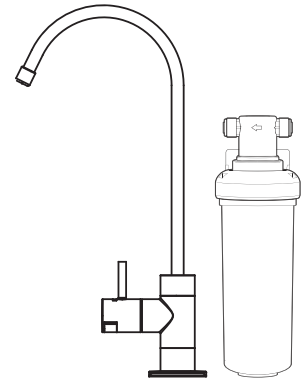
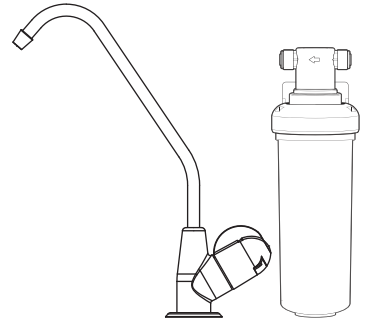




Puretec[®]
PERFECTING WATER



User Guide

Z12 / Z18

Quick Twist Undersink Water Filter System



WaterMark

AS/NZS 3497
Licence No. WM 74726
Australian Certification
Services

What's Inside

Operation	3
Cartridge Replacement.....	3
Installation Requirements and Procedure	3
Cartridge Changeout.....	4
Z12 Assembly.....	6
Z12 Faucet Connections.....	7
Z12 Battery Installation.....	7
Z12 Performance Data.....	8
Z18 Assembly.....	9
Z18 Faucet Connections.....	10
Z18 Battery Installation.....	10
Z18 Performance Data.....	11
Warranty.....	12



WARNING!

This product contains a button battery. Accidental ingestion may occur and can be fatal. Please keep out of reach from infants. If you suspect an accidental ingestion please contact emergency services.

Puretec Customer Service

Thank you for purchasing a Puretec Quick Twist Undersink Water Filter System. Your system is a proven performer manufactured from only quality materials and components and will give years of 'spring fresh' water free of impurities if maintained properly.

The Puretec Z12 & Z18 system cartridges need replacing regularly to maintain optimum performance. This is a simple procedure when following instructions. For cartridge replacements contact your nearest Puretec stockist.

Customer Service Helpline **1300 140 140** (Australia) **0800 130 140** (New Zealand).

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

Operation

The Puretec Z12 & Z18 systems are designed to run economically for many years dependent on the initial installation and periodical maintenance.

Flush systems for 10 minutes after any period of non-use more than 2 days. For a period of non-use of 2 weeks or more, it may be necessary to replace cartridge.

Cartridge Replacement

To maintain the high quality of the purified water the cartridges need changing every 6 months (Dependent on water quality and usage).

When replacing cartridge, ensure you reset the LED reminder light by removing/replacing the battery from the rubber seat. Please refer to Page 6 for a detailed diagram.

Order **Z1-R** for a replacement cartridge to suit your Z12 or Z18 system.

Installation

This system comes complete with an installation kit enabling it to be connected to 15 mm (½") male thread. This product must be installed in accordance with local plumbing regulations by a licensed plumber.

Installation requirements

- 1 15 mm (½") Cold water line - mains only
- 2 Supply pressure: 100 - 875 kPa.
- 3 Supply temperature 0° - 38°C (protect from freezing).
- 4 Suitable location for faucet.

Alternative fittings may be required if being connected to anything other than 15 mm (½") copper pipe. No electrical or drainage requirements needed.

Installation Procedure

1. Select suitable location that is close to the point of filtered water delivery (e.g. sink). Remember to allow access room for changing filters and a suitable place where water spillage will not cause damage. Location should not be in direct sunlight.
2. Isolate water supply. Uninstall the connections on the cold water line and connect the Smart Tee™. Reinstall the previous connection to the tee valve.
3. Connect the pressure limiting multivalve to the Smart Tee™ with a length of white tubing.

4. Choose the best position for the faucet, taking into consideration height of jugs etc. and also the drainage of any spills. Then drill a Ø12.5mm hole and install the faucet as in step 5.
5. To install faucet, place the escutcheon, o-ring, base upholder into the faucet (see figure 3 for Z12 models and figure 6 for Z18 models). Insert the faucet into the hole in sink or bench. Slip the large plastic washer and lock washer onto threaded end of faucet and screw on nut and tighten making sure faucet is correctly positioned on top.
6. Reset LED indicator by following instructions on Page 7 & 10.
7. Install filter cartridge by positioning it in the desired location, marking the position of fixing hole and fixing with bracket screw. (Z12 & Z18 Series can be mounted horizontally or vertically) Allow room for the connecting tubes. Ensure flow arrow on cartridge is in direction of waterflow.
8. Fit tubing into connectors (for quick-connect fittings see Fig 2 & Fig 5). Allow slack in the tubing.
9. Restore the water supply and check for leaks.
10. Run the system for at least 5 minutes to remove carbon fines. Water may appear milky, but this is normal and is only tiny air bubbles that will clear after a short period.

