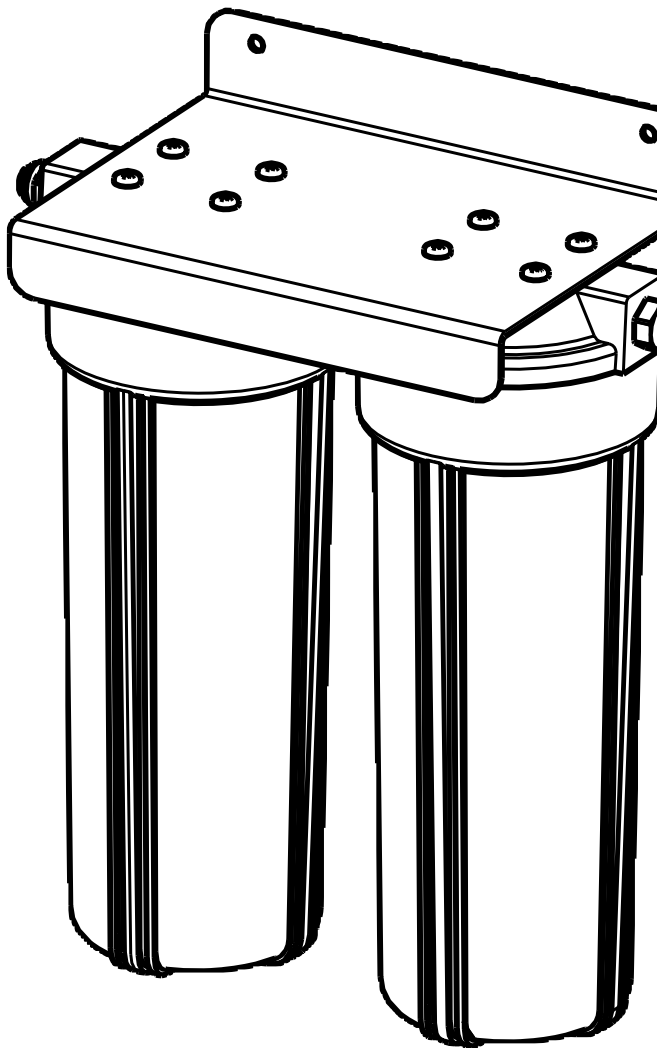




# *TS Series*

*Twin Undersink Drinking Water Systems User Guide*



**Puretec**<sup>®</sup>  
PERFECTING WATER



MAINS WATER

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## Puretec Customer Service

Thank you for purchasing a Puretec undersink drinking water system. Your system is a proven performer manufactured from only quality materials and components and will give years of 'spring fresh' water, if maintained properly.

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

The system is designed for metropolitan supply water but can be used in other situations. For other types of water supply please contact your local Puretec stockist or call our Puretec Customer Service Helpline.

The Puretec filter systems 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 undersink 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 cartridges.

This product must be installed in accordance with local plumbing regulations by a licensed plumber.

**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.

## Cartridge Replacement Guide

To maintain the high quality of the purified water the cartridges need changing every 6 - 12 months (dependent on water quality and usage).

You can obtain replacement cartridges from your local Puretec dealer and to maintain performance and warranty use genuine Puretec replacements.

System Model No	Replacement Cartridge
TS100	PX051, GC051
TS200	PX051, CB951

Other cartridges are available to suit a range of requirements upon request.

## Installation

This system comes complete with an installation kit, enabling it to be connected to 15mm (½") copper pipe (cold supply only - hot water should be filtered prior to heating). Included is a control valve incorporating backflow prevention, anti hammer, flow control and pressure limiting capabilities in full compliance with the relevant laws.

## Installation requirements

- 1 Hose: 1/4" QC Tee: 1/2: BSP (15 mm) Cold water line.
- 2 Min/Max pressure: 300 - 500 kPa. If pressure exceeds 500 kPa, an approved pressure limiting device needs to be fitted.

**Note:** Where line pressure exceeds 500 kPa, an approved pressure limiting device must be installed to comply with Australian & New Zealand Plumbing Standards.

