



## Puretec IF Series Irrigation Filter Range User Guide

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**Puretec IF Series Irrigation Filter Range**



## Puretec Customer Service

The Puretec IF Series irrigation filter range prevents build-up and blockages in irrigation systems and is essential to ensure consistent water distribution. Irrigation filtration is vital to protect agricultural, landscape, and commercial investments, the IF Series filters reduce sediment to ensure irrigation systems remain working at their peak capacity. One of the most common challenges with any irrigation system is preventing blockages caused by various organic and inorganic materials. Blockages can severely decrease the irrigation system's performance and increase the need for frequent maintenance. The Puretec IF Series irrigation filters provide the solution for irrigators, homeowners, and industry, who want to reduce system maintenance, plant damage, and water and energy costs.

Customer Service Helpline 1300 140 140 (Australia) 0800 130 140 (New Zealand).

## IMPORTANT INFORMATION!

### Installation Requirements

- System Max Pressure Rating: See model specification table.
- DO NOT overtighten when connecting the filter to the piping. Too much tape or over-tightening may cause the product to split.
- Use PTFE thread seal tape on all connections. The use of pipe sealants will void the warranty.
- Ensure correct inlet/outlet orientation
- Use on cold water line only.

### 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.

## Cleaning

The filter requires cleaning when the pressure drop between the inlet and outlet reaches 0.5-0.6 bar (7-8 psi).

## Preparing Your System

Puretec systems are designed to run economically for many years, dependent on the initial installation and periodical maintenance. Please read all instructions carefully as failures caused by incorrect installation or operation are not covered by warranty. On removing your system from its carton you should check all the components to ensure all are present and have not been damaged in transportation. Remove all the packing materials prior to use.

As responsible manufacturers, we care about the environment. We urge you to follow the correct disposal procedure for your product and packaging materials. You must dispose of this product and its packaging according to local laws and regulations.

## Use Guidelines

- For the maximum operating pressure, refer to the specifications table.
- Maximum operating temperature 2-25°C, protect from freezing.
- For the nominal flow rate, refer to the specifications table.

