

**GENERAL INFO**
**IRON FILTRATION WATER TREATMENT SYSTEMS**

Iron and hydrogen sulphide (bad odour) removal even in harsh conditions.

The Puretec IRX Series are advanced catalytic iron removal systems, designed specifically for applications where both iron and sediment are present. Iron is usually the cause of the notorious orange-brown staining often seen on fences and buildings, and indoors in wet areas such as toilet bowls. In addition to staining, at higher levels it causes corrosion and damage to valves and fixtures. Unlike traditional iron removal systems, the IRX Series is also suitable where low levels of Hydrogen Sulphide are present - one of the most common causes of bad odour in ground water.

**FEATURES & BENEFITS**

- Designed to reduce staining & deposits from iron, manganese and sediment.
- Prevent the staining and rust build up in your water system.
- Automatic backwash – set and forget.
- Stores system configuration and operation data in non-volatile memory.
- Weather resistant cover for controller.
- Weatherproof transformer.
- Flexible programming options.
- Volume-based backwash options available for up to 450,000 litres/day from a single unit.


**IRX2000**

Auto backwash, 20Lpm,  
25mm connection


**IRX3000**

Auto backwash, 30Lpm,  
25mm connection

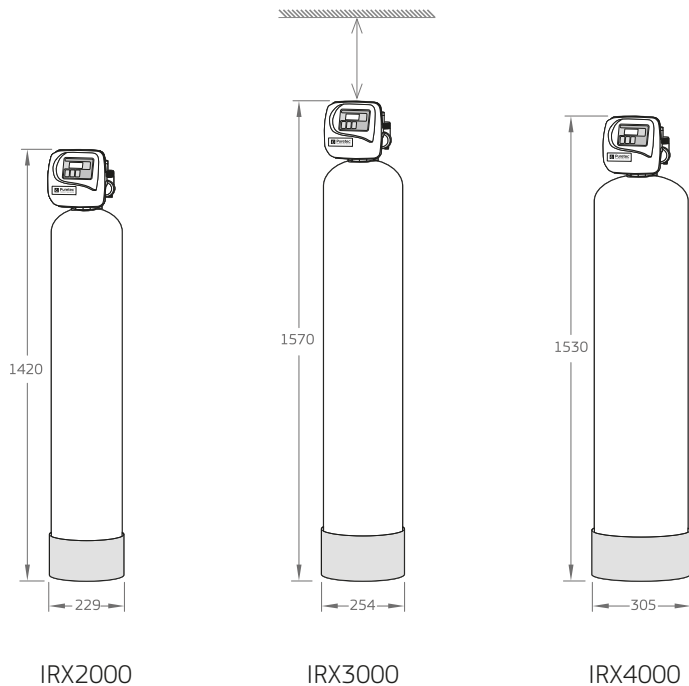

**IRX4000**

Auto backwash, 40Lpm,  
25mm connection

Ordering Code:	IRX2000	IRX3000	IRX4000
Valve:	Automatic E1-matic	Automatic E1-matic	Automatic E1-matic
pH Range:	6.5 - 9	6.5 - 9	6.5 - 9
Service Flow Rate:	20 Lpm	30 Lpm	40 Lpm
Maximum Flow Rate:	70 Lpm	80 Lpm	90 Lpm
Inlet / Outlet / Drain Connections:	1" Male BSPT, 1" Drain	1" Male BSPT, 1" Drain	1" Male BSPT, 1" Drain
Min/Max Operating Pressure:	138 - 862 kPa	138 - 862 kPa	138 - 862 kPa
Operating Temperature:	5 - 45°C (41 - 113°F)	5 - 45°C (41 - 113°F)	5 - 45°C (41 - 113°F)
Power Supply:	230V AC / 50 Hz	230V AC / 50 Hz	230V AC / 50 Hz
Warranty:	1 year^	1 year^	1 year^
Replacement Media Kits:	RMK-IRX2000	RMK-IRX3000	RMK-IRX4000
Optional Accessories:	<b>WTV5090</b> - Micro switch for automation of external equipment. <b>WTV5000</b> - Bypass assembly for testing, and maintenance. <b>WTV5092</b> - Differential pressure switch for load based backwashing. <b>WTZ1000</b> - Inline aerator for increasing oxygen content		

**PRODUCT DIMENSIONS** Measurements in Millimeters (mm)

Allow min. 150mm clearance for media refilling.



**ADDITIONAL INFORMATION**

1. Dissolved Oxygen Content Minimum 15% of the Iron.
2. Staining threshold is 0.2 to 0.3ppm.
3. Nominal filtration: 3 micron
4. The flow rate while the filter backwashes, needs to be equal to the stated service flow to maintain proper backwash functionality, which is critical for optimum performance of filtration systems.
5. Chloride and sulphate may interfere with iron removal. Additional treatment may be required where chloride + sulphate is more than half of the total Alkalinity
5. Backwashing is an essential preventative maintenance procedure for these systems in order for filter media to be regenerated, and to ensure the system is functioning correctly. Any spent backwash water is discharged, without treatment, down the drain. For any further information or system-specific volumes, please contact Puretec.



**Note:**

1. No claims can be made based on the specifications and images in this document. The design, technology, colours, features and prices are subject to change.
2. This document and all its contents are copyright protected. All rights are reserved, particularly alteration, translation and reproduction using electronic systems.
3. ^Warranties in this document cover parts for the period stated and include 1 year cover for labour for the first year where applicable, subject to approval. Our Water Treatment Specialists can provide you with advice to suit your needs.