

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.


IRS2000

Auto backwash, 30Lpm,
25mm connection


IRS3000

Auto backwash, 30Lpm,
25mm connection

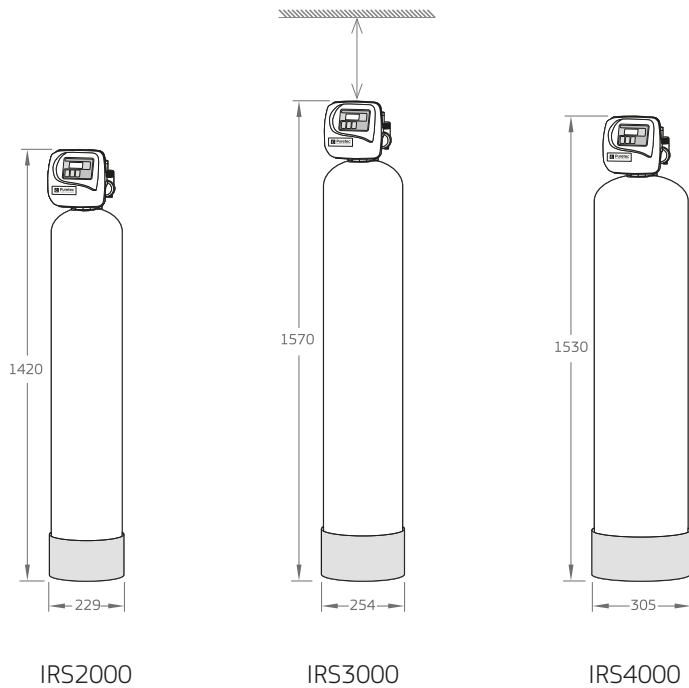

IRS4000

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, ¾" Drain	1" Male BSPT, ¾" Drain	1" Male BSPT, ¾" 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-IRS2000	RMK-IRS3000	RMK-IRS4000
Optional Accessories:	WTV5090 - Micro switch for automation of external equipment. WTV5000 - Bypass assembly for testing, and maintenance. WTV5092 - Differential pressure switch for load based backwashing. WTZ1000 - 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. 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.
4. 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.