

## GENERAL INFO

## IRON FILTRATION WATER TREATMENT SYSTEMS

Prevent staining and rust build-up in your water system.

Puretec IRS Systems are designed to prevent the staining and rust build up in your water system. The system reduces the level of iron and manganese, through increasing the rate of oxidization of dissolved iron and then physically filtering the iron using the deep filter bed. After hardness, iron is the most common water contaminant causing staining, thick sediment, slime and smell. It blocks up pumps, taps, filters and ruins the look of anything it comes in contact with.

## FEATURES & BENEFITS

- The system reduces the level of iron and manganese, through increasing the rate of oxidization of dissolved iron and then physically filtering the iron using the deep filter bed.
- 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.



IRS2000

Auto backwash, 30Lpm,  
25mm connection



IRS3000

Auto backwash, 30Lpm,  
25mm connection



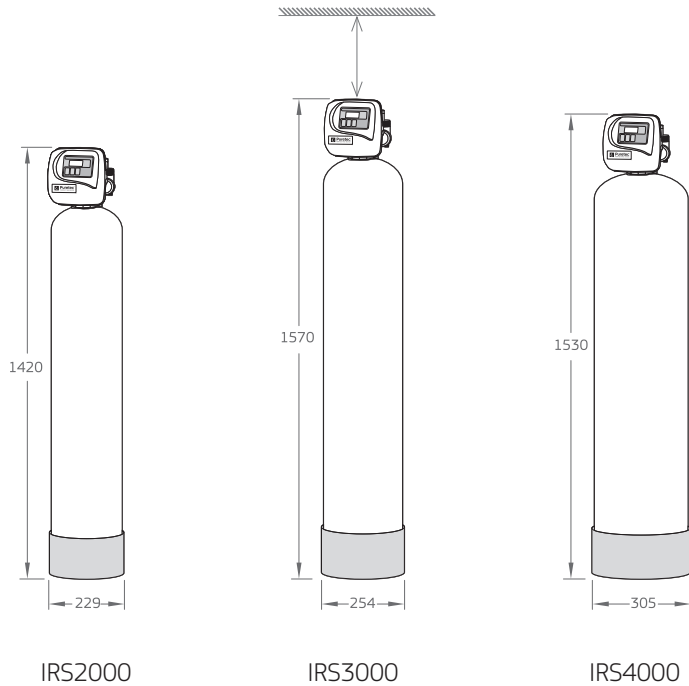
IRS4000

Auto backwash, 40Lpm,  
25mm connection

Ordering Code:	IRS2000	IRS3000	IRS4000
Valve:	Automatic E1-matic	Automatic E1-matic	Automatic E1-matic
pH Range:	6.8 - 9	6.8 - 9	6.8 - 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, 3/4" Drain	1" Male BSPT, 3/4" Drain	1" Male BSPT, 3/4" Drain
Min/Max Operating Pressure:	250 - 690 kPa	250 - 690 kPa	250 - 690 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 <sup>^</sup>	1 year <sup>^</sup>	1 year <sup>^</sup>
Replacement Media Kits:	RMK-IRS2000	RMK-IRS3000	RMK-IRS4000
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.



**OPERATING CONDITIONS**

1. Dissolved Oxygen Content Minimum 15% of the Iron.
2. Staining threshold is 0.2 to 0.3ppm.
3. 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.



**WaterMark**

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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.