



Puretec[®]
PERFECTING WATER



UFC Series User Guide

High pressure Filter Housing

Puretec Customer Service

Thank you for purchasing a Puretec Drinking Water Appliance. Your system is a proven performer manufactured from only quality materials and components. It will give years of reliability and trouble free operation if maintained properly.

This user guide is designed for Puretec Drinking Water Appliance. Be careful to ensure the information and illustration is applicable to your particular unit.

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

Flush system for 5 minutes or more, after any period of non-use, more than 2 weeks.

Note: For point of entry installations an approved dual check backflow prevention device must be installed. Where maximum line pressure exceeds 690 kPa, a pressure limiting valve must be installed.



Customer Support



Established Manufacturer



On the road support

AUSTRALIA

Customer Service: 1300 140 140
Email: sales@puretec.com.au
Web: www.puretec.com.au

NEW ZEALAND

Customer Service: 0800 130 140
Email: sales@puretec.co.nz
Web: www.puretec.co.nz

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This product is a high pressure filter and can filter tap water, ground water, cooling water, RO extraction and trade waste water by bag filtration or an RO reverse strain core.

The filter is made of from stainless steel and is welded to ensure maximum strength. The housing cap can be completely removed from the housing making filter change easy.

The filter is fitted with an adapter to suit multiple types of cartridge styles. A fixed lip on the inside of the filter is used for securing a bag filter and a bag filter basket protects the bag from damage

Installation Record

For future reference, fill in the following data

PRODUCT INFORMATION	
Model Number	
Serial / Batch Number	
Purchased from:	
Date of Installation	
Installer / Plumber Details	

Before Installation

Read the instructions, check that there is no damage to the unit and check if there is adequate space to mount the components. This product is a pressure vessel and adjustment to the unit should be done by a qualified professional such as a boilermaker.

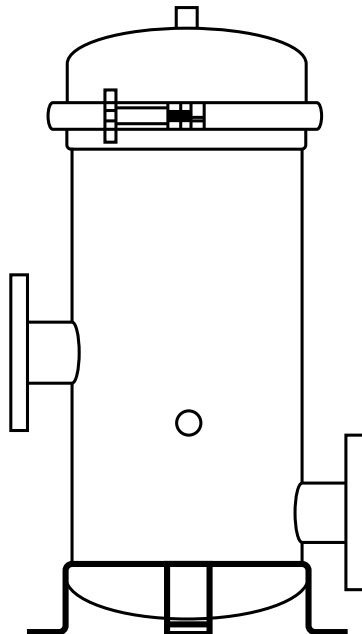
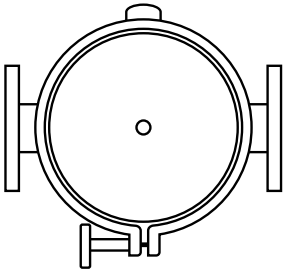
Note: Not all fittings are supplied with the unit. Isolation valves are not supplied.

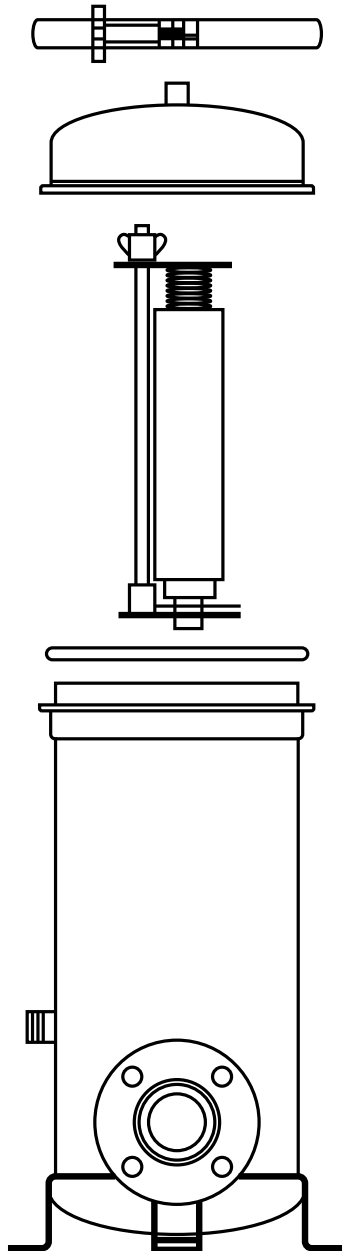
Check the mains water pressure is between 172 - 690kPa

NOTE: This product must be fitted to MAINS WATER ONLY

Specifications

Operating pressure min/max (water)	0 - 690 kPa
Operating temperature min/max	4 - 99°C
Inlet/outlet connection	50mm Flange





This filter housing must be installed on solid level ground. Vibration mounts can be used to reduce the risk of tank rupture if the unit is being mounted near heavy machinery.