## Model Specifications

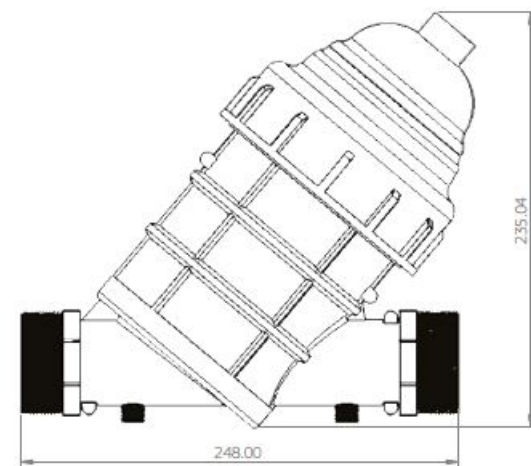
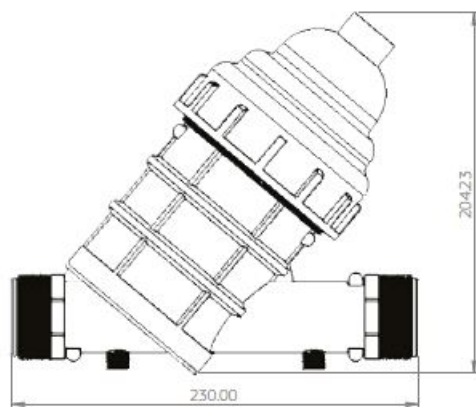
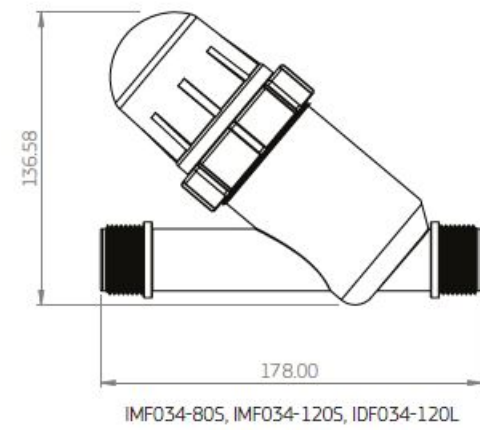
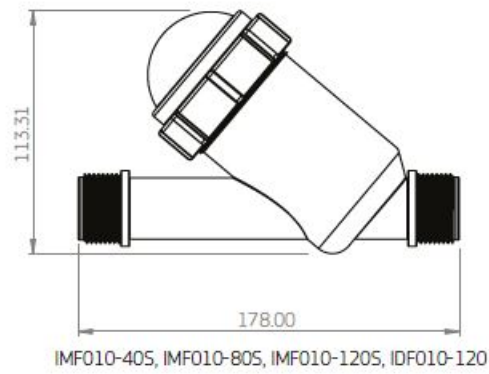
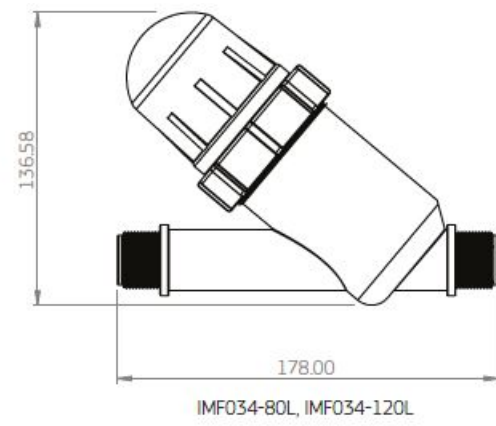
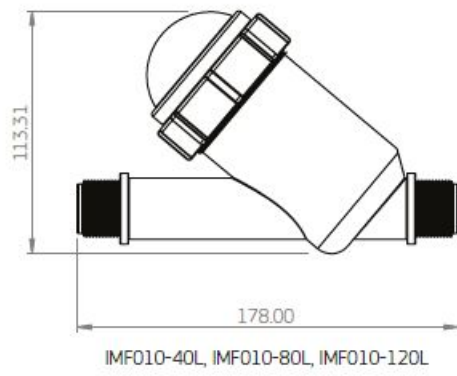
Model	Filtration Type	Mesh (Micron)	Inlet / Outlet Connections	Flow Rate	Max Pressure
IMF034-80S	SS Screen	80 (200)	3/4" (20 mm)	5m <sup>3</sup> /h	600 kPa
IMF034-120S	SS Screen	120 (125)	3/4" (20 mm)	5m <sup>3</sup> /h	600 kPa
IMF010-40S	SS Screen	40 (375)	1" (25 mm)	6m <sup>3</sup> /h	600 kPa
IMF010-80S	SS Screen	80 (200)	1" (25 mm)	6m <sup>3</sup> /h	600 kPa
IMF010-120S	SS Screen	120 (125)	1" (25 mm)	6m <sup>3</sup> /h	600 kPa
IMF034-80L	SS Screen	80 (200)	3/4" (20 mm)	5m <sup>3</sup> /h	600 kPa
IMF034-120L	SS Screen	120 (125)	3/4" (20 mm)	5m <sup>3</sup> /h	600 kPa

IMF010-40L	SS Screen	40 (375)	1" (25 mm)	6m <sup>3</sup> /h	600 kPa
IMF010-80L	SS Screen	80 (200)	1" (25 mm)	6m <sup>3</sup> /h	600 kPa
IMF010-120L	SS Screen	120 (125)	1" (25 mm)	6m <sup>3</sup> /h	600 kPa
IMF112-80	SS Screen	80 (200)	1 1/2" (40 mm)	14m <sup>3</sup> /h	800 kPa
IMF112-120	SS Screen	120 (125)	1 1/2" (40 mm)	14m <sup>3</sup> /h	800 kPa
IMF020-80	SS Screen	80 (200)	2" (50 mm)	25m <sup>3</sup> /h	800 kPa
IMF020-120	SS Screen	120 (125)	2" (50 mm)	25m <sup>3</sup> /h	800 kPa
IDF034-120	Disk	120 (125)	3/4" (20 mm)	4m <sup>3</sup> /h	800 kPa
IDF010-120	Disk	120 (125)	1" (25 mm)	5m <sup>3</sup> /h	800 kPa
IDF112-120	Disk	120 (125)	1 1/2" (40 mm)	14m <sup>3</sup> /h	800 kPa
IDF020-120	Disk	120 (125)	2" (50 mm)	Setting 1: 5 – 18m <sup>3</sup> /h Setting 2: 18 – 24m <sup>3</sup> /h Setting 3: 24 – 30m <sup>3</sup> /h Setting 4: 30 – 35m <sup>3</sup> /h	1000 kPa