Cartridge Installation/Changeout

1. Rotate the old cartridge counterclockwise 1/4 turn, pull it out and dispose of it.
2. Remove all packaging from the new cartridge, including any wraps or caps (if applicable).

Replacement cartridge **Z1-R**

3. Insert the new cartridge into the filter head and rotate clockwise 1/4 turn.
4. Reset LED indicator by following instructions on Page 7&10.
5. Turn on the water and check for leaks. If leaks occur, repeat step 3. If leaks persist, discontinue use and call your supporting dealer.
6. Flush filter for 5 minutes before use or until water runs clear.

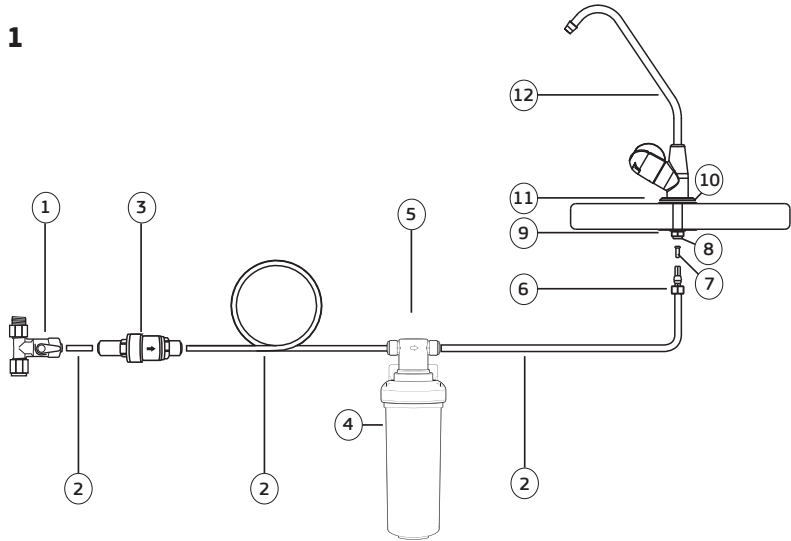
Use Guidelines

- Minimum operating pressure 200 kPa.
- Maximum operating pressure 689 kPa.
- Do not allow exposure to temperatures below 0°C, protect from freezing.

- Maximum operating temperature 38°C (protect from freezing).
- Nominal flow rate 5.5 Lpm.
- This system must be installed according to local plumbing codes on the cold water line - mains only.
- Replacement Cartridge: **Z1-R**
- This system requires regular replacement of the filter cartridge to maintain proper operation. Varying chlorine, sediment, or organic substance levels may affect replacement frequency.
- Be sure to change the filter cartridge at least every 23,000 litres or 6 months which ever occurs first; or whenever you detect a change in taste, odour, or decrease in flow.

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

Figure 1



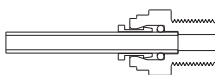
No.	DESCRIPTION				
1	Smart Tee™ ½”M x ½”F x ¼”T	4	Z1-R Filter Cartridge	9	Black Plastic Washer
2	Flexible Tubing	5	Mounting Bracket	10	Black Rubber Washer
3	Pressure Limiting Valve	6	Tube, Nut and Olive	11	Escutcheon Plate
		7	Tube Insert	12	Long Reach Faucet
		8	Faucet Lock Nut and Washer		

Figure 2

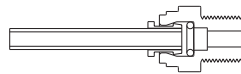
HOW TO USE QUICK CONNECT FITTINGS



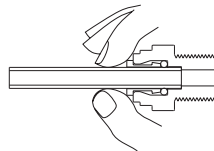
1. Cut the tube square and push in to the tube stop. For metal tube remove burrs and chamfer tube end to prevent O-Ring seal being damaged.