- 3 Min/Max temperature 0° - 30°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 (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. Uninstall the connections on the cold water line and connect the Smart Tee™ (see Fig. 2). 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 12.5 mm hole and install the faucet as in step 5.
5. To install faucet, 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 (see Fig. 1).
6. Install housing assembly by positioning it in the desired location, marking the position of fixing holes and fixing with mounting screws. Allow room for the connecting tubes and for removing the filter bowls (50 mm).
7. Fit tubing into connectors (for quick-connect fittings see fig 4). Allow slack in the tubing. Make sure flow is right according to inlet outlet on housing assembly. For faucet connection see figure 2.
8. Install cartridges as per cartridge installation/changeout.
9. Restore the water supply and check for leaks. The filters need to be only hand tight. If they leak then undo housing and check the O-ring is seated properly.
10. Run the system for at least 10 minutes (push the faucet lever to the upright position) 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**

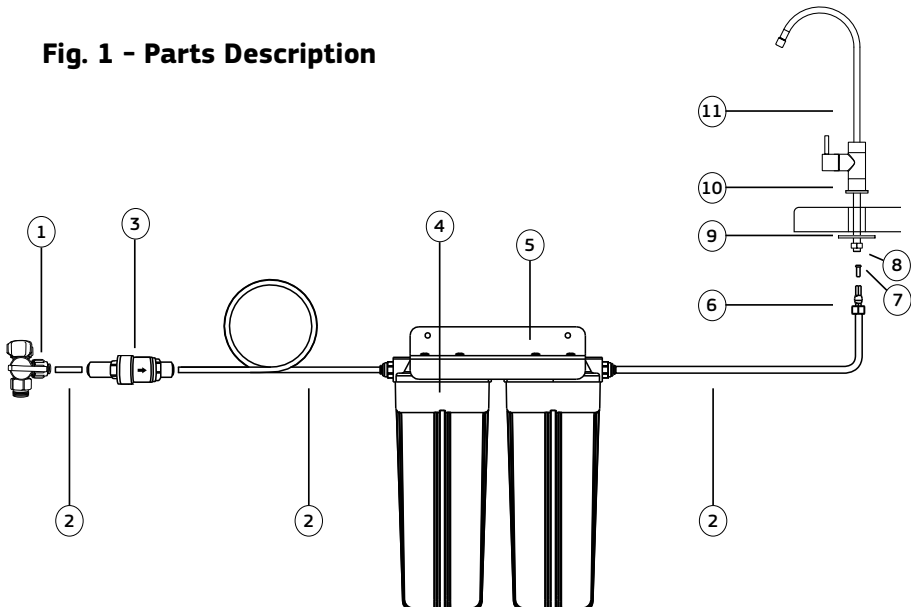
To change the filter cartridges, adhere to the following procedure:

1. Close ball valve to prevent water flow.
2. Relieve water pressure by operating faucet lever.
3. Unscrew filter housing bowl using the spanner wrench and discard cartridges. When removing housings, place a container underneath to catch any spillage.

4. Cleanse the inside of the housing using warm water. Check O-ring and lubricate with food grade silicone lubricant or similar. Replace O-ring if kinked or damaged (Part No: FPOR).
5. Install new cartridges and replace housing screwing them up **HAND TIGHT ONLY**. Sediment filter is on the inlet side and chemical on the outlet side.
6. Restore water supply & check for leaks, rectifying any before leaving the unit.

After installing cartridges, flush the unit for 5 - 10 minutes.

