multivalve (pressure limiting valve) must be installed to comply with Australian Plumbing Standards. (Ref. AS/NZS 3500.1:2021, Clause 3.3.4)

Installation Record

For future reference, fill in the following data:

PRODUCT INFORMATION	
Model Number:	**SPARQ-S5**
Serial / Batch Number: (Refer to label on the rear of the unit)	
Purchased From:	
Date of Installation:	
Installer / Plumber Details:	

All installation and service work should be completed by qualified tradespeople. Faulty operation due to unqualified persons will result in voided warranty.

All plumbing must comply with AS 3500.1 and AS3500.2.15.

This product complies with the requirements of Lead-Free standards as defined in the National Construction Code Volume 3 and is suitable for use as part of Lead-Free installation.

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Before Installation

WARNING: FOR THE CORRECT OPERATION OF THIS APPLIANCE, IT IS ESSENTIAL TO OBSERVE THE MANUFACTURER'S INSTRUCTIONS.

VERY IMPORTANT! Carefully read through this instruction booklet and check that all requirements can be met. Failure to meet requirements may result in voided warranty.

- Check the mains water pressure is between 138 - 500 kPa.

  Note: Where maximum line pressure exceeds 500 kPa, the supplied multivalve must be installed to comply with Australian Plumbing Standards. (Ref. AS/NZS 3500.1:2021, Clause 3.3.4)

- The Sparq S5 system is designed for mains/towns water supply only.
- Check the appliance rating plate and ensure correct power supply is available for the appliance and the relevant circuit will not be overloaded (see Specifications).
- Check both unit and tap locations are within reach of each other and within reach of the power and water connections
- Check there is sufficient room for the appliance inclusive of ventilation requirements within the cupboard and that the cupboard is capable of supporting the appliance with a net weight of 21.2 kg including the gas bottle (see Fig. 1).

  Note: It may be required for additional ventilation to be installed within the cupboard/door to ensure there is adequate cross ventilation to mitigate cupboard temperature reaching 50°C or above. Inadequate ventilation can lead to malfunction and void warranty.

Installation Note: A water filter system/tap, like any product, has a limited life and may eventually fail. Also sometimes failure happens early due to unforeseen circumstances. To avoid possible property damage, this product should be regularly examined for leakage and/or deterioration and replaced when necessary. A drain pan, plumbed to an appropriate drain or outfitted with a leak detector, should be used in those applications where any leakage could cause property damage, and/or the water supply should be turned off if no one is home/present.

CAUTION: THIS SYSTEM MAY INCREASE THE BACTERIAL CONTENT OF THE WATER UNLESS SUPPLEMENTARY TREATMENT IS PROVIDED.

CAUTION: DO NOT USE WITH WATER THAT IS MICROBIOLOGICALLY UNSAFE OR WITH WATER OF UNKNOWN QUALITY WITHOUT ADEQUATE DISINFECTION BEFORE OR AFTER THE SYSTEM. SYSTEMS CERTIFIED FOR CYST REDUCTION MAY BE USED ON DISINFECTED WATER THAT MAY CONTAIN FILTERABLE CYSTS.

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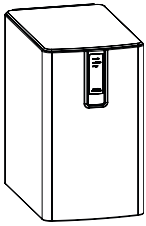
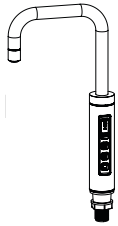
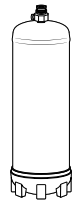
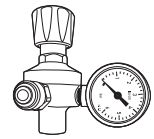
Parts Included

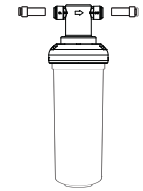
Unpack the equipment. Ensure all parts are present and have not been damaged in transport. You should have:

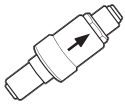

Sparq Unit


Faucet/Tap


CO_2 Bottle


Regulator


Filter System


Multivalve

Straight Connector

Wiring Loom

Tubing

Power Cord

SmartTee™

Spacer

Specifications

Model:	**SPARQ-S5**
Flow:	**100 glasses/hour˅**
Min/Max Pressure:	**138 - 500* kPa**
Min/Max Air Temperature:	**2°C to 50°C (protect from freezing)**
Chilled Temperature:	**2°C - 10°C**
Power Requirements:	**50Hz / 220~240 V**
Max Power Consumption:	**100 W**
Standby Power Consumption:	**20 W**
Chrome Tap Dimensions:	**345 (H) x 197 (W) mm**
Coloured Tap Dimensions:	**350 (H) x 197 (W) mm**
Appliance Dimensions:	**390 (H) x 230 (W) x 370 (D) mm**
Filter Dimensions:	**290 (H) x 93 (W) x 110 (D) mm**
Warranty:	**2 years**

Note: *Where maximum line pressure exceeds 500 kPa, the supplied multivalve must be installed to comply with Australian Plumbing Standards. (Ref. AS/NZS 3500.1:2021, Clause 3.3.4) ˅Glass size is based on 200ml.

