



Puretec CO-RO270P Series Reverse Osmosis Undersink Water Filter System User Guide

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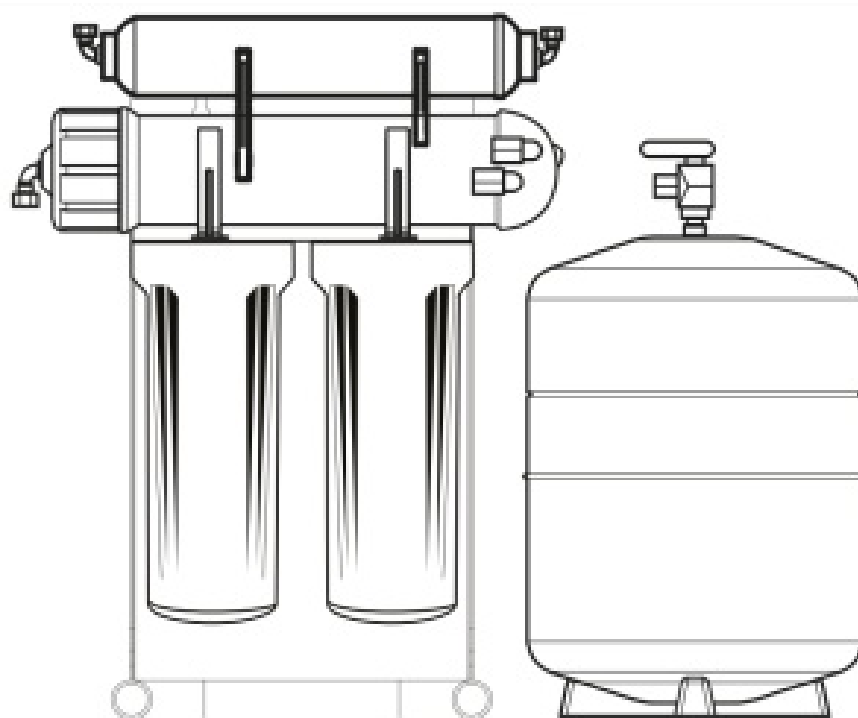
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Licence No. WM 74617

Australian Certification Services

*Components

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User Guide

CO-RO270 & CO-RO270P Series

Reverse Osmosis Undersink Water Filter System

For correct operation & installation, it is essential to observe these instructions.

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Puretec Customer Service

Thank you for purchasing the Puretec drinking 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 RO series 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. 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 prior to installing the tap. Customer Service Helpline 1300 140 140 (Australia) 0800 130 140 (New Zealand).

Minimum and Maximum Operating Conditions

Condition	Minimum	Maximum
Inlet Pressure	300 kPa	520 kPa
Inlet Temperature	0°C	30°C
Inlet TDS	50 mg/L	2,000 mg
Inlet Hardness	0 mg/L (0 grain)	171 mg/L
Inlet Silt Density Index	0	5 NTU

Operation

The Puretec RO series system is 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 for more than 2 days. For a period of non-use of 2 weeks or more, it may be necessary to replace the cartridge. Chrome Plated Surface – should only be cleaned with liquid detergent or soap and water. Under no circumstance should any abrasive or acid-based cleaning agents be used. **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 rain 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 SHOULD BE COMPLETED BY QUALIFIED TRADESPEOPLE. FAULTY OPERATION DUE TO UNQUALIFIED PERSONS WILL RESULT IN VOIDED WARRANTY COVERAGE.

Cartridge Replacement

To maintain the high quality of the purified water, the cartridge needs to change every 6 months (dependent on water quality and usage).

When replacing the cartridge, ensure you reset the LED reminder light by removing/replacing the battery from the rubber seat. Please refer to page 8 for a detailed diagram. Order PX051 & CB101 for replacement cartridges and RET1812-75 for replacement membrane to suit your CO-RO270 or CO-RO270P Series system.

System Installation

This system should be connected to 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 according to Australian Standards in full compliance with the relevant laws. Further plumbing connections will be required to connect the system to the water supply, an isolation valve is recommended (not included). The installation of a flush valve on the pure water outlet line prior to the foodservice equipment is required (not included). Caution: This product must be installed in accordance with local plumbing regulations by a licensed plumber.