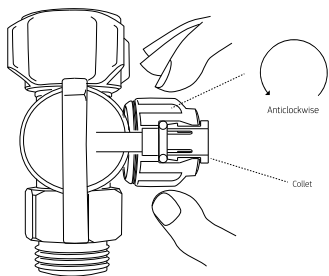
**Fig. 1 - Parts Description**



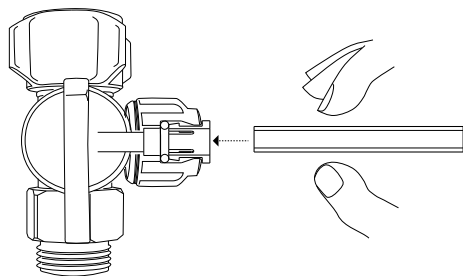
No.	DESCRIPTION
1	Smart Tee™
2	Flexible Tubing
3	Pressure Limiting Multivalve
4	Twin Housing Assembly
5	Mounting Bracket
6	Tube, Nut and Ferrule

7	Tube Insert
8	Faucet Lock Nut and Washer
9	Black Plastic Washer
10	Escutcheon Plate
11	High Loop Faucet

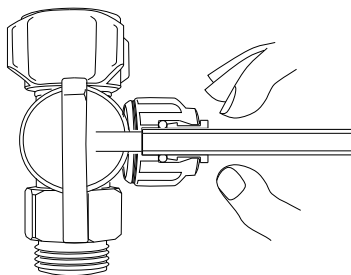
**Fig. 2 - SmartTee™ Quick Connect Fitting**



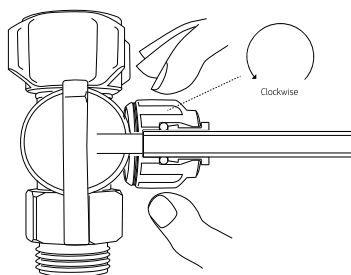
1. Turn the quick connect nut on the SmartTee™ anticlockwise to release the collet.



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.



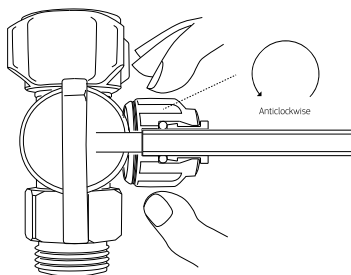
3. The fitting grips before it seals. Ensure the tube is pushed all the way into the tube stop.



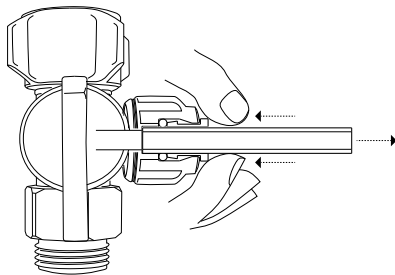
4. Once the tube is secured in position, turn the quick connect nut clockwise to secure.

Note: Hand tighten only. Do not overtighten.

## DISCONNECTION PROCEDURE



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

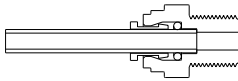


6. Push the collet against the quick connect nut and slide tube out of fitting.

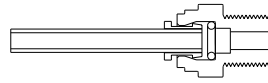
## Fig. 4 - How To Use Quick Connect Fittings



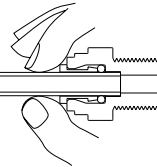
1. Cut the tube square and push in to the tube stop. For metal tube remove burrs and chamfer tube end to prevent O-Ring seal being damaged.



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.

## Use Guidelines

- Minimum operating pressure 300 kPa.
- Maximum operating pressure 500 kPa. If pressure exceeds 500 kPa, an approved pressure limiting device needs to be fitted.

**Note:** Where line pressure exceeds 500 kPa, an approved pressure limiting device must be installed to comply with Australian & New Zealand Plumbing Standards.

- Do not allow exposure to temperatures below 0°C.
- Maximum operating temperature 30°C.
- Nominal flow rate 4 Lpm.
- This system must be installed according to local plumbing codes on the cold water line.
- Replacement Cartridges: See Cartridge replacement 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 8,000 litres or 6 - 12 months which ever occurs first; or whenever you detect a change in taste, odour, or decrease in flow. 8,000 litres is approximately equal to using 20 litres daily for one year.

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



## 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. 3 year warranty is 1 year parts and labour, plus 2 years parts only. Warranty excludes consumables.

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.

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@puretecgroupp.com.

