

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.
- 2" connections for minimum pressure loss.
- Weather resistant cover for controller.
- Weatherproof transformer.
- Flexible programming options.


IRS70-2CI

 Auto backwash, 70Lpm,
50mm connection

IRS100-2CI

 Auto backwash, 100Lpm,
50mm connection

IRS150-2CI

 Auto backwash, 150Lpm,
50mm connection

IRS250-2CI

 Auto backwash, 250Lpm,
50mm connection

IRS350-2CI

 Auto backwash, 350Lpm,
50mm connection

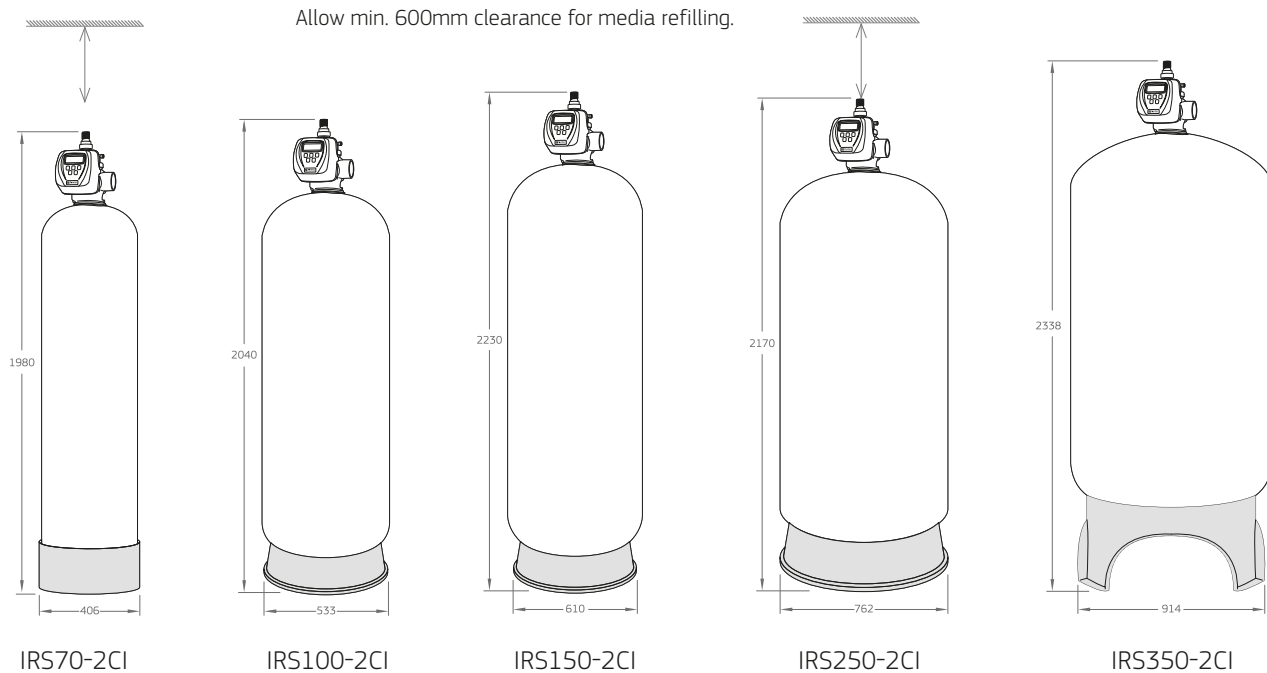
Ordering Code:	IRS70-2CI	IRS100-2CI	IRS150-2CI	IRS250-2CI	IRS350-2CI
Valve:	Automatic 2CI	Automatic 2CI	Automatic 2CI	Automatic 2CI	Automatic 2CI
pH Range:	6.8 - 9	6.8 - 9	6.8 - 9	6.8 - 9	6.8 - 9
Service Flow Rate:	70 Lpm	100 Lpm	150 Lpm	250 Lpm	350 Lpm
Maximum Flow Rate:	120 Lpm	150 Lpm	210 Lpm	310 Lpm	430 Lpm
Inlet / Outlet / Drain Connections:	2" Male BSPT, 1" Drain	2" Male BSPT, 1" Drain	2" Male BSPT, 1½" Drain	2" Male BSPT, 1½" Drain	2" Male BSPT, 1½" Drain
Min/Max Operating Pressure:	138 - 862 kPa	138 - 862 kPa	138 - 862 kPa	138 - 862 kPa	138 - 862 kPa
Operating Temperature:	5 - 40°C (41 - 104°F)	5 - 40°C (41 - 104°F)	5 - 40°C (41 - 104°F)	5 - 40°C (41 - 104°F)	5 - 40°C (41 - 104°F)
Power Supply:	230V AC / 50 Hz	230V AC / 50 Hz	230V AC / 50 Hz	230V AC / 50 Hz	230V AC / 50 Hz
Warranty:	1 year^	1 year^	1 year^	1 year^	1 year^
Replacement Media Kits:	RMK-IRS70	RMK-IRS100	RMK-IRS150	RMK-IRS250	RMK-IRS350

Optional Accessories:

WTV5092 - Differential pressure switch for load based backwashing.
WTV7500 - Alternating valve for 2 system / clean water to backwash.
WTV7550 - No Bypass valve to isolate the system during regeneration.

WTV7210 - Flow meter for volume based backwash.
WTV7400 - Microswitch kit for 2CI models

PRODUCT DIMENSIONS Measurements in Millimeters (mm)



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.

To connect to an external control system, the 2CI control valve has the following options.

INPUT	OUTPUTS AVAILABLE
Differential Pressure (DP input) <ul style="list-style-type: none"> • Volt free contact • Initiates backwash if closed for 2 minutes 	2x Relay output <ul style="list-style-type: none"> • 12 VDC 100mA • Programmable, initiated by backwash Microswitch output (optional) <ul style="list-style-type: none"> • Volt free • Initiated by physical movement of the piston during backwash Flowmeter (if supplied) <ul style="list-style-type: none"> • Pulse signal of filtered water - 20 pulses per US Gallon • Supplied with all Softeners (optional with other filters)

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.