



Puretec X3 Inline Undersink Water Filter System User Guide

[Home](#) » [Puretec](#) » Puretec X3 Inline Undersink Water Filter System User Guide 

Contents

- [1 Puretec X3 Inline Undersink Water Filter System](#)
- [2 Product Information](#)
- [3 Product Usage Instructions](#)
- [4 Cartridge Replacement](#)
- [5 Installation](#)
- [6 Assembly](#)
- [7 Faucet Connections](#)
- [8 Performance Data](#)
- [9 Warranty](#)
- [10 Contact](#)
- [11 Documents / Resources](#)
- [12 Related Posts](#)



Puretec X3 Inline Undersink Water Filter System



Product Information

- **Product Name:** Puretec X3 / X4 Inline Undersink Water Filter System
- **Product Description:** The Puretec X3 / X4 Inline Undersink Water Filter System is designed to provide high-quality purified water for many years. It features a cartridge replacement system and a LED filter change reminder light (disabled for Australasian Consumers). The system is certified by AS/NZS 3497 and comes with Puretec's free email cartridge reminder service.
- **Caution:** This product contains a button battery. Keep it out of reach from infants as accidental ingestion may occur and can be fatal. In case of accidental ingestion, contact emergency services.
- **Cartridge Replacement:** The cartridges need to be changed every 6 – 12 months, depending on water quality and usage. When replacing the cartridge, make sure to reset the LED reminder light by removing/replacing the battery from the rubber seat. The replacement cartridge code for the X3 model is Puretec IL149Q and for the X4 model is Puretec IL150Q.

Product Usage Instructions

1. Installation:

- Select a suitable location close to the point of filtered water delivery (e.g., sink) that allows access room for changing filters and where water spillage will not cause damage. The location should not be in direct sunlight.

- Isolate the water supply and cut the copper pipe to install the adaptor ball valve.
- Connect the SmartTee™ to the multivalve using a piece of white tubing (refer to figures 1-3).
- Choose the best position for the faucet, considering the height of jugs, etc.
- Fit the tubing into connectors (quick-connect fittings, see Fig 2), allowing slack in the tubing.
- Restore the water supply and check for leaks.
- Run the system for at least 5 minutes to remove carbon fines. The water may appear milky, but this is normal and will clear after a short period.

2. Cartridge Installation/Changeout:

- Place a container under the filter to catch any drips.
- Isolate the water supply and release water pressure by operating the faucet lever.
- Disconnect the tubing from the cartridge and discard the old cartridge.
- Remove the packaging from the new cartridge and connect the tubing to either end of the cartridge. Ensure that the flow arrow on the cartridge is in the direction of waterflow.
- When replacing the cartridge, reset the LED reminder light by removing/replacing the battery from the rubber seat (refer to page 6 for a detailed diagram).
- Restore the water supply and check for leaks before leaving the unit.
- After installing cartridges, flush the unit for 5 – 10 minutes.

ATTENTION: For Australasian Consumers the LED filter change reminder light on this tap has been disabled/removed in order to comply with new Legislation “Consumer Goods (Products Containing Button/Coin Batteries) Safety Standard 2020 – F2020L01658” This does not affect the performance of the filter system in any way and you are eligible for Puretec’s free email cartridge reminder service.

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 inline 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 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).

Operation

- The Puretec inline undersink water filter systems are designed to run economically for many years and this is dependant 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 – 12 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.
- Replacement cartridge code for X3 model : Puretec IL149Q and X4 model : Puretec IL150Q

Installation

This system comes complete with an installation kit enabling it to be connected to 15 mm ($\frac{1}{2}$ ") male thread.

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.

Installation Requirements

1. 15mm ($\frac{1}{2}$ ") Cold water line – mains only.
2. Supply pressure: 100 – 520 kPa.
3. Supply temperature 0° – 38°C.
4. Suitable location for faucet.

Alternative fittings may be required if being connected to anything other than 15 mm ($\frac{1}{2}$ ") copper pipe. No electrical or drainage requirements needed.