Installation Requirements

- 1 13 mm (½") cold water line.
- 2 Supply pressure: 300 – 520 a.
- 3 Supply temperature 0° – 30 °C (protect from freezing).
- 4 Suitable location.

To provide supply water to the RO system inlet, a feed supply fitting is required or install pipe fittings as needed. The feed water valve should be located as close to the system as possible. USE COLD POTABLE WATER SUPPLY ONLY. Softened water is preferred as it will extend the life of the RO membrane.

Cartridge Installation

1. Unscrew filter housings using the spanner wrench (supplied). Membrane housing caps can be unscrewed by hand.
2. Install new cartridges and replace housings, screwing them up HAND TIGHT ONLY. PX051 filter is on the inlet side and CB101 on the outlet side. Install RET1812 on membrane housing. See Figure 1 (page 6).

NOTE: When removing the membrane from the packaging, only remove the outer shrinkwrap packaging, DO NOT remove any other packaging from the membrane.

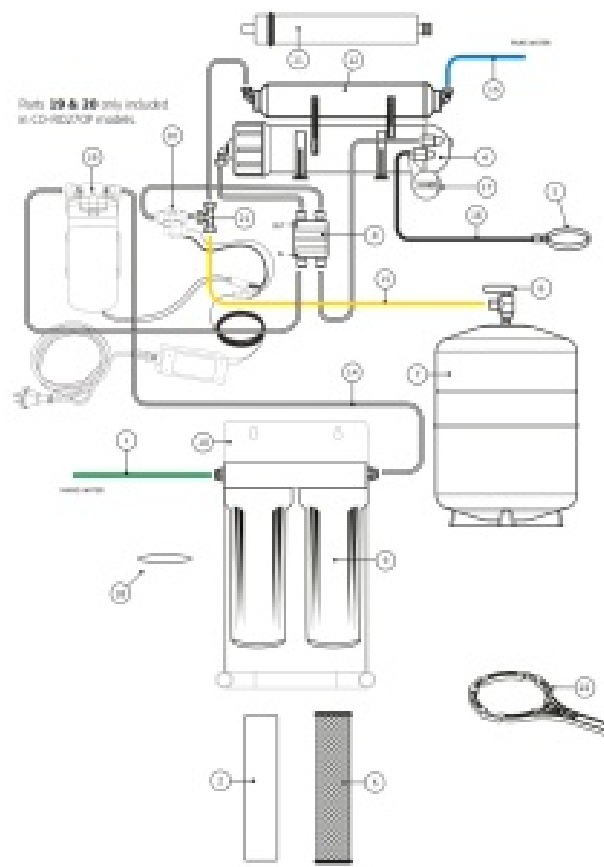
Installation Procedure

Important Note: Do not cut the BLACK tube when installing this system.

1. Find a convenient location for the filter system under the sink taking into consideration ease of access and best use of cupboard space. Allow 30 mm clearance under the system for cartridge replacement. Using self-tapping screws provided, attach the filter system to the cupboard wall in the desired location. Choose a location where water spillage will not cause damage and is out of direct sunlight.
2. Isolate water supply. Uninstall the connections on the cold water line and connect to the GREEN tubing.
3. Connect the BLUE tube (pure water outlet) to the flush valve (not included) and connect the flush valve to foodservice equipment.
4. Install the drain clamp by drilling a 4 mm hole in the waste pipe. Position the drain clamp above the trap. Connect 1/4" (BLACK) drain tube to drain clamp and tighten the compression nut. Do not allow the drain tube to protrude more than 10 mm into the drain, making sure the holes in the drain and the clamp are exactly aligned. This can be done by inserting a thin Phillips screwdriver through them whilst tightening the clamp.
5. When connecting the green, red, blue, and yellow tubes leave plenty of extra lengths so that the purifier can be repositioned during servicing without having to disconnect all the tubes.
6. Before installing the pressure tank the system will need to be flushed. Allow the system to fill with water, (CO-RO270P models: switch on the booster pump) and continue to flush for 5 minutes. **Note:** Place the yellow tube in a bucket/drain to collect the flushed water.
7. Once the system is flushed, turn off the pump and isolate the water supply. Screw the Ball Valve to the tank outlet and ensure the valve is open. Connect YELLOW tube to Storage Tank.
8. Open up the water supply, (CO-RO270P models: turn on the booster pump) and allow the storage tank to fill up the storage tank. To check that water is still being produced, check water is running to drain. This should continue for several hours until the tank is full. When the tank is full, the pressure in the tank will overcome the inlet water pressure and the shut-off valve will activate, shutting off the inlet water. To check this, check if water is running to drain. Once the tank is full no water should run to drain. To flush the system, allow the tank to fill, open the faucet outlet until water stops, close the faucet, and allow the tank to fill.
9. Reverse osmosis systems produce water slowly. To begin with, the tank will take 3 to 4 hours to fill. Fill and empty the tank twice before drinking water from the system. This is essential before drinking any water to flush away sterilizing solution used in the membrane.
10. Check all connections are tightened properly. Check for leaks.
11. When the unit is in place and the water lines are installed, the unit should be run for 4 hours before the purified water is used, on initial start-up. The unit cannot be stored for more than 2 weeks without use, or damage to the membrane may occur. Please enquire if this is the case. After a period of non-use greater than 2 days, flush for 10 minutes before use. For non-use greater than 2 weeks, the cartridges may need replacing.
12. The sediment and chemical removal filters should be replaced every 6 months. The membrane should be replaced when water quality deteriorates or every 18 – 24 months, depending on incoming water quality. For best performance use only genuine Puretec replacement cartridges and cartridges that are suitable for this system.

