

GENERAL INFO
IRON FILTRATION WATER TREATMENT SYSTEMS

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

The Puretec IRX-2CI 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.
- 2" connections for minimum pressure loss.
- 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.


IRX70-2CI

Auto backwash, 70Lpm,
50mm connection


IRX100-2CI

Auto backwash, 100Lpm,
50mm connection


IRX150-2CI

Auto backwash, 150Lpm,
50mm connection


IRX250-2CI

Auto backwash, 250Lpm,
50mm connection


IRX350-2CI

Auto backwash, 350Lpm,
50mm connection

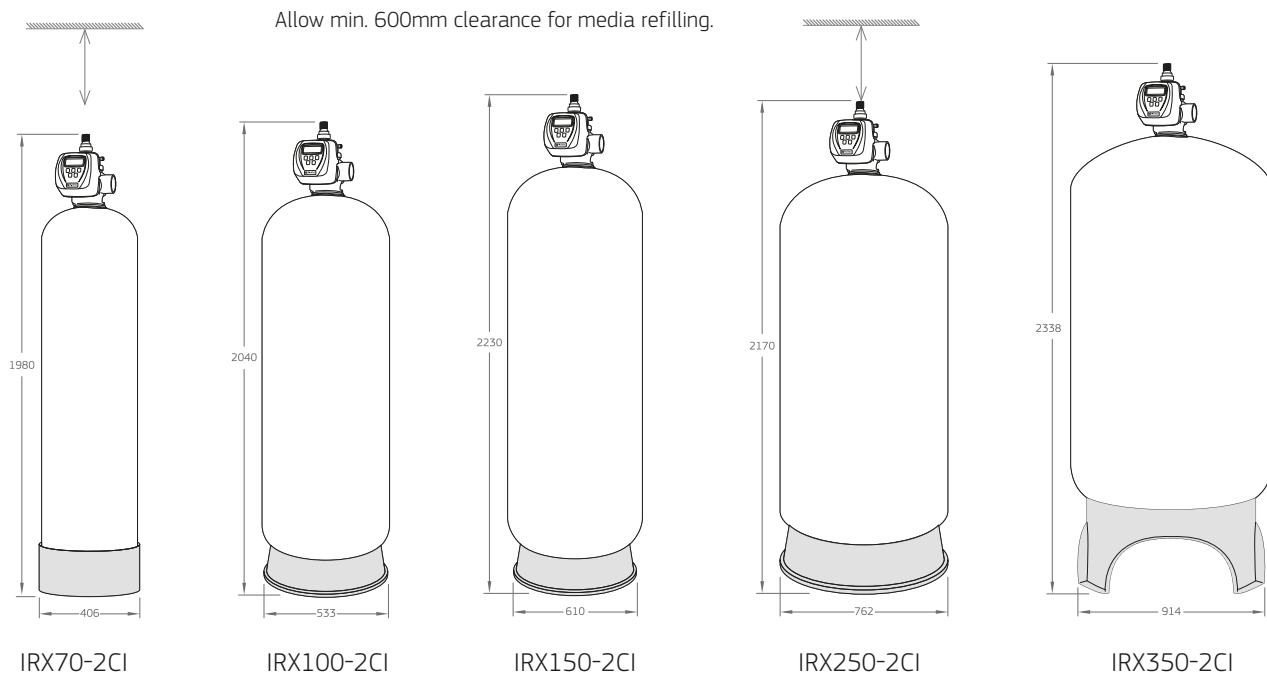
Ordering Code:	IRX70-2CI	IRX100-2CI	IRX150-2CI	IRX250-2CI	IRX350-2CI
Valve:	Automatic 2CI	Automatic 2CI	Automatic 2CI	Automatic 2CI	Automatic 2CI
pH Range:	6.5 - 9	6.5 - 9	6.5 - 9	6.5 - 9	6.5 - 9
Service Flow Rate:	70 Lpm	100 Lpm	150 Lpm	250 Lpm	350 Lpm
Maximum Flow Rate:	120 Lpm	150 Lpm	210 Lpm	310 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-IRX70	RMK-IRX100	RMK-IRX150	RMK-IRX250	RMK-IRX350

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. 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
6. 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.

For more information contact your local stockist or visit us at puretecgroup.com Australia **1300 140 140** | New Zealand **0800 130 140**

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