Installation Procedure

1. Select suitable location that is close to the point of filtered water delivery (eg. 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 and cut copper pipe ready to install the adaptor ballvalve.
3. Connect the SmartTee™ to the multivalve with a piece of white tubing (see figures 1-3).
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). 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 6.
7. Install filter cartridge by positioning it in the desired location, marking the position of fixing hole and fixing with bracket screw (Puretec inline cartridge can be mounted horizontally or vertically). Allow room for the connecting tubes. Ensure flow arrow on cartridge is in direction of water flow.
8. Fit tubing into connectors (quick-connect fittings see Fig 2). 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. Place container under filter in case of drips.
2. Isolate water supply and release water pressure by operating faucet lever.
3. Disconnect tubing from the cartridge. Discard old cartridge.
4. Remove packaging from the new cartridge. Connect tubing to either end of the cartridge. Ensure flow arrow on cartridge is in direction of waterflow.
 - Replacement cartridge code for X3 model: Puretec IL149Q
 - Replacement cartridge code for X4 model: Puretec IL150Q
5. 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.
6. Restore water supply.
7. Check for leaks, rectify any, before leaving the unit. After installing cartridges flush unit for 5 – 10 minutes.

Use Guidelines

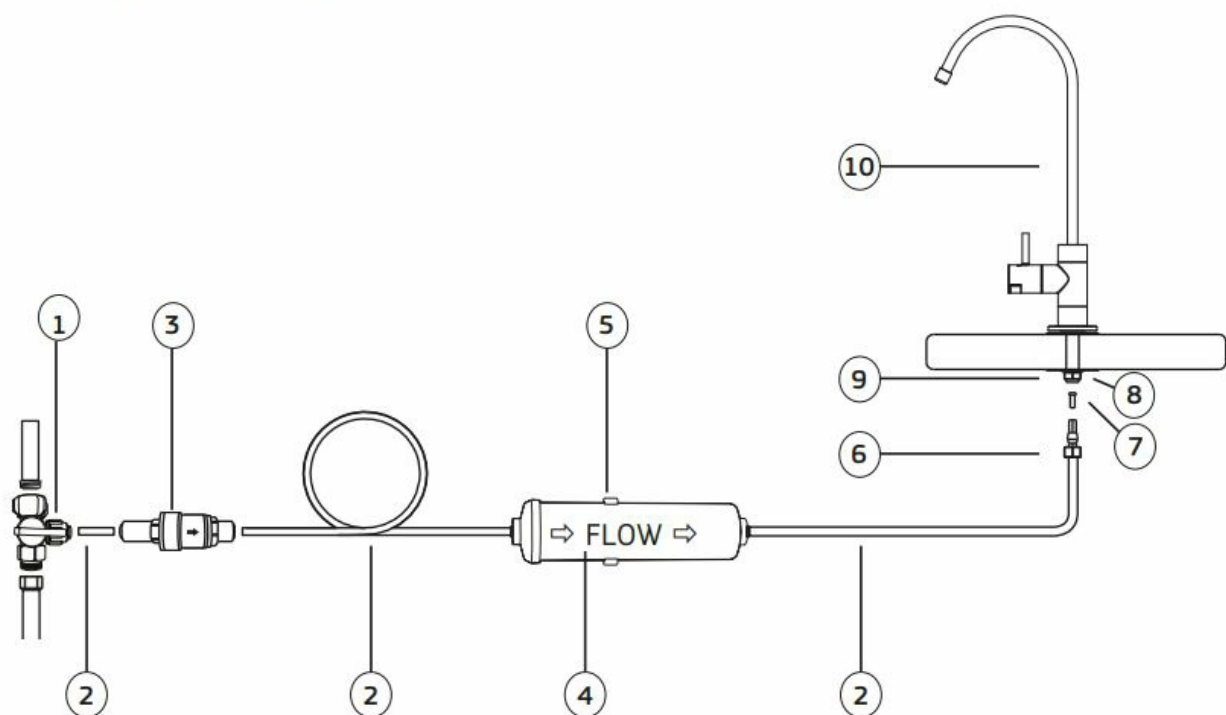
- Do not allow exposure to temperatures below 0°C. Protect from freezing.
- Maximum operating temperature 38°C.
- Maximum flow rate 1.9 Lpm.
- This product must be installed in accordance with local plumbing regulations by a licensed plumber on the cold water line – mains only.
- Replacement Cartridges: See Cartridge Changeout section.
- 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 9,500 litres or 6 – 12 months whichever 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.

