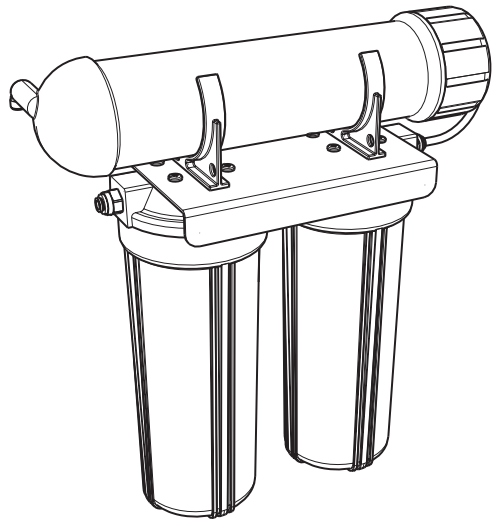




Puretec[®]
PERFECTING WATER



User Guide

PRO270

Portable Reverse Osmosis Water Treatment System

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Puretec Customer Service

Thank you for purchasing a Puretec PRO270 Water Treatment 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.

The Puretec PRO270 Water Treatment System cartridges needs 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 PRO270 Water Treatment System is designed to run economically for many years and this is dependent on the initial installation and periodical maintenance.

Flush systems for 10 minutes after any period of non-use more than 2 days.

The Puretec PRO270 Water Treatment System is designed to operate with mains water.

Cartridge Replacement

To maintain the high quality of the purified water the cartridges need changing every 6 months, dependent on water quality and usage.

You can obtain replacement cartridges from your local Puretec dealer. To maintain performance standards and warranty, use only genuine Puretec replacements.

Order the **PX051** (sediment cartridge) & **CB951** (carbon cartridge) for a replacement cartridges and **RET1812-75** replacement membrane to suit your PRO270 system.

Installation

This system comes complete with an installation kit enabling it to be connected to 15 mm (½") male thread to an existing tap or mixer tap (cold supply only - hot water should be filtered prior to heating). Also includes extending kit, where extra length is required.

Installation Note: A water filter system/tap, like any product, has a limited lifespan and if not replaced, will eventually fail. Failure can happen 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. We strongly recommend that a drain pan, plumbed to an appropriate drain or outfitted with a leak detector, be used in those applications where any leakage could cause property damage. We also strongly recommend that the water supply be turned off, upstream to the water filter system/tap, if no one is home for an extended period of time.

Installation Requirements

1. Water supply pressure: 300 - 875 kPa.
2. Water supply temperature: 0 ° - 30 °C (protect from freezing).

Alternative fittings may be required if being connected to anything other than a standard 15 mm tap.

Installation Procedure

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

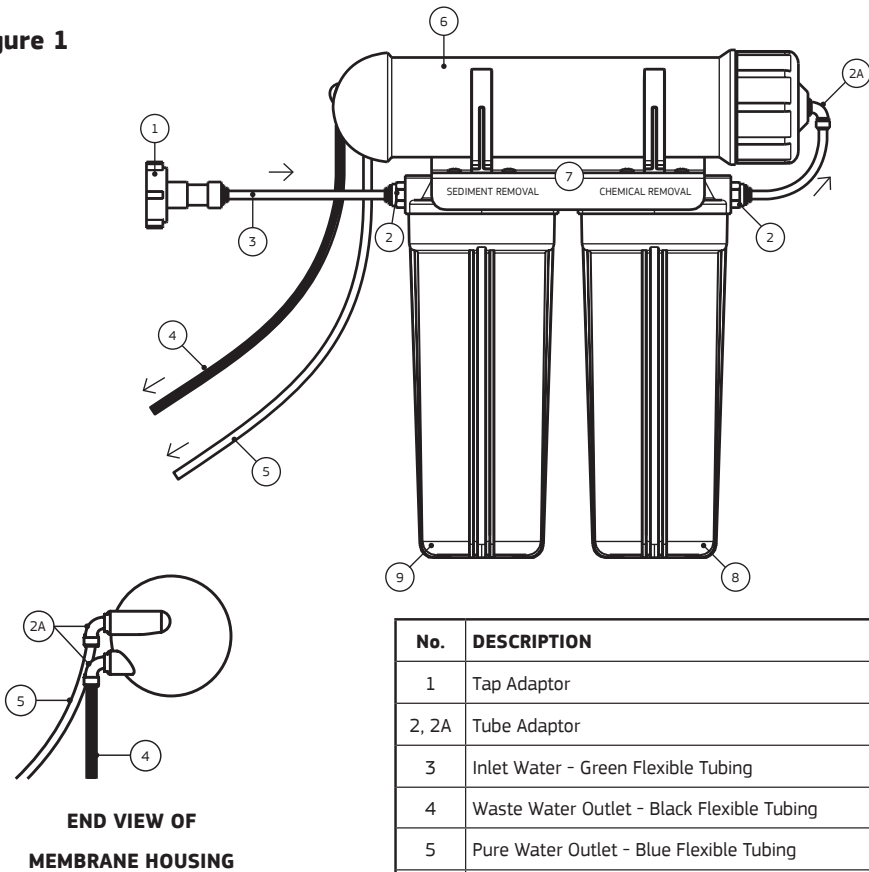
1. The unit comes with a tap adapter on the inlet side, identified by a GREEN tube, which will screw onto a standard tap without the need of thread seal tape. Make sure it is firmly screwed to provide a seal on the rubber gasket (hand tighten only).
2. To gain access to the mounting screw holes on the mounting bracket, simply unclip the R.O. housing from the clip attached to the main mounting bracket. This will reveal the wall mounting screw holes to enable the mounting of the system to the wall, cupboard etc.
3. Purified water (BLUE tube) and waster water (BLACK tube) lines do not come with any attachments. Pure water should be directed to a suitable container without any back pressure or valving occurring in the line. The drain line, or waste water may be directed to the outside garden, or if installed inside, to a washing machine, to conserve water. If inconvenient it may be directed to any drainage system.
4. 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 damaged to the membrane may occur. Please enquire if this is the case. For 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.

