For correct operation & installation it is essential to observe these instructions.
NOTE TO THE READER

WARNING This operating manual is your guide to installation, use and maintenance of this equipment and should be kept for future reference. It is considered to be an integral part of the equipment and must follow the equipment in case of sale, transfer, removal, etc. The instructions described herein are intended for your safety and should be read carefully before installing and using the equipment. We recommend that you carefully follow all the instructions, since the proper operation and duration of the equipment in time depends on it.

When in doubt while reading this manual or for any other question regarding installation, use and maintenance of the equipment please contact Puretec at 1300 140 140 (Australia) 0800 130 140 (New Zealand).

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.
DIMENSIONS

**IMB25**

<table>
<thead>
<tr>
<th>Code</th>
<th>Connection</th>
</tr>
</thead>
<tbody>
<tr>
<td>IMB25</td>
<td>1&quot;</td>
</tr>
<tr>
<td></td>
<td>100</td>
</tr>
<tr>
<td></td>
<td>310</td>
</tr>
<tr>
<td></td>
<td>240</td>
</tr>
<tr>
<td></td>
<td>400 min.</td>
</tr>
<tr>
<td></td>
<td>100</td>
</tr>
</tbody>
</table>

**IMB50**

<table>
<thead>
<tr>
<th>Code</th>
<th>Connection</th>
</tr>
</thead>
<tbody>
<tr>
<td>IMB50</td>
<td>2&quot;</td>
</tr>
<tr>
<td></td>
<td>265</td>
</tr>
<tr>
<td></td>
<td>361</td>
</tr>
<tr>
<td></td>
<td>289</td>
</tr>
<tr>
<td></td>
<td>400 min.</td>
</tr>
<tr>
<td></td>
<td>109</td>
</tr>
</tbody>
</table>

Filter dimensions are expressed in millimeters.
IMPORTANCE AND SCOPE OF THE MANUAL

This document contains the instruction manual for use and maintenance as well as assembly and installation information which have been designed to provide general information about use and operation of the equipment. This document contains instructions and requirements which are not supposed to replace any requirements and current legislation.

For any questions regarding installation, use or maintenance of the equipment please contact Puretec at 1300 140 140 (Australia) 0800 130 140 (New Zealand).

MANUAL’S OWNERSHIP CLAUSE

The content of this manual is the exclusive property of Puretec and may not be reproduced, copied in any form (electronic or paper), sold or used for other purposes other than those herein specified. The manual should not be submitted to third parties without written approval from Puretec. Any person who engages in unauthorized use or abuse, could be subject to prosecution under law. Puretec reserves the right to make changes without notice to its products and manuals, and without any obligation to update manuals or previous productions.

RECOMMENDATIONS

After opening the box, check the integrity of the equipment and ensure all items are present. Only genuine spare parts should be used to replace damaged parts. The equipment is identified with a label bearing the serial number, year of production and the manufacturer’s references. Puretec releases itself of any responsibility in cases where the manual has not been adhered to. Assembly, installation and preventative maintenance must be performed by qualified tradesman only.

For answers to any questions you may have regarding installation, use or maintenance of the equipment please contact Puretec at 1300 140 140 (Australia) 0800 130 140 (New Zealand).
1. GENERAL INFORMATION

1.1 Puretec IMB Series Scope and Non-Recommended Uses.

The Puretec IMB is a semi-automatic, self cleaning filter designed to maintain and protect equipment. It has a micron rating of 89. The Puretec IMB Series protects hydraulic distribution systems and piping from damage caused by impurities. Such impurities include, pebbles, rust, scale and other kind of oxides, as well as metal trimmings with a maximum size of 2 mm.

**Warning!** The Puretec IMB filter is not suitable for filtration of water containing:
- A large amount of sand.
- Coarse bodies greater than 2 mm.
- Silt.
- Chemicals (oils, solvents, acids, bases, glycols).

Puretec IMB Series filters must not be used to filter closed loop water.

To filter process water and/or for applications other than those described please contact Puretec on 1300 140 140 (Australia) or 0800 130 140 (New Zealand).

1.1 Manufacturer Identification

Puretec Pty Ltd
Tel.: 1300 140 140 (Australia) or 0800 130 140 (New Zealand)
www.puretecgroup.com
E-mail: sales@puretecgroup.com

**IMB25**

**IMB50**

Connection Kit (n°2 tailpieces and nuts with seals)
1.3 Puretec IMB Series Filters Parts

1.4 Puretec IMB Series Operation

Often filters exclusively remove the dirt accumulated in the bowl, without cleaning the cartridge. The Puretec IMB Series guarantee an efficient and thorough cleaning of the filter cartridge too, thanks to its brushing and discharge, patented system.

1.5 Performances and Technical Datasheet

<table>
<thead>
<tr>
<th></th>
<th>IMB25</th>
<th>IAB50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Connections</td>
<td>inches</td>
<td>1&quot; F</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2&quot; M</td>
</tr>
<tr>
<td>Flow Rate (ΔP=0.2 bar)</td>
<td>m³/h</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td></td>
<td>14.2</td>
</tr>
<tr>
<td>Flow Rate (ΔP=0.5 bar)</td>
<td>bar</td>
<td>9.6</td>
</tr>
<tr>
<td></td>
<td></td>
<td>22.6</td>
</tr>
<tr>
<td>Min/Max Water Pressure</td>
<td>kPa</td>
<td>150 - 1600 (1.5 - 16 bar)</td>
</tr>
<tr>
<td>Min/Max Water Temperature</td>
<td>°C</td>
<td>0°C - 30 °C Protect from freezing.</td>
</tr>
<tr>
<td>Filtration Rating</td>
<td>micron</td>
<td>89</td>
</tr>
</tbody>
</table>

1.6 Specification for Water to be Treated

Puretec IMB Series filters have been designed and created for the treatment of drinking water. If the water to be treated is not potable please contact Puretec at 1300 140 140 (Australia) 0800 130 140 (New Zealand).