NOTE: When removing the membrane from the packaging, only remove the outer shrinkwrap packaging, DO NOT remove any other packaging from the membrane.


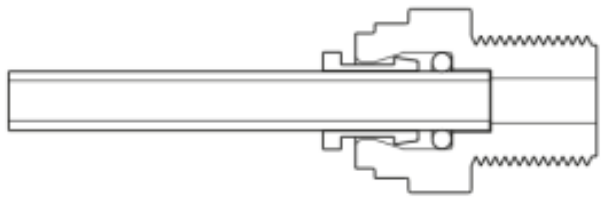
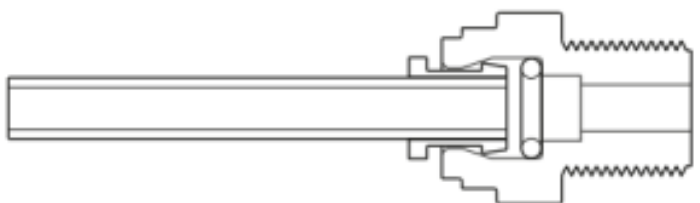
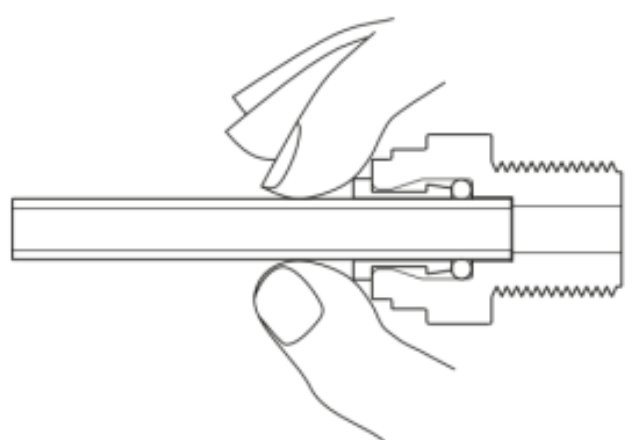
Figure 1 – Parts Diagram



Component Codes

No.	CODE	DESCRIPTION
1	KTU4G	GREEN FLEXIBLE TUBING
2	PXOS1	SEDIMENT REMOVAL FILTER
3	CB101	CHEMICAL REMOVAL FILTER
4	RA-HM	MEMBRANE HOUSING
5	RA-CL4	DRAIN CLAMP
6	KSOVE44N	TANK BALL VALVE (INCLUDED IN TANK MODELS ONLY)
7	CO-T4.2	CO-R0270 MODEL – 16L STORAGE TANK
	–	CO-R0270P MODEL – NOT INCLUDED
	CO-T4.2	CO-R0270P-16 MODEL – 16L STORAGE TANK
	CO-T10	CO-R0270P-37 MODEL – 37L STORAGE TANK
	CO-T20	CO-R0270P-75 MODEL – 75L STORAGE TANK
8	RA-VSOC	SHUT OFF VALVE
9	FP1OM	FILTER HOUSING X 2
10	–	RO SYSTEM STAND FRAME
11	RET1812-75	REVERSE OSMOSIS MEMBRANE
12	IL146	INLINE MINERALISER FILTER CARTRIDGE
13	KTU4BL	BLUE FLEXIBLE TUBING
14	KTU4W	WHITE FLEXIBLE TUBING
15	KTU4Y	YELLOW FLEXIBLE TUBING
16	KTU4BK	BLACK FLEXIBLE TUBING
17	RA-FR50	FLOW RESTRICTOR
18	FOR	O-RING X 2
19	RA-P100	BOOSTER PUMP (CO-R0270P MODELS ONLY)
20	–	PRESSURE SWITCH
21	KTC44	TEE CONNECTOR
22	FPSP	HOUSING SPANNER