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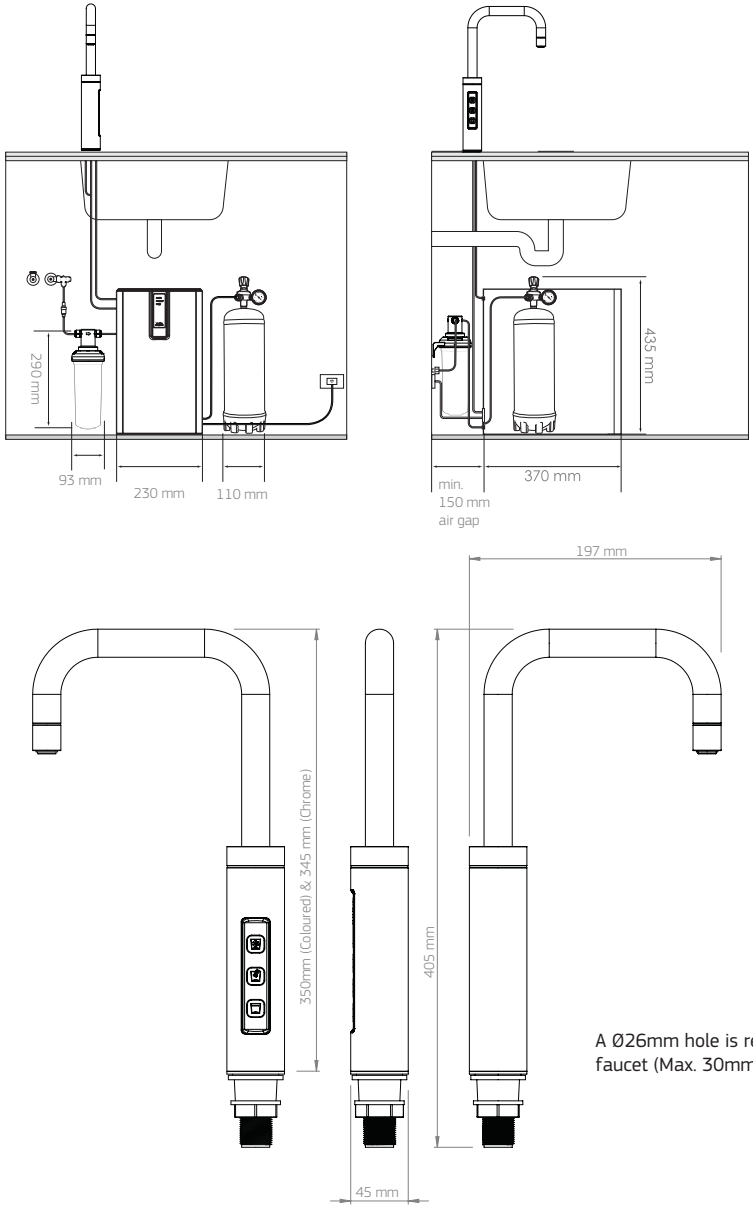
Figure 1 – Dimensions



A Ø26mm hole is required for faucet (Max. 30mm).

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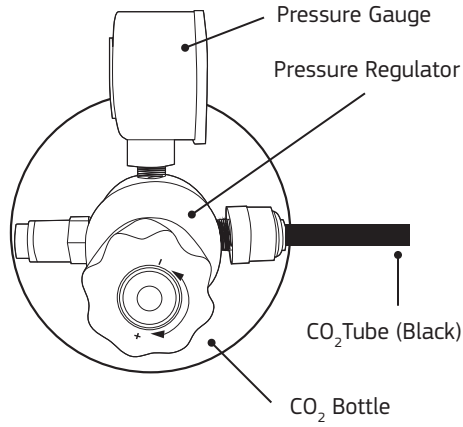
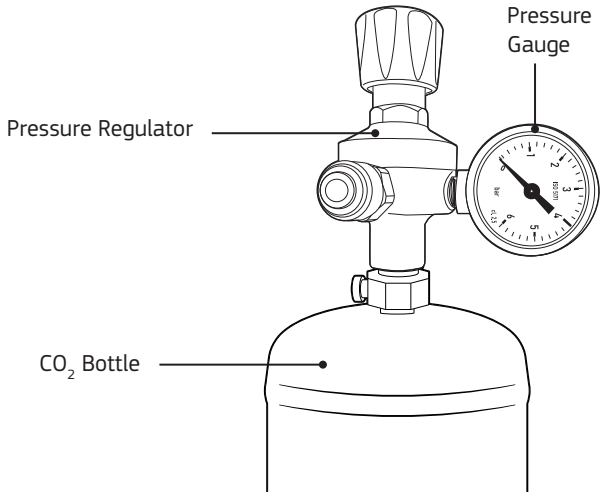
Figure 2 – CO_2 Bottle