3. Tube is secured in position.



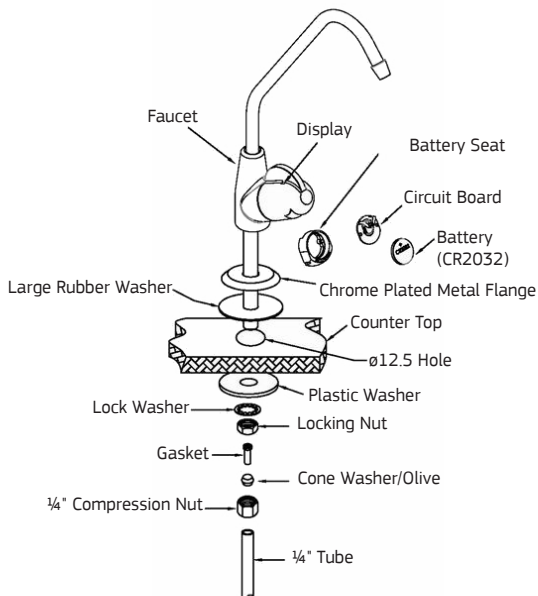
2. Fitting grips before it seals. Ensure tube is pushed in to tube stop.



DISCONNECTION PROCEDURE

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

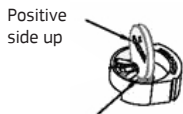
Figure 3



BATTERY INSTALLATION - LED REMINDER LIGHT

Important note: Battery must be replaced when changing cartridges.

1. Remove the black battery seat from the faucet lever handle (see Figure 3).
2. Install battery into the battery seat, positive side up.



Negative on the PCB

3. Reinstall battery seat assembly into the faucet lever.



4. Blue light flashes during normal operation.



5. Red light flashes indicates your cartridges are due to be changed (usage has exceeded 3,000 minutes or 12 months). **Please change the battery when changing the cartridges.**

Note: red light flashes twice and then followed by the blue light.



Performance Data

Substance	Guidelines*	Average Influent Concentration	Max Effluent Concentration	Min Percent Removal	Average Effluent Concentration	Average Percent Removal
NSF Standard 42 Drinking Water Treatment Units						
Chlorine (23,000 L)	5 - Health 0.6 - Aesthetic	2.1	0.3	50%	0.25	>94%
Standard 53 Cyst Live Cryptosporidium POU/POE						
Cyst	<1	100,000	ND (1)	99.98% +	ND (1)	99.99%

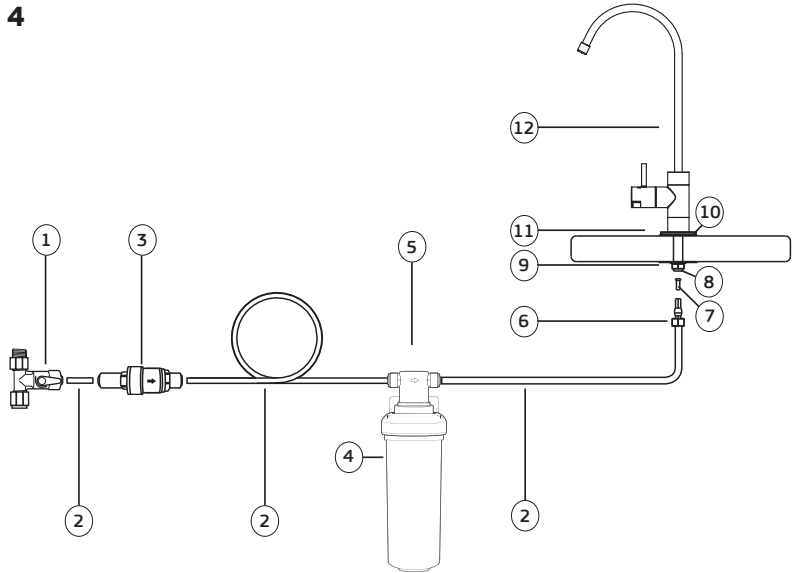
Test Parameters	
Hardness, Total mg/L	120
TDS mg/L	290
Temp deg C	21°C
Turbidity NTU	0.1
pH	7.57

*Australian Drinking Water Guidelines - 1996
ND = Not Detected

This appliance meets the domestic water treatment appliance Standards AS/NZS3497 for the following water treatment processes:

Class	Treatment type	Function	Pass
I	Microbiological Status		
	Bacteriostatic	Will stop bacteria increasing, but will not remove them unless II(a) is passed	N/A
II	Microbiological Treatment		
II (a)	Bacteria Removal	Will remove or inactivate bacteria	N/A
II (b)	Virus Removal	Will remove or inactivate virus	N/A
II (c)	Protozoa Removal	Will remove or inactivate Cryptosporidium and Giardia, but will not remove or inactivate bacteria and viruses unless II(a) and II(b) is passed	YES
III	Turbidity & Particulate Reduction	Reduces cloudiness	YES
IV	Taste & Odour Reduction	Reduces taste & odours	YES
V	Chemical Treatment	Decreases chlorine	YES