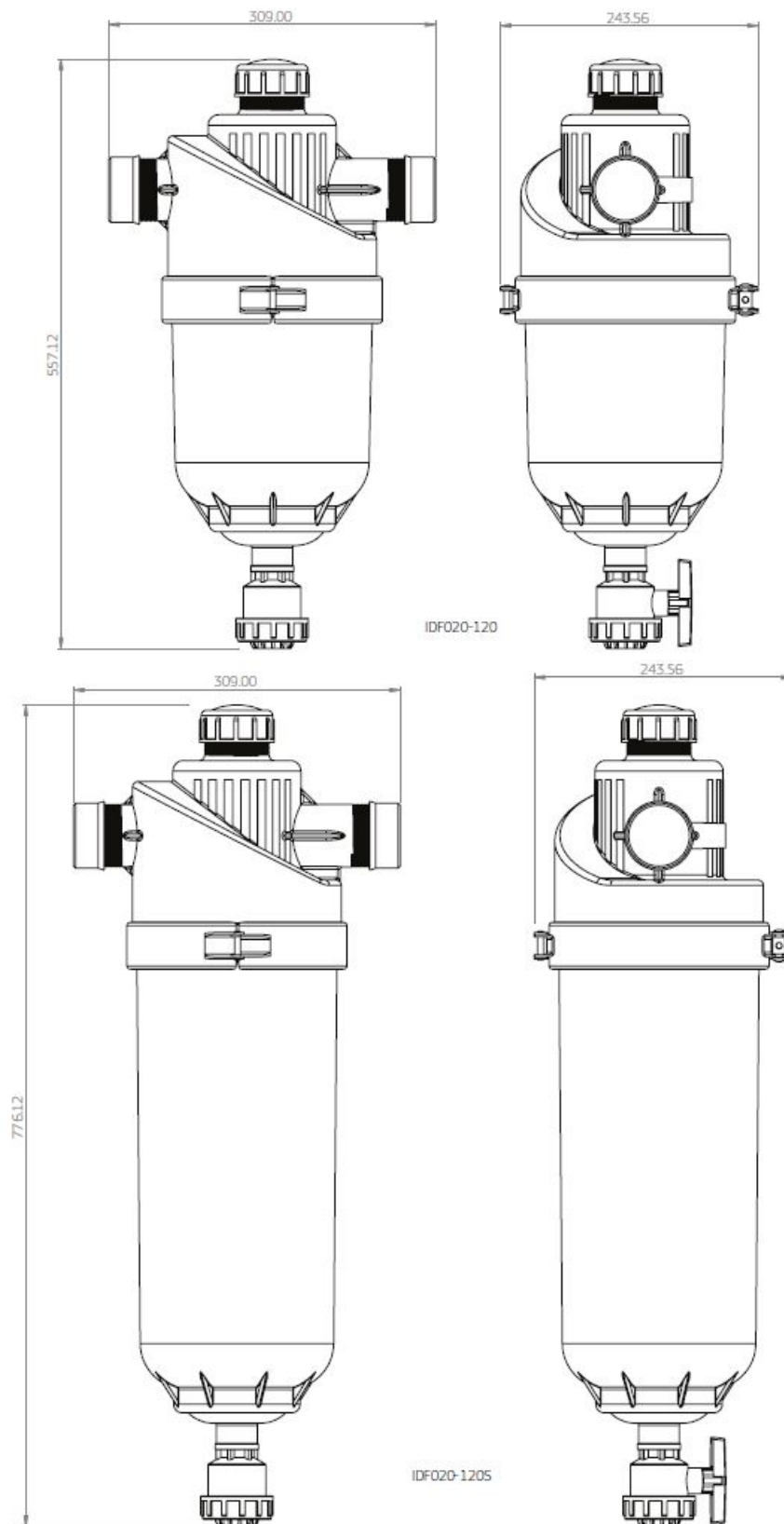
IDF020S-120	Disk	120 (125)	2" (50 mm)	Setting 1: 5 – 18m <sup>3</sup> /h Setting 2: 18 – 24m <sup>3</sup> /h Setting 3: 24 – 30m <sup>3</sup> /h Setting 4: 30 – 35m <sup>3</sup> /h	1000 kPa
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## Dimensions

### Mesh Screen Models



## Disk Filter Models



## Maintenance

To keep the filter in the best working order it is recommended that you follow the maintenance guidelines below.

- Perform a visual check of the filter housing and seals once a week. If needed, repair or replace as necessary.
- Clean the filter once a month or as required due to pressure drop, when the pressure drops across the filter reaches 0.6 bar (8 psi).
- Perform a deep clean at the beginning and end of the irrigation season.

**To remove organic material:**

Soak the screen in a 0.5% hypochlorite solution (bleach) for 30 minutes. Rinse with clean water and return to the filter according to the procedures above.