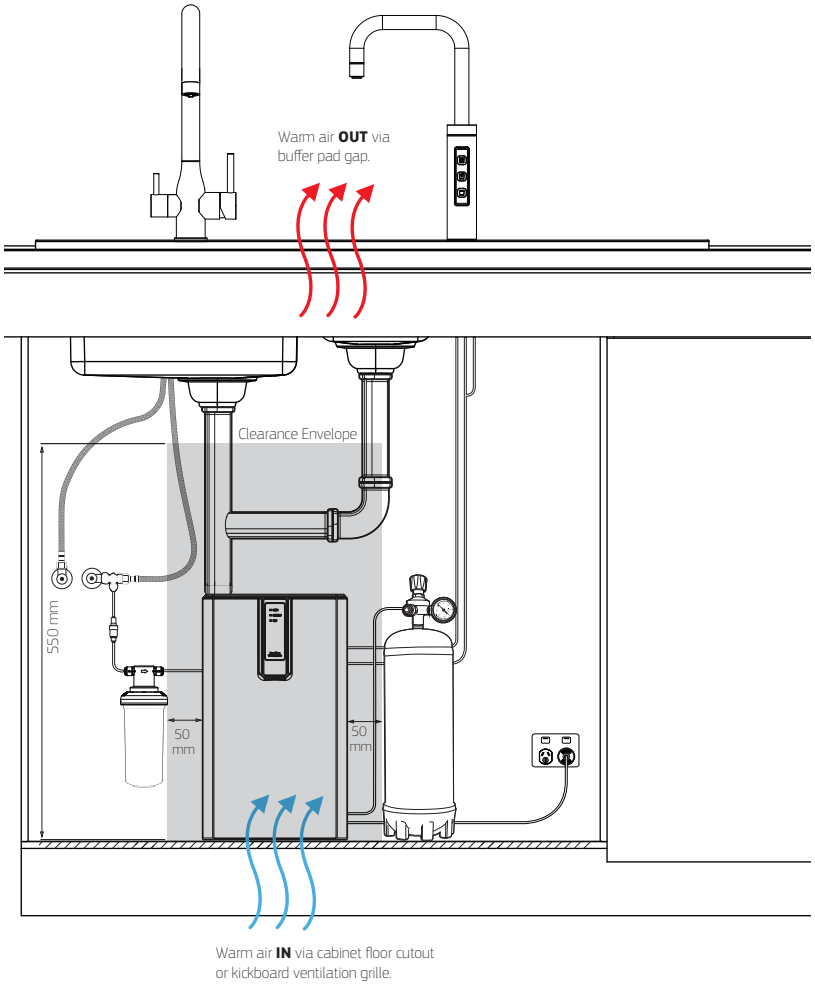


TOP VIEW



SIDE VIEW

Figure 3 – Clearance Envelope



NOTE: Clearance at the back of the until from the wall needs to be 150 mm.

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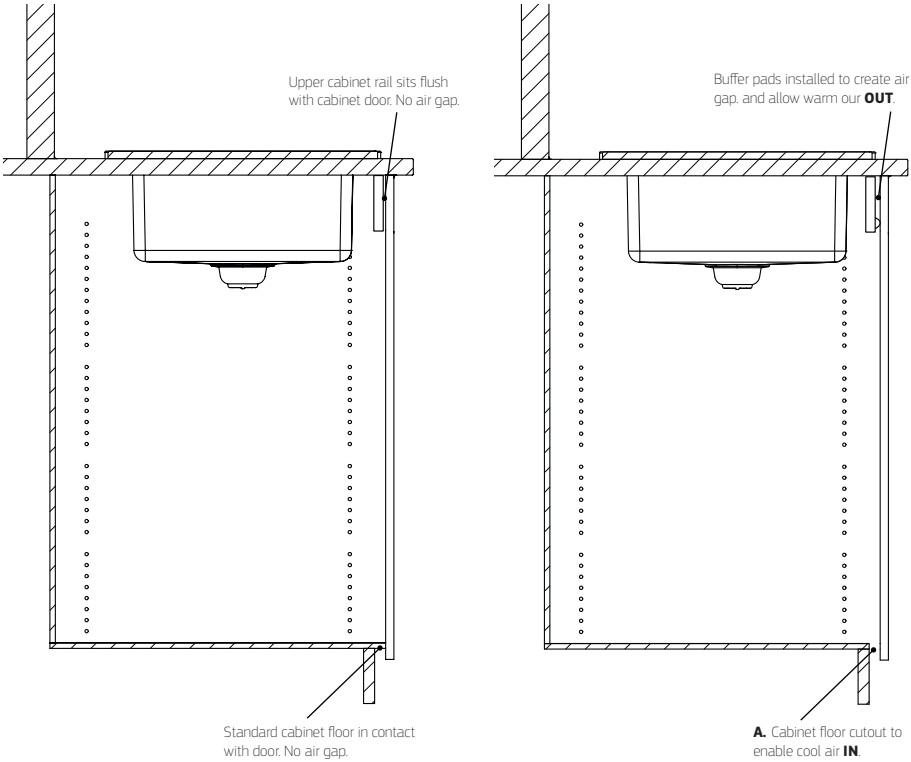
Figure 4 - Buffer Pads & Floor Air Gap



Ventilation

For air flow cutouts a drill and jigsaw, keyhole or wall board saw will be required.

