

## GENERAL INFO

## SEDIMENT FILTRATION WATER TREATMENT SYSTEMS

Removes sediment, silt, sand and other particulate in water.

The Puretec SFS-2CI Series sediment filtration system removes sediment, silt, sand and other particulate, preventing a build-up of sludge in your pipe work, hot water systems and appliances. It delivers a fully automatic and highly dependable control valve, which helps minimise energy and water waste. Features a fully automatic operation that provides a reliable design and simple programming for ease of use.

## FEATURES & BENEFITS

- Reduces sediment, silt and suspended solids in high flow dirt reduction applications.
- Automatic backwash – set and forget.
- Stores system configuration and operation data in non-volatile memory.
- Solid-state microprocessor with easy access front panel settings.
- Front panel display for time of day and days until next regeneration.
- Flexible programming options.
- 2" connections for minimum pressure loss.
- Weather resistant cover for controller.
- Weatherproof transformer.



SFS100-2CI

Auto backwash, 100Lpm,  
50mm connection



SFS150-2CI

Auto backwash, 150Lpm,  
50mm connection



SFS250-2CI

Auto backwash, 250Lpm,  
50mm connection



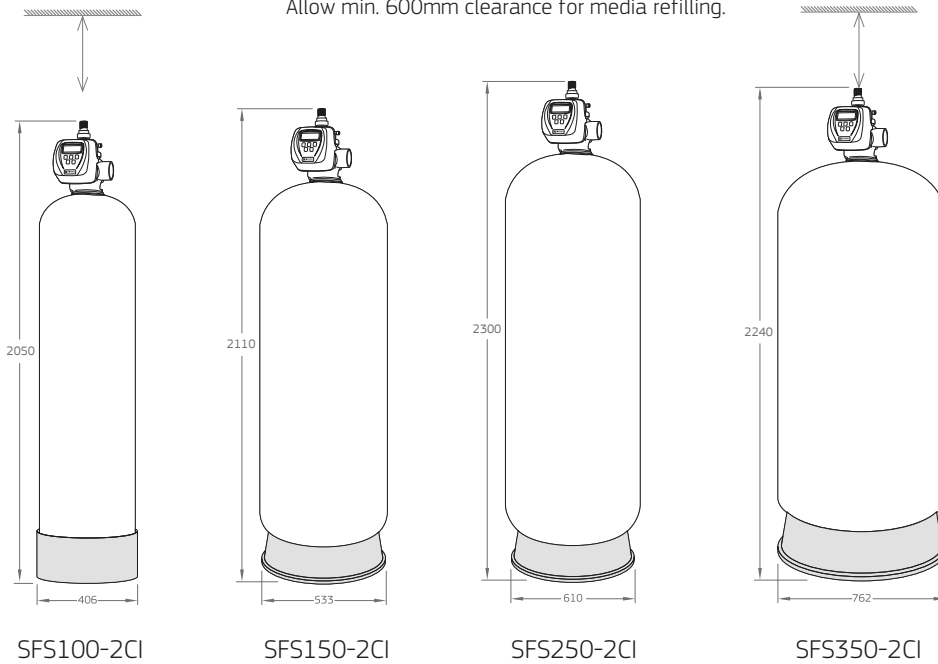
SFS350-2CI

Auto backwash, 350Lpm,  
50mm connection

Ordering Code:	SFS100-2CI	SFS150-2CI	SFS250-2CI	SFS350-2CI
Valve:	Automatic 2CI	Automatic 2CI	Automatic 2CI	Automatic 2CI
Maximum Suspended Solids:	500 mg/L	500 mg/L	500 mg/L	500 mg/L
Service Flow Rate:	100 Lpm	150 Lpm	250 Lpm	350 Lpm
Maximum Flow Rate:	150 Lpm	210 Lpm	320 Lpm	430 Lpm
Inlet / Outlet / Drain Connections:	2" Male BSPT, 1" Drain	2" Male BSPT, 1½" Drain	2" Male BSPT, 1½" Drain	2" Male BSPT, 1½" Drain
Min/Max Operating Pressure:	200 - 690 kPa	200 - 690 kPa	200 - 690 kPa	200 - 690 kPa
Operating Temperature:	4 - 43°C (40 - 110°F)	4 - 43°C (40 - 110°F)	4 - 43°C (40 - 110°F)	4 - 43°C (40 - 110°F)
Power Supply:	230V AC / 50 Hz	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>	1 year <sup>^</sup>
Replacement Media Kits:	RMK-SFS100	RMK-SFS150	RMK-SFS250	RMK-SFS350
Optional Accessories:	<b>WTV5092</b> - Differential pressure switch for load based backwashing. <b>WTV7500</b> - Alternating valve for 2 system / clean water to backwash. <b>WTV7550</b> - No Bypass valve to isolate the system during regeneration.		<b>WTV7210</b> - Flow meter for volume based backwash. <b>WTV7400</b> - Microswitch kit for 2CI models	

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

Allow min. 600mm clearance for media refilling.



**OPERATING CONDITIONS**

1. Not recommended for colloidal particles.
2. Water turbidity and particle size will affect recommended flow rate.
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. Operating pressure 200 - 690 kPa, pressure loss 100 kPa.

**ADDITIONAL INFORMATION**

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

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

**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.