**To remove scale/calcium:**

Soak the screen in a bath of Puretec SC1000 ScaleSolve for 30 minutes. Rinse with clean water and replace back into the filter.

**Cleaning Mesh Screens**

1. Turn off the inlet feed water.
2. If the line is pressurized, depressurize the line by releasing a tap downstream.
3. Unscrew the filter cap, or if equipped, unfasten the clamp.
4. Remove the cap.
5. Pull out the filter element.
6. Clean the element using pressurized water (i.e.: garden hose). Use a soft brush for hard-to-remove particles.
7. Replace the element (ensure the O-rings have not been dislodged or lost).
8. Replace the filter cap, and if equipped, fasten the clamp.
9. Turn on the inlet feed water.
10. Check for leaks – tighten if necessary.

**Cleaning Disk Filters**

1. Turn off the inlet feed water.
2. If the line is pressurized, depressurize the line by releasing a tap downstream.
3. Unscrew the filter cap, or if equipped, unfasten the clamp.
4. Remove the cap.
5. Pull out the filter element
6. Loosen the tightening ring at the base of the spine.
7. Pull the spine to decompress the disk stack.
8. Clean the element using pressurized water (i.e.: garden hose). Direct a stream of water along the edge of the disks to clean with a spinning action.
9. Push the spine back into the body to compress the disk stack, ensuring the stack is uniform.
10. Tighten the ring at the base of the spine.
11. Replace the filter cap, and if equipped, fasten the clamp.
12. Turn on the inlet feed water.
13. Check for leaks – tighten if necessary.

**Replacement Parts**

You can obtain replacement mesh screen or disk filter elements from your local Puretec dealer. To maintain performance standards and warranty, use only genuine Puretec replacements.

**Mesh Screens Replacement Codes:**



Ordering Code	Description
IMR100-40	Irrigation Mesh Filter Replacement, 3/4"-1", 40 Mesh
IMR100-80	Irrigation Mesh Filter Replacement, 3/4"-1", 80 Mesh
IMR100-120	Irrigation Mesh Filter Replacement, 3/4"-1", 120 Mesh
IMR112-80	Irrigation Mesh Filter Replacement, 1 1/2", 80 Mesh
IMR112-120	Irrigation Mesh Filter Replacement, 1 1/2", 120 Mesh
IMR200-80	Irrigation Mesh Filter Replacement, 2", 80 Mesh
IMR200-120	Irrigation Mesh Filter Replacement, 2", 120 Mesh

#### Disk Filters Replacement Codes:

Ordering Code	Description
IDR100-120	Irrigation Disk Filter Replacement, 3/4"-1", 120 Mesh
IDR112-120	Irrigation Disk Filter Replacement, 1 1/2", 120 Mesh
IDR200-120	Irrigation Disk Filter Replacement, 2" Compact, 120 Mesh
IDR200S-120	Irrigation Disk Filter Replacement, 2" Super, 120 Mesh

#### Troubleshooting

Fault	Possible Cause	Suggested Action
Drop in the outlet pressure.	Element fouled.	Clean the element.
The connection is leaking.	The connection is not sealed correctly.	Disconnect the lines, and the threads & re-assemble the lines.

#### 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, and 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 correct operation of this appliance it is essential to observe the manufacturer's instructions.

## **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 defects of material and workmanship for 1 year from the date of purchase. A 1-year warranty is 1-year 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. All installation and service work should be completed by qualified tradespeople. Faulty operation due to unqualified persons will result in voided warranty coverage.

### **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](mailto:sales@puretec.com.au).

This warranty is provided in addition to other rights and remedies you have under the 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](mailto: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.

## **AUSTRALIA**

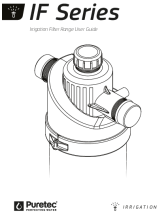
- P 1300 140 140
- E [sales@puretec.com.au](mailto:sales@puretec.com.au).
- W [puretec.com.au](http://puretec.com.au).

## **NEW ZEALAND**

- P 0800 130 140
- E [sales@puretec.co.nz](mailto:sales@puretec.co.nz).

- W [puretec.co.nz](http://puretec.co.nz).

## Documents / Resources

 <p><b>IF Series</b> Irrigation Filter Range</p> <p><b>Puretec</b> Irrigation Filter Range</p> <p>180/241/2N</p>	<p><a href="#">Puretec IF Series Irrigation Filter Range</a> [pdf] User Guide</p> <p>IF Series Irrigation Filter Range, IF Series, Irrigation Filter Range, Filter Range</p>
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[Manuals+](#).