Ventilation Requirements

WARNING! Allow at least 50 mm clearance on either side of the unit, 150 mm at the rear and 200 mm above the main unit (see Fig. 3).

Sufficient air circulation MUST be provided in order for the system to operate and function correctly. Allow enough space for the system to be easily accessed for any servicing needs.

Fit the upper cabinet rail (where the cabinet door rests) with 3 mm silicon door buffers. This will allow for the warm air to be expelled from the cabinet (see Fig. 4).

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Cutouts

HINT: First mark & drill pilot holes in each corner of the required cutout, finishing cutout with a jigsaw, keyhole or wall board saw.

To allow the cool air to be drawn into the cabinet, cut out the cabinet floor as shown in Fig. 4 and Fig. 5 (**A.** Cabinet Floor cutout). Ideally this should be as large as possible along the cabinet for maximum ventilation.

Alternatively, a ventilation kit (not included) can be installed by cutting out a hole for a kickboard ventilation grille (see Fig. 5 - **B.** Kickboard Ventilation Cutout), a cutout on the cabinet floor (see Fig. 5 - **C.** Floor Cabinet Cutout) and ducting to connect them. Follow the manufacturer's installation guide included with your kit.

Where cabinet temperatures are higher than 35°C, it is recommended an exhaust fan kit is fitted (not included) in place of the kickboard ventilation grille.