A pressure relief valve should be installed before the inlet to protect the system from pressure surges.

The use of union fittings before and after the unit is advised to allow for unit removal during servicing.

All attached pipe work should be independently supported and should not induce any load on the filter housing.

INSTALLING THE UNIT

1. Connect the water inlet pipe work to the inlet flange.
2. Connect the water outlet flange to the outlet pipe work.
3. Install the drain valve in the drain port on the underside of the unit.
4. Install the pressure gauge and vent valve to the vent port on the cap of the unit.
5. Undo the clamp and remove clamp.
6. Remove the filter housing lid.
7. Undo the nut on the cartridge adaptor and remove the adaptor from the filter housing.
8. Remove the top plate from the adaptor.
9. Insert the adaptor into the centre of the cartridge and reattach the top plate of the adapter.
10. Make sure the adapter components are all aligned withing the centre of the filter cartridge.
11. Fasten the nut until firm and install the filter cartridge into the housing.
12. Check the O-ring is in the groove on the lip of the filter housing.
13. Place the housing lid in place and install the clamp.
14. Tighten the clamp screw tightly.
15. Close the drain port
16. Open the vent valve.
17. Open the water flow
18. Close the vent valve when water flows from the vent.
19. Check the unit pressure to ensure there are no leaks.

SYSTEM MAINTENANCE

Before performing any maintenance please close the inlet valve and release pressure via the drain port.

	MAINTENANCE	CYCLE
Filter housing	Keep the filter housing clear of debris and sharp objects or unnecessary items.	Everyday
Pressure gauge	Check that the pressure is within the correct specifications	Everyday
Water outlet	Check for leaks	Everyday
Water inlet	Check for leaks	Everyday
Tank body	Make sure there are no cracks or stress marks on the housing or any welds	Monthly
Support frame	Make sure there are no cracks or stress marks on the support frame or any welds	Monthly
Housing lid	Check for leaks and ensure O-ring is lubricated. Replace O-ring if perished.	Monthly
Filter bag	Replace with new filter bag	Monthly

If any damage, stress or cracks are found in either the housing, frame or any welds, please do not use the unit and contact Puretec immediately.

Differential pressure

It is important to regularly check the pressure differential across the unit during operation. Operating above the recommended pressure will affect the flow rate and reduce the efficiency. When the differential pressure exceeds 1.10kg/cm² it is time to replace the bag filter. (See pg.6)

If the pressure differential drops suddenly, cease operation and isolate the unit, purge the water from the unit and check the unit thoroughly for stress or fractures. Sudden pressure fluctuations can cause seal failure and/or filter rupture.

A lack of differential pressure indicates that no filtration is taking place. When filtration is taking place the inlet pressure should be slightly higher than the outlet pressure. Differential pressure will gradually increase as the filters start to retain more debris. If a lack of differential pressure is detected, stop the system and check for seal leaks or housing ruptures.

WARRANTY

Any claim under this warranty must be made within 1 year of the date of purchase of the product. This product is warranted to be free of defect of material and workmanship for 1 year from date of purchase. 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, 14-16 Bailey Street, St Marys SA 5064, 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, 47 Allwill Drive, Cambridge NZ 3493, 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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Puretec water care products are designed, manufactured and supported by Puretec 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. All pictures and information are supplied as a guide only. *Fittings not Included. ^3 Year Platinum Protection applies to Puretec Systems when used in conjunction with a Puretec filter cartridge. Warranty excludes cartridges.

Important Note: 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. Caution: Do not use with microbiologically unsafe water or water of unknown quality without adequate disinfection before or after the system. Under normal circumstances a pressure limiting valve is not required. However, if incoming water pressure exceeds 875 kPa, a pressure limiting valve must be fitted prior to inlet. Copyright © Puretec Ltd 2016