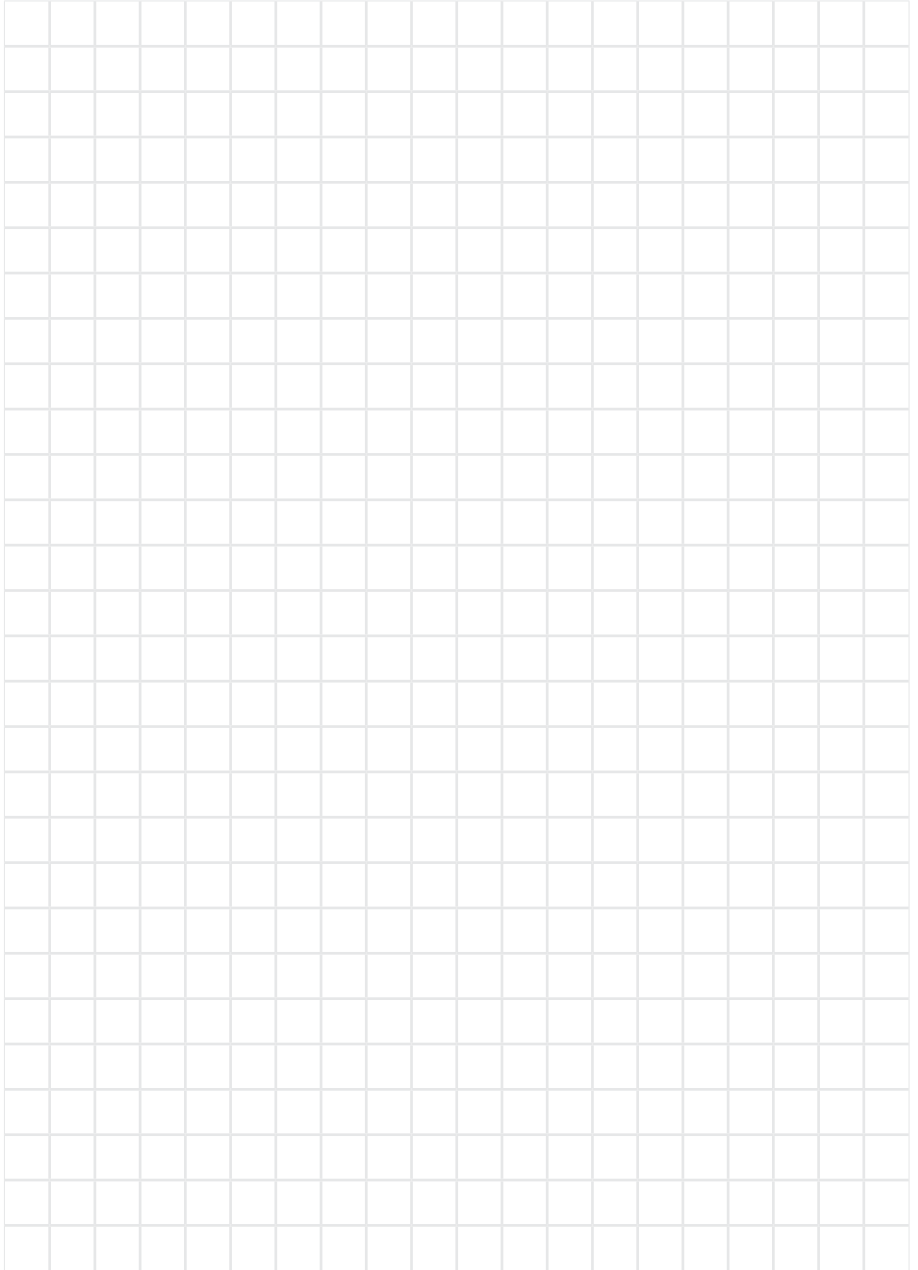
This warranty is provided in addition to other rights and remedies you have under law: Our goods come with guarantees which cannot be excluded under the Australian Consumer Law. You are entitled to replacement or refund for a major failure and to compensation for other reasonably foreseeable loss or 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

NZ Po Box - This warranty is given by Puretec NZ LP, Reg. No 50081773, PO Box 13116, Hillcrest, Hamilton 3251 NZ, telephone no. 0800 130 140 and email at sales@puretecgroupp.com.

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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