Figure 5 - Cutouts

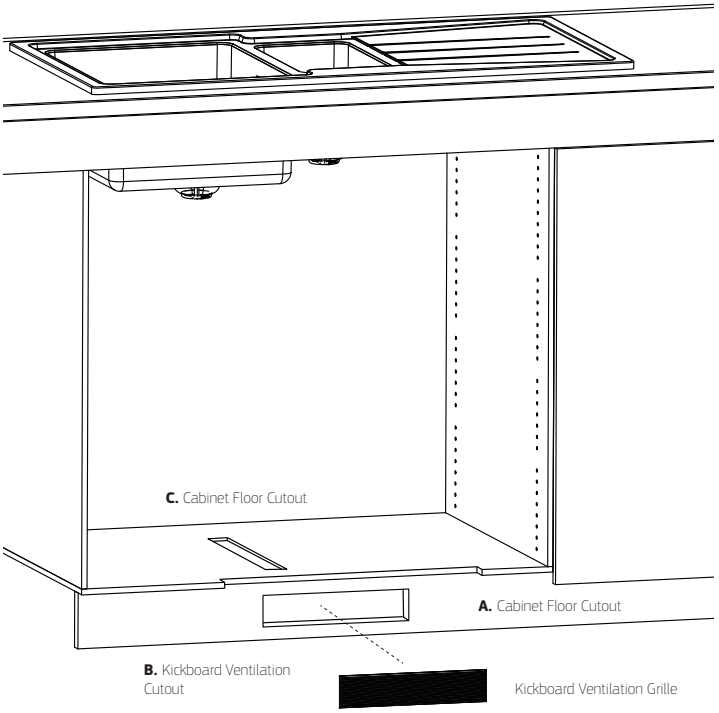

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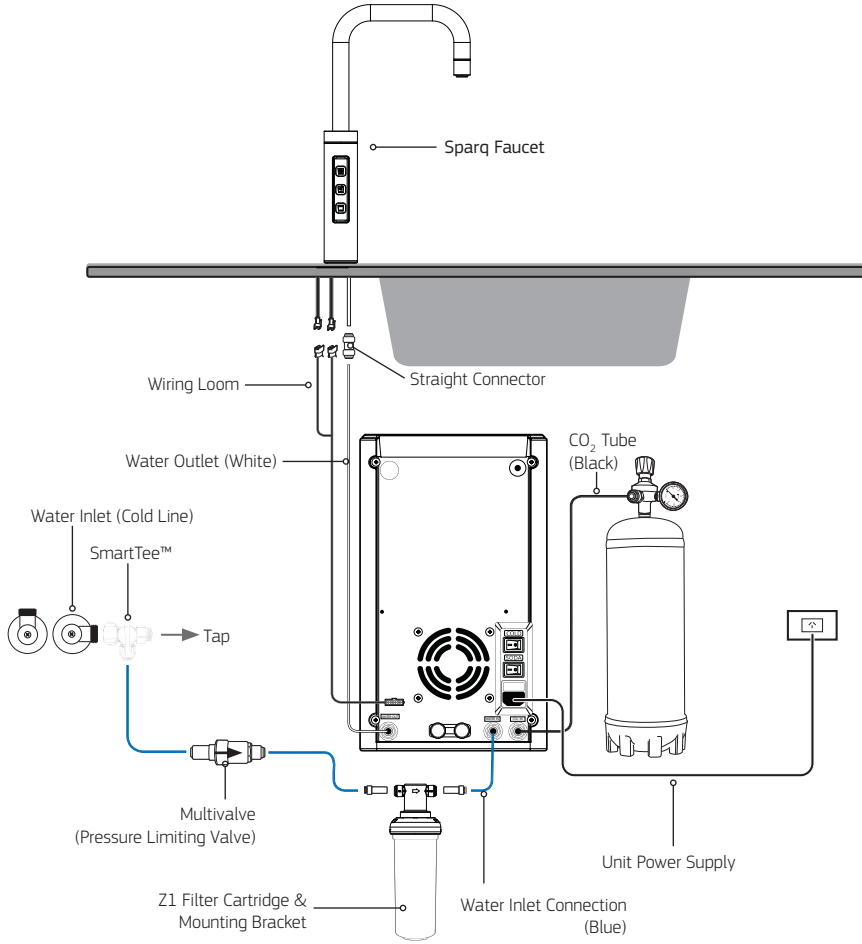
Figure 6 - Exploded Diagram



Note: All cold water lines are 1/4" tube.

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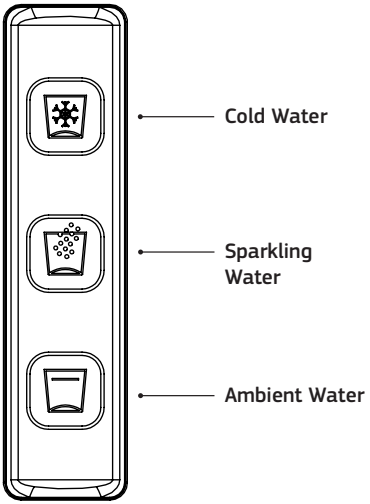
How To Operate The Tap

When the blue light is on, the tap is in 'Sleep Mode'. Press any button once and the LED light will change from blue to green to indicate that the tap is ready. Press the button again to start dispensing water.



Cold Water

Press and release any button, once the light is green press & hold the cold water button to dispense cold water.

Sparkling Water

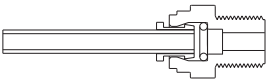
Press and release any button, once the light is green press & hold the sparkling button to dispense sparkling water.

Ambient Water

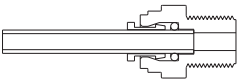
Press and release any button, once the light is green press & hold the ambient button to dispense ambient water.

Figure 4 - How To Use Quick Connect Fittings

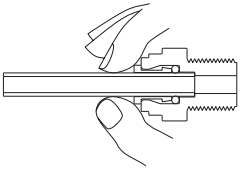
1. Cut the tube square and push in to the tube stop. For metal tube remove burrs and chamfer tube end to prevent O-Ring seal being damaged.



2. Fitting grips before it seals. Ensure tube is pushed into the tube stop (inside the collet).



3. Tube is secured in position.



DISCONNECTION PROCEDURE

4. Push collet against body and slide tube out of fitting.

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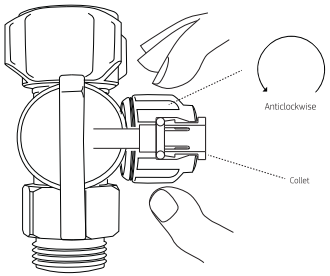
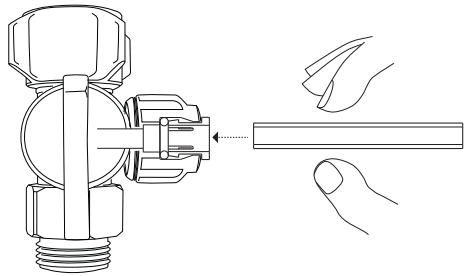
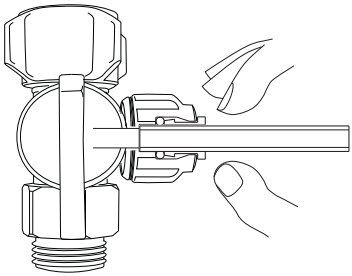
Figure 5 - SmartTee™ Quick Connect Fitting



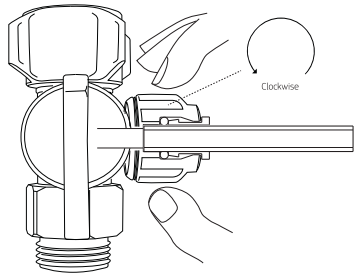
1. Turn the quick connect nut on the SmartTee™ anti-clockwise to release the collet.