- 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. A Puretec TDS meter (PTE10) can determine quality for you at the push of a button.

For best performance use only genuine Puretec replacement cartridges and cartridges that are suitable for this appliance.

Figure 1



No.	DESCRIPTION
1	Tap Adaptor
2, 2A	Tube Adaptor
3	Inlet Water - Green Flexible Tubing
4	Waste Water Outlet - Black Flexible Tubing
5	Pure Water Outlet - Blue Flexible Tubing
6	Membrane Housing
7	Mounting Bracket
8	Chemical Filter Housing
9	Sediment Filter Housing

Cartridge Changeout

To change the filter cartridges adhere to the following procedure.

1. Close tap to prevent water flow.
2. Unscrew filter housing using the spanner wrench and discard cartridges. When removing housings place a container underneath to catch any spillage. Membrane housing cap can be unscrewed by hand.
3. Cleanse the inside of the housing using Puretec S500 Sanitiser. Check O-ring and lubricate with food grade silicone lubricant or similar. Replace O-ring if kinked or damaged.
4. Install new cartridges and replace housing screwing them up **HAND TIGHT ONLY**. PX051 filter is on the inlet side and CB951 on the outlet side.
5. Restore water supply & check for leaks, rectifying any before leaving the unit.

After installing cartridges flush unit for 5 - 10 minutes.

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

Use Guidelines

- Use for mains, rain, harsh and rural water supply.
- Minimum operating pressure 300 kPa.
- Maximum operating pressure 520 kPa.
- Do not allow exposure to temperatures below 0 °C (protect from freezing).
- Maximum operating temperature 30 °C.
- Nominal flow rate 11 Lpm.
- This system must be installed according to local plumbing codes on the cold water line only.
- Replacement Cartridge: **PX051 & CB951**
- Replacement Membrane: **RET1812-75**
- This system requires regular replacement of the filter cartridges 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 litres or 6 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.

- For use with thread seal tape only.
- Any use of liquid sealants will void warranty.

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

Minimum and Maximum Operating Conditions

Condition	Minimum	Maximum
Inlet Pressure	275 kPa (40 psi / 2.76 bar)	520 kPa (80 psi / 5.51 bar)
Inlet Temperature	4°C (40°F)	38°C (100°F)
Inlet TDS	50 mg/L	2,000 mg/L
Inlet Hardness	0 mg/L (0 grain)	171 mg/L (10 grain)
Inlet Chlorine	0 mg/L	1.0 mg/L
Inlet Silt Density Index (SDI)	0	5 NTU
Inlet Manganese	0 mg/L	0.05 mg/L
Inlet pH	4	10
Inlet Turbidity	0	1 NTU

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	IIc	YES	99.9% or more

The Water Filter models listed above have been tested and certified under AS/NZS 3497 and AS/NZS 4348 for reduction of chlorine, odour, particles, taste and turbidity. The performance of this product has been verified and substantiated as the test data summarised below indicates. These substances may not be in your water.

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 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. 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, 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.



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