Figure 2 – How To Use Quick Connect Fittings

	<p>1. Cut the tube square and push it into the tub For metal, tube remove burrs and chamfer tub</p>
	<p>3. Tube is secured in position.</p>
	<p>2. Fitting grips before it seals. Ensure tube is p</p>
	<p>DISCONNECTION PROCEDURE 4. Push coll</p>

Cartridge Changeout

To change the filter cartridges adhere to the following procedure.

1. Close the Smart Tee™ valve to prevent water flow and close the tank valve.
2. Relieve water pressure by operating the faucet lever.
3. When removing housings place a container underneath to catch any spillage. Unscrew filter housings using the spanner wrench and discard cartridges. Membrane housing the cap can be unscrewed by hand.
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.
5. Install new cartridges and replace housing, screwing them up HAND TIGHT ONLY. PX051 filter is on the inlet side and CB101 on the outlet side. Install RET1812-75 on membrane housing. See Figure 1 (page 6).

NOTE: When removing the membrane from the packaging, only remove the outer shrinkwrap packaging, DO NOT remove any other packaging from the membrane.

6. Restore water supply & check for leaks, rectifying them before leaving the unit.

Use Guidelines

- Operating pressure 300 – 520 a.
- Ideal tank pressure when empty 34 – 48 kPa (5 – 7 psi).
- Operating temperature 0 – 30 °C (protect from freezing).
- Maximum flow 270 liters per day.
- This system must be installed according to local plumbing codes 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 cartridges at least every 8,000 liters or 6 months whichever occurs first; or whenever you detect a change in taste, odor, or decrease inflow. 8,000 liters is approximately equal to using 20 liters daily for one year.
- Do not install in sunlight or outdoors.
- For use with PTFE tape only.
- Any use of liquid sealants will void the warranty.

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

Substance Reduction

	Class	Pass	Comment
Particular Reduction	III	YES	75% or more
Taste, Odour, Chlorine Reduction	IV	YES	75% or more
Cryptosporidium & Giardia Cyst Removal	Ik	YES	99.9% or more

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 is 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 the details. Warning: For the correct operation of this appliance it is essential to observe the manufacturer's instructions.

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 defects of material and workmanship for 3 years from the date of purchase. A 3-year warranty is 1-year parts and labor, plus 2 years parts only.

Excludes cartridges.

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 the 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 the 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 the product was not incorrectly used,

installed, or claimed. False and incorrect claims will be pursued at Puretec’s discretion, including chargeable inspection and labor costs incurred.

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

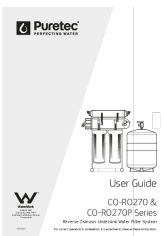
This warranty is given by Puretec Ltd, Reg. No 4464398, PO Box 875 Cambridge 3450 NZ, telephone no. 0800 130 140 and email at sales@puretec.com.nz. This warranty is provided in addition to other rights and remedies you have under law: Our goods come with guarantees which cannot be excluded under the 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.

AUSTRALIA P 1300 140 140 E sales@puretec.com.au W puretec.com.au

NEW ZEALAND P 0800 130 140 E sales@puretec.co.nz W puretec.co.nz



Documents / Resources

	<p>Puretec CO-RO270P Series Reverse Osmosis Undersink Water Filter System [pdf] User Guide</p> <p>CO-RO270, CO-RO270P Series, CO-RO270P Series Reverse Osmosis Undersink Water Filter System, Reverse Osmosis Undersink Water Filter System, Water Filter System</p>
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