2. Cut the tube square and push into the tube stop (inside the collet). For metal tube; remove burrs and chamfer tube end to prevent O-ring seal being damaged.

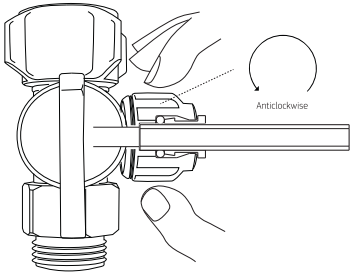


3. The fitting grips before it seals. Ensure the tube is pushed all the way into the tube stop.

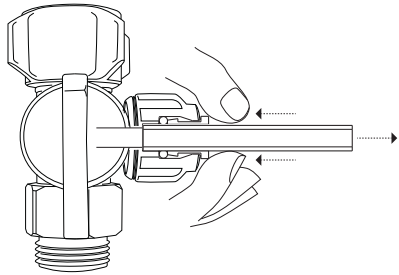


4. Once the tube is secured in position, turn the quick connect nut clockwise to secure.
   Note: Hand tighten only. Do not overtighten.

DISCONNECTION PROCEDURE



5. Turn the quick connect nut on the SmartTee™ anti-clockwise to release the collet.



6. Push the collet against the quick connect nut and slide tube out of fitting.

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Installation

VERY IMPORTANT! The following installation sequence must be followed in the correct order and as specified in this user guide by suitably qualified tradespeople. The unit and CO_2 Bottle must be installed upright (as depicted within this user guide) In the event of a leak or electrical fault, the unit must be isolated from both power and water. Advice should be sought out by the relevant licenced tradesperson.

Installation Note: A water filter system/tap, like any product, has a limited life and may eventually fail. Also sometimes failure happens early due to unforeseen circumstances. To avoid possible property damage, this product should be regularly examined for leakage and/or deterioration and replaced when necessary. A drain pan, plumbed to an appropriate drain or outfitted with a leak detector, should be used in those applications where any leakage could cause property damage, and/or the water supply should be turned off if no one is home/present.

1. Select a suitable position for the tap so that it dispenses into the sink bowl with ample clearance below the outlet and drill a 26 - 30mm hole.
2. Isolate the under sink/bench cold water supply.
3. Uninstall the connections on the cold water line and install the SmartTee™ as per the Exploded Diagram (see Fig. 6) and the reconnect the cold water line connections to the SmartTee™.
4. Using a straight cut off length of blue tube, connect the inlet of the multivalve to the outlet of the SmartTee™ Please see Fig. 6 for water flow direction and Fig. 8 for connection to the SmartTee™
5. Remove the black plastic nut from the tap thread and connect the wiring loom to the tap (see Fig. 6). Take care not to bend or break the pins.
6. Carefully feed the white tube and wiring loom through the sink/benchtop tap hole and place tap into position ensuring it sits flush to the sink/benchtop.
7. Slide the tap nut over the tap connections and screw the tap nut on and tighten making sure the tap is correctly positioned on top. Fixing the tap to a sink may require more care to align all the parts. HAND TIGHTEN with an additional ¼ - ½ turn ONLY. Do not overtighten as over-tightening may split the plastic nut.

   Note: For thin bench tops or a sink mount, use the supplied spacer, slipping it up the thread, followed by the black nut to tighten.
8. Connect the straight connector to the white tube on the tap (see Fig. 6).

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9. Choose the best position for the unit with the required 150 mm clearance for ventilation to the rear and top of the unit and in a suitable place where water spillage will not cause damage.
10. Select a suitable location for the Z1 Ultra Z Filtration System that is close to the unit.

    Note: Remember to allow access room for changing the filter and a suitable place where water spillage will not cause damage. Location should not be in direct sunlight.
11. Install the filter head by positioning it in the desired location, marking the position of the fixing holes, and securing the head with the provided screws OR suitable fasteners. (See Fig. 6) The filter system can be mounted horizontally or vertically.

    Note: Ensure flow arrow on the head is in the direction of water flow.
12. Install filter cartridge to the head assembly by pushing the cartridge into the head and rotating clockwise until it stops, ensuring the marked lock labels align.

    Warning: Ensuring the cartridge is in the correct lock position is critical prior to operating the system. Not being seated in the correct position can cause the locking tabs to shear and damage the head and/or water leakage.
13. With a length of blue tubing, connect the outlet of the multivalve to the inlet of the filter cartridge head (see Fig. 6).
14. With the remaining length of blue tubing, connect the outlet of the filter cartridge head to the inlet at the back of the unit (see Fig. 6) trimming back any excess tubing.
15. With the length of white tubing, connect one end to the straight connector and the other end to the Cold/Soda Water outlet at the rear of the unit, trimming back any excess tubing (see Fig. 6).
16. Attach the wiring loom from the tap to the unit, taking care not to bend or break the pins (see Fig. 6).
17. Leaving the power off, connect the power cord at the rear of the unit to the power outlet (DO NOT TURN POWER ON).