Figure 4



No.	DESCRIPTION
1	Smart Tee™ ½”M x ½”F x ¼”T
2	Flexible Tubing
3	Pressure Limiting Valve

4	Z1-R Filter Cartridge
5	Mounting Bracket
6	Tube, Nut and Olive
7	Tube Insert
8	Faucet Lock Nut and Washer

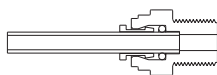
9	Black Plastic Washer
10	Black Rubber Washer
11	Escutcheon Plate
12	Long Reach Faucet

Figure 5

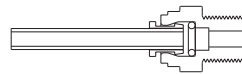
HOW TO USE QUICK CONNECT FITTINGS



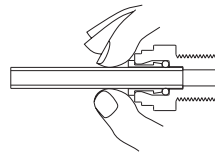
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3. Tube is secured in position.



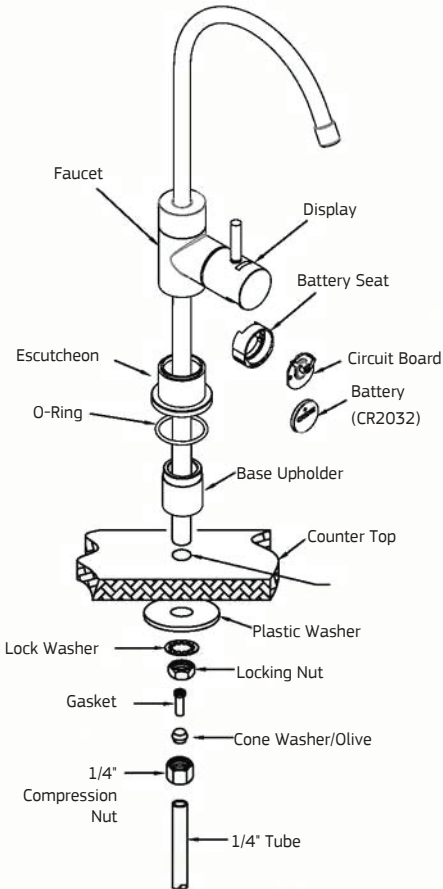
2. Fitting grips before it seals. Ensure tube is pushed in to tube stop.



DISCONNECTION PROCEDURE

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

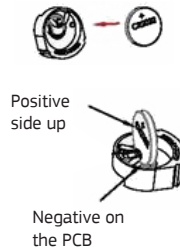
Figure 6



Battery Installation - LED reminder light

Important note: Battery must be replaced when changing cartridges.

1. Remove the black battery seat from the faucet lever handle (see Figure 6).
2. Install battery into the battery seat, positive side up.



Note: red light flashes twice and then followed by the blue light



3. Reinstall battery seat assembly into the faucet lever



4. Blue light flashes during normal operation.



5. Red light flashes indicates your cartridges are due to be changed (usage has exceeded 3,000 minutes or 12 months). **Please change the battery when changing the cartridges.**

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II (b)	Virus Removal	Will remove or inactivate virus	N/A
II (c)	Protozoa Removal	Will remove or inactivate Cryptosporidium and Giardia, but will not remove or inactivate bacteria and viruses unless II(a) and II(b) is passed	YES
III	Turbidity & Particulate Reduction	Reduces cloudiness	YES
IV	Taste & Odour Reduction	Reduces taste & odours	YES
V	Chemical Treatment	Decreases chlorine	YES

Notes

Puretec water care products are designed, manufactured and supported by Puretec Pty Ltd the name you can trust for viable and proven water solutions. The complete range of Puretec products are developed, refined, made to meet and exceed stringent specifications for the worldwide market.

Important: Sales of products are subject to our Terms and Conditions which are available upon request. All specifications, information and photos are a guide only and are subject to change without notice. Please ring to confirm details. Warning: For correct operation of this appliance it is essential to observe manufacturer's instructions.

Warranty

Any claim under this warranty must be made within 10 years of the date of purchase of the product. This product is warranted to be free of defect of material and workmanship for 10 years from date of purchase. 10 year warranty is 1 year parts and labour plus 9 years parts only. Excludes cartridges.

To make a claim under the warranty, take the product and proof of purchase to place where you purchased the product, and they will lodge a Warranty Request with Puretec.

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.

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 Ltd, Reg. No 4464398, Level 2, 40 Onehunga Mall, Auckland 1061, 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.