Assembly

System Diagram

Figure 1 - System Diagram

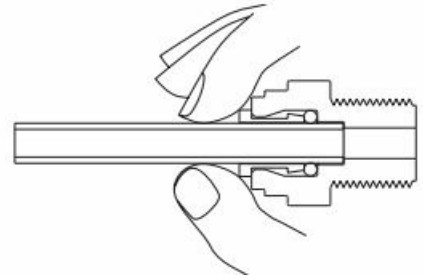
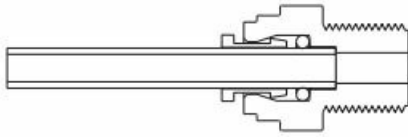


No.	DESCRIPTION			
1	SmartTee™ ½”M x ½”F x ¼”T		6	Tube, Nut and Ferrule
2	Flexible White Tubing		7	Tube Insert
3	Pressure Limiting Multivalve		8	Faucet Lock Nut and Washer
4	Inline Filter Cartridge		9	Black Plastic Washer
5	Mounting Bracket		10	LED Faucet

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 in to tube stop.

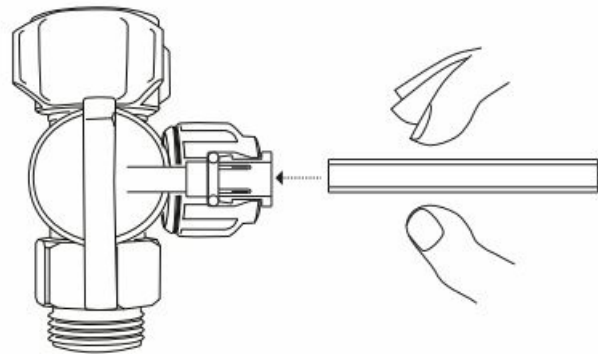
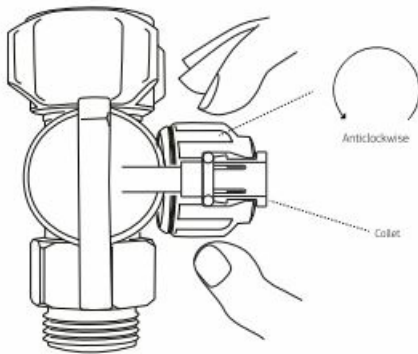


3. Tube is secured in position.

- DISCONNECTION PROCEDURE

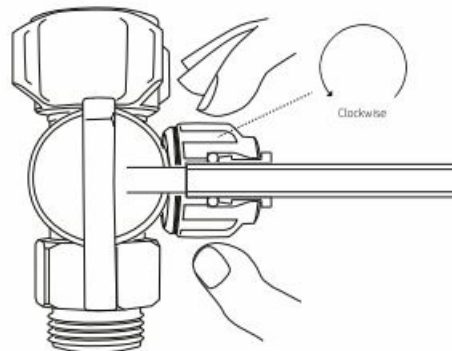
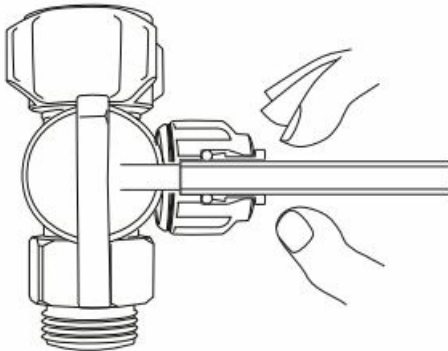
4. Push collet against body and slide tube out of fitting.

SmartTee™ Quick Connect Fitting



1. Turn the quick connect nut on the SmartTee™ anticlockwise to release the collet.

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

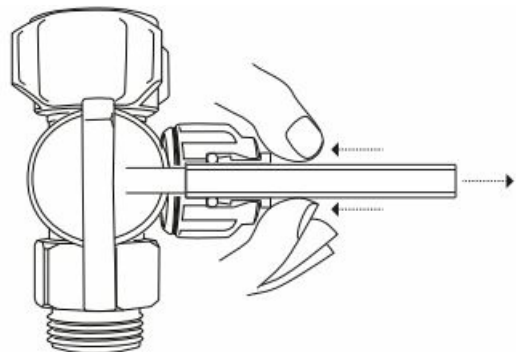
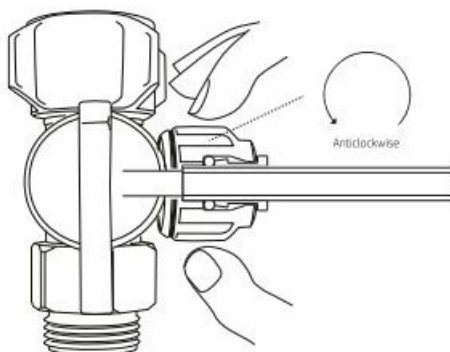


3. The fitting grips before it seals. Ensure the tube is pushed all the way into the tube stop.

4. Once the tube is secured in position, turn the quick connect nut clockwise to secure.

- **Note:** Hand tighten only. Do not overtighten.