    Note: DO NOT turn on the water or power supply, this will be done in the Cold and Sparkling Commissioning steps.
18. Position the CO_2 bottle as close to the unit as possible, ensuring the bottle is upright.

    Note: Any CO_2 bottles should always be upright during use, storage and transit. If the bottle has been left horizontal, place upright and let stand for 60+ minutes to allow contents to settle before initialising. The SPARQ-CO2 is NOT refillable.
19. Ensure the regulator is in the off position by turning the black knob fully counterclockwise (-) until home (see Fig. 2).

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20. Connect the CO_2 bottle to the regulator by screwing the regulator clockwise onto the bottle firmly, but taking caution not to overtighten as this may cause the sealing rubber to perish and leak. Use soapy water on the connection between the bottle and regulator to test for leaks.

    Note: Some CO_2 will escape as the valve in the bottle is depressed during connection.

21. Attach one end of the black tube to the regulator (See Fig.2) and connect the remaining tube end to the "CO2 IN" connection at the back of the unit (See Fig.6) but DO NOT open the regulator, this will be done in the Soda/Sparkling Water Commissioning Sequence.

22. Check all tubes from the undersink unit to the tap ensuring there are no kinks in the tubing, and any tube sag is minimised as it can cause flow to be reduced.

23. Double check all tubes, fittings and connections to and from the unit and tap have been connected and fitted correctly.

24. Check all electrical connections are firmly fitted and there is no damage

Cold/Ambient Water Commissioning

1. Turn on the water supply at the inlet (SmartTee™ valve).

2. Turn on the power supply at the power point -The tap light should illuminate.

3. Flush the filters by pressing the cold button on the tap for 1-2 minutes followed by the ambient button for another 1-2 minutes or until water runs clear of carbon fines. (It is normal for black fines, cloudiness or micro-bubbles to come through during the filter flush).

   Note: To activate water flow, press the button once and the ring light on the top of the tap body will go green, then press and hold the button again for water flow.

4. Turn on the COLD power switch on the back of the chiller. The chilling indicator on the front panel of the unit will turn off once the correct temperature is reached.

   Note: The temperature is preset to 2-10 degrees within the tank. It takes approx 20-30 minutes to complete its chill cycle dependent on incoming water temperature and ambient surrounds of the unit.

Sparkling Water Commissioning

1. Ensure the CO_2 bottle is connected firmly to the regulator and the black gas tube is fitted correctly.

2. Slowly open the CO_2 regulator by turning the black knob clockwise (+) until the gauge reads 3 Bar.

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3. Turn off the water supply at the inlet (SmartTee™ valve).
4. Purge the soda water line of any air by pressing on the sparkling button on the tap for 30 seconds.

   Note: To activate water flow, press the button once and the ring light on the top of the tap body will go green, then press and hold the button again for water flow.
5. Turn on the water supply at the inlet (SmartTee™ valve).
6. Turn on the SODA power switch on the back of the unit and operate the sparkling button on the tap for 15 seconds allowing any excess CO_2 to be dispensed. Allow 1-3 minutes for the soda tank to fill completely.

   Note: The bar pressure on the CO_2 gauge will increase during this process. Venting from the CO_2 gauge and/or the pressure relief valve within the unit is normal during this step.
7. Operate the sparkling button on the tap for 10 - 15 seconds and allow the tank to refill for approximately 1 minute, repeating this process 1-3 more times or until water carbonation is noticed.

   Note: The bar pressure on the CO2 gauge will fluctuate between 3-4 Bar during this process and during normal operation. Allow 1-2 hours for the water to both chill and reach full carbonation.

   A small amount of water will come out after using the sparkling feature for 1-2 seconds. This is normal as the CO2 is purged from the line.

   The temperature is preset to 2-10 degrees within the tank. It takes approx 20-30 minutes to complete its chill cycle dependent on incoming water temperature and ambient surrounds of the unit.

Gas Replacement - As Required

1. Isolate the CO_2 by turning the black knob fully counter-clockwise (-) until home.
2. Unscrew the depleted CO_2 bottle from the regulator. (Turn the empty CO_2 bottle clockwise).

   Note: Some CO_2 may escape as the valve in the bottle is depressed.
3. Connect the new CO_2 bottle to the regulator by screwing the bottle counter-clockwise onto the regulator firmly, but taking caution not to overtighten as this may cause the sealing rubber to perish and leak.

   Note: Some CO_2 will escape as the valve in the bottle is depressed. Use soapy water on the connection between the bottle and regulator to test for leaks.

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4. Slowly open the CO_2 regulator by turning the black knob clockwise(+) until the gauge reads 3 - 4 Bar but not exceeding 4 Bar.
5. Operate the sparkling button on the tap for 10 - 15 seconds and allow the tank to refill for approximately 1 minute, repeating this process until water carbonation is noticed in the dispensed water.