Puretec IMB Series filters cannot be used to filter water containing any kind of chemicals (for example acids, bases, solvents, detergents, antifreeze, glycols etc.).
2. INSTRUCTIONS FOR PERIODIC MAINTENANCE

2.1 Periodic Maintenance

Periodically perform the following checks:

Filter cleaning

Puretec recommends backwashing the screen every 3-4 days, or at user discretion, whenever there is a drop in pressure. If necessary, backwashing can be repeated.

During the backwashing process, the filter discharges some water. The discharge can be run off to a drainage point. To clean the filter externally (handle, brass body and bowl) use a warm damp cloth.

<table>
<thead>
<tr>
<th>FILTER CLEANING</th>
</tr>
</thead>
<tbody>
<tr>
<td>1° “CLICK” BACKWASH</td>
</tr>
<tr>
<td>Rotate the green handle clockwise until the first “click”. Keep the handle in this position for a few seconds, until all of the build up has been removed from the filter cartridge.</td>
</tr>
<tr>
<td>2°“CLICK” FILTRATION</td>
</tr>
<tr>
<td>Rotate the green handle clockwise again to bring the filter back into operating position with the discharge valve in the neutral position.</td>
</tr>
</tbody>
</table>

**Warning!** In order to obtain an effective cleaning of the filter a minimum water pressure of 2 bars is required. If necessary, during the filter cleaning operation, the shut off valve positioned downstream of the filter should be closed.

2.2 Inactivity

After long periods of inactivity, it is recommended to backwash the system repeatedly (2 or 3 times), keeping the filter in the backwash position for 30 seconds to allow adequate flushing of the system. When the hydraulic distribution system is being cleaned or sanitised, the Puretec IMB Series should also be included in the process. Sanitisation is part of preventative maintenance and must be performed by qualified personnel only.
2.3 Periodic checks

It is advisable to undertake a biannual service by an authorised technician to ensure the system continues to perform.

2.4 Preventative Maintenance

Preventative maintenance or repair may affect function and/or safety features if improperly executed: all of these operations are deliberately omitted in this manual. All preventative maintenance and repair operations not covered in this manual should be performed by authorised Puretec personnel only or by a qualified tradesperson. In case of damages or peculiar problems please contact Puretec.

3. TROUBLESHOOTING

<table>
<thead>
<tr>
<th>Problem</th>
<th>Cause</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Serious decrease in flow and/or pressure after the filter.</td>
<td>Filtering element is full of sediment.</td>
<td>Backwash.</td>
</tr>
<tr>
<td>Leakage from the discharge valve.</td>
<td>Discharge valve not completely closed due to the presence of a foreign body in the seat. Filter phased-out.</td>
<td>Contact Puretec.</td>
</tr>
</tbody>
</table>

4. FILTER DISPOSAL

Collect filter disposal separately from other waste. Give the equipment to appropriate separate waste collection centres when it has reached the end of its life. If in any doubt about appropriate means of waste disposal, contact your local council.
ASSEMBLY AND INSTALLATION

5.1 Before the Installation

**Warning!** This filter must be installed in accordance with the national plumbing codes & by a licenced plumber.

Puretec IMB Series filters are not equipped with any flooding control as standard. Please consider anti-flood devices appropriate for your application.

Suitable for cold water only. Not to be used with water over 30°C.

5.2 Requirements for the Place of Installation

The Puretec IMB Series must be installed indoors, in a dry and clean environment, protected from weather, frost and direct exposure to sunlight. Do not install Puretec IMB Series filters in wells, near drains, or in smelly places. Do not install near wells or drains. Do not expose to chemical vapours, gas or fumes. Ensure the system is installed in a position that is easily accessible for maintenance.

Ambient temperature (min/max): 0 – 30°C (protect from freezing)

5.3 Laws, Regulations and Standards

The installation of Puretec IMB Series filters must be performed in compliance with local laws, regulations and standards.

5.4 Instruction for Installation

Before installing the filter, clean pipes and appliances installed upstream of the filter to eliminate foreign material which can cause malfunction. If the level of cleanliness in the system is not adequate you should sanitise the system and the possible storage tanks before installation. The filter should not be installed between the boiler and safety devices.
Puretec recommends this filter is installed after a non-return valve & also a bypass system to allow the filter to be bypassed in the unlikely event of a filter failure.

**Warning!** The filter should be protected internally & externally from coming in contact with solvents, oils, acidic or caustic substances. Water hammer should be limited and/or eliminated if possible to avoid damage to the filter. If the plastic filter bowl has experienced severe impact in transit, even if there is no visible damage, it should be replaced prior to being installed.

5.5 **Hydraulic Checks After Installation**

Turn on the water and check for leaks;
1) Verify that the equipment is correctly positioned for easy maintenance.
2) Check for compliance of installation with local plumbing standards.
Verify that there are no leaks from the entrance and exit connections and from the filter drain connection.

When in doubt please contact Puretec for assistance on 1300 140 140 (Australia) or 0800 130 140 (New Zealand).

5.6 **Allowed Installation Schemes**

| Follow the water flow direction indicated by the arrow on the brass head of the filter. | Detail of the discharge execution. |

**Warning!** It is necessary to install the filter following the water flow direction indicated by the arrow on the brass head of the filter. Any other arrangement may cause the non proper operation of the device. The filter discharge connection must be drained off.

When in doubt please contact Puretec for assistance on 1300 140 140 (Australia) or 0800 130 140 (New Zealand).
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. 1 year warranty is 1 year parts and labour. Excludes cartridge.

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.