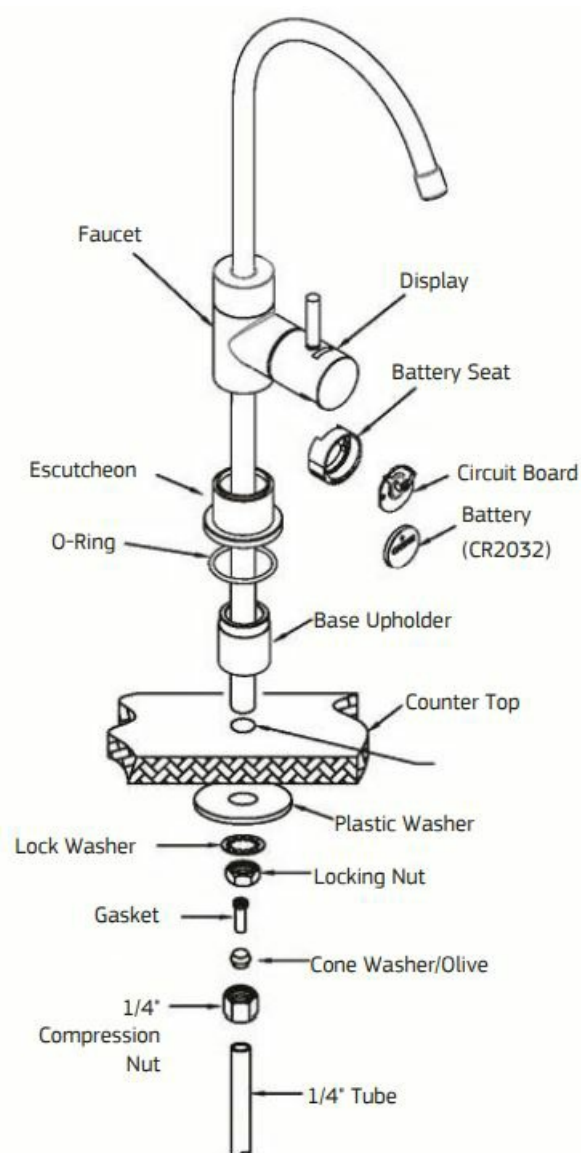
- DISCONNECTION PROCEDURE



5. Turn the quick connect nut on the SmartTee™ anticlockwise to release the collet.
6. Push the collet against the quick connect nut and slide tube out of fitting.

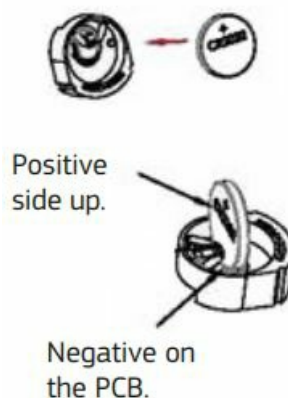
Faucet Connections

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.

- **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.

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 (9,500 L)	5 – Health 0.6 – Aesthetic	1.8	<0.1	25%	<0.1	>94%

Test Parameters	
TDS mg/L	310
Temp deg C	22
Turbidity NTU	ND (0.1)
pH	7.81

- 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	Will stop bacteria increasing, but will not remove them unless II(a) is passed.	N/A
	Bacteriostatic		
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.	N/A
III	Turbidity & Particulate Reduction	Reduces cloudiness.	YES
IV	Taste & Odour Reduction	Reduces taste & odours.	YES
V	Chemical Treatment	Decreases chlorine.	YES

Warranty

WARRANTY

Any claim under this warranty must be made within 3 years of the date of purchase of the product. This product is

warranted to be free of defect of material and workmanship for 3 years from date of purchase. Warranty is 1 year parts and labour plus 2 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 NZ LP, Reg. No 50081773, PO Box 875 Cambridge 3450 NZ, 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.

Contact

AUSTRALIA

- P 1300 140 140
- sales@puretec.com.au
- W puretec.com.au

NEW ZEALAND

- P: 0800 130 140
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