   Note: The Bar pressure on the CO_2 gauge will fluctuate between 3-5 Bar during this process and normal operation.
6. Allow 1-2 hours for the water to both chill and reach full carbonation.

   Note: A small amount of water will come out after using the sparkling feature for 1-2 seconds. This is normal as the CO_2 is purged from the line.
7. Check with your local governing bodies for any disposal requirements and discard the empty bottle.

Filter Cartridge Replacement - Every 12 Months or When Taste Returns

1. Place a container or towel under the filter to catch any drips.
2. Isolate the water supply at the SmartTee™ and release water pressure by operating the cold button on the tap.
3. Rotate the old cartridge counterclockwise 1/4 turn, pull it out and dispose of it.
4. Remove all packaging from the new cartridge, including any wraps or caps (if applicable). Replacement cartridge Z1-R
5. Install filter cartridge to the head assembly by pushing the cartridge into the head and rotating clockwise until it stops, ensuring the marked lock labels align.

   Warning: Ensuring the cartridge is in the correct lock position is critical prior to operating the system. Not being seated in the correct position can cause the locking tabs to shear and damage the head and/or water leakage.
6. Turn on the water and check for leaks.
7. Flush the filter by pressing the ambient button on the tap for 2-5 minutes or until water runs clear of any carbon fines and micro-bubbles. (It is normal for black fines, cloudiness or micro-bubbles to come through during the filter flush).
8. Check for leaks, if any, rectify them before leaving the unit.

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Troubleshooting

SYMPTOMS	POSSIBLE CAUSE	POSSIBLE SOLUTION
No cold water.	Cold temperature switch is off.	Please turn the cold temperature switch on.
	Refrigerant is low.	Call your service provider.
	Problem with compressor or thermostat.	Call your service provider.
No cold water from tap.	Ice blockage.	Please turn off the power supply and allow 24 hrs for the blockage to melt.
	No water inside the cold water tank.	Please check mains water supply.
Reduced or no flow of water from tap.	Filter change due.	Replace filter.
Soda not working or flat.	CO_2 bottle is empty.	Replace CO_2 bottle.
	Soda power is off.	Turn on the soda power switch.
	CO_2 line needs re-commissioning.	Follow the Soda/Sparkling Water Commissioning steps.
	Not enough bar pressure.	Slightly increase CO_2 bar pressure. DO NOT exceed 4 bar.

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WARRANTY

Any claim under this warranty must be made within 2 years of the date of purchase of the product. This product is warranted to be free of defect of material and workmanship for 2 years from date of purchase.

Puretec is renowned for its quality and after-sales support so if you have any issues please call 1300 140 140 (AU) or 0800 130 140 (NZ). To make a warranty claim, contact us directly or the place of original purchase. All costs relating to a warranty claim must be approved by Puretec prior to any work being carried out.

2 year warranty is 1 parts and labour for residential use only. Excludes cartridges and canisters. Warranty excludes normal wear and tear and any misuse according to the user guide.

Puretec is not liable under this warranty if:

a. The appliance has been, or Puretec reasonably believes that the appliance has been used for purposes other than those for which the appliance was intended. This includes where the appliance has been used for any non-domestic purpose;

b. Surface finishes are damaged as a result of contact with improper materials,unsuitable or harsh cleaning products, improper cleaning, external impact or abuse or the effects of hard water;

c. The appliance is modified without authority of Puretec in writing;

d. The appliance's serial number or data plate has been removed or defaced.

Puretec will pay your reasonable, direct expenses of claiming under this warranty. You may submit details and proof of your expense claim to place of purchase for consideration.

The warranty only applies if the product was used and/or installed in accordance with the user guide and/or installation instructions. This warranty is given in lieu of all other express or implied warranties and manufacturer shall in no circumstance be held liable for damages consequential or otherwise or delays caused or faulty manufacturing except as excluded by law.

Applicable to all above, is that the warranties need to be approved by Puretec to ensure product was not incorrectly used, installed or claimed. False and incorrect claims will be pursued at Puretec's discretion, including chargeable inspection and labour costs incurred.

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Warranty/Australia

This warranty is given by Puretec Pty Ltd, ABN 44 164 806 688, 37-43 Brodie Road, Lonsdale SA 5160, telephone no. 1300 140 140 and email at sales@puretec.com.au.

This warranty is provided in addition to other rights and remedies you have under law: Our goods come with guarantees which cannot be excluded under the Australian Consumer Law. You are entitled to replacement or refund for a major failure and to compensation for other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

Warranty/New Zealand

This warranty is given by Puretec NZ LP, Reg. No 50081773, 178A Savill Drive, Favona, 2024, New Zealand, telephone no. 0800 130 140 and email at sales@puretec.co.nz.

This warranty is provided in addition to other rights and remedies you have under law: Our goods come with guarantees which cannot be excluded under the Consumer Guarantees Act. You are entitled to replacement or refund for a major failure and to compensation for other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

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