

GENERAL INFO
COMMERCIAL AND INDUSTRIAL WATER SOFTENERS

Prevents scale build-up in your water system.

The Puretec SOL-2CI Series softens water by removing hardness ions (calcium and magnesium) also known as limescale.

Hardness, if uncontrolled, will cause scaling, eventually blocking plumbing and shortening the life of boilers, steam generators, hot water systems and urns, increasing energy use and costs.

The SOL-2CI Series achieves long life of the filter bed through regeneration using brine solution which is operated through a fully automatic volumetric control valve.

The SOL-2CI Series can also be used to reduce manganese levels, in some cases. Please refer to Puretec for expert advice on your application.

FEATURES & BENEFITS

- Large capacity resin and brine tank.
- Complete system, just add salt.
- 50mm connections for larger flow rates.
- Weatherproof cover.
- Weatherproof transformer.
- Automatic volume based regeneration for optimised performance and salt use.


SOL110-2CI

Automatic volume based, 110Lpm,
50mm connection

SOL160-2CI

Automatic volume based, 160Lpm,
50mm connection

SOL270-2CI

Automatic volume based, 270Lpm,
50mm connection

SOL380-2CI

Automatic volume based, 380Lpm,
50mm connection

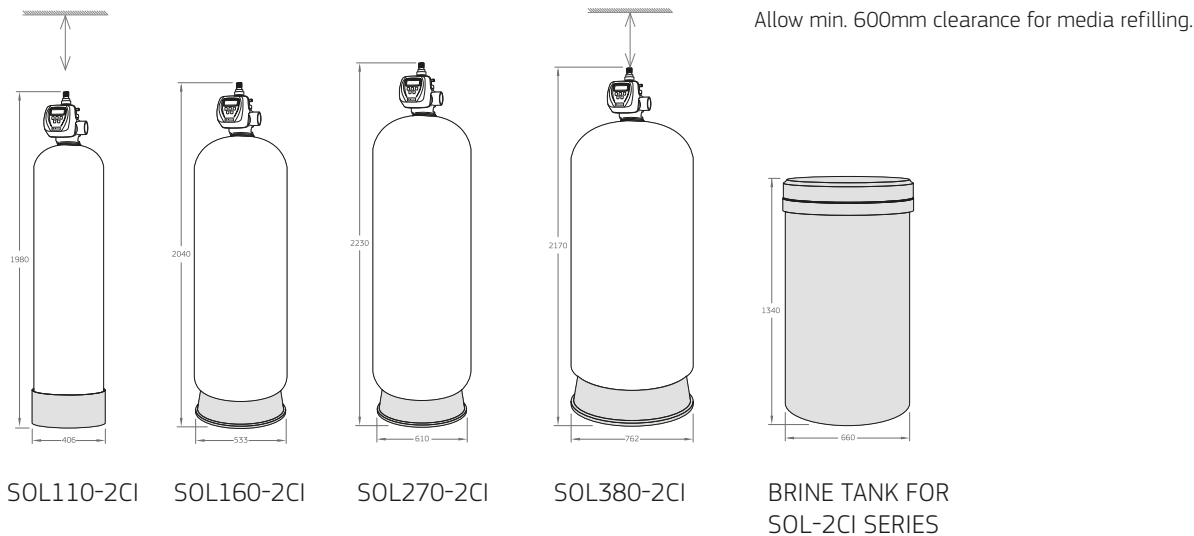
Ordering Code:	SOL110-2CI	SOL160-2CI	SOL270-2CI	SOL380-2CI
Valve:	2CI-Automatic Volume Based	2CI-Automatic Volume Based	2CI-Automatic Volume Based	2CI-Automatic Volume Based
Service Flow Rate:	110 Lpm	160 Lpm	270 Lpm	380 Lpm
Maximum Flow Rate:	150 Lpm	190 Lpm	330 Lpm	430 Lpm
*Capacity:	72,000 litres	126,000 litres	198,000 litres	270,000 litres
Inlet / Outlet / Drain Connections:	2" Male BSPT, 1" Drain	2" Male BSPT, 1" Drain	2" Male BSPT, 1" Drain	2" Male BSPT, 1" Drain
Min/Max Operating Pressure:	140 - 860 kPa	140 - 860 kPa	140 - 860 kPa	140 - 860 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)
Power Supply:	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^
Replacement Media Kits:	RMK-SOL110	RMK-SOL160	RMK-SOL270	RMK-SOL380
Optional Accessories:	WTV7400 - Microswitch kit for 2CI models PTE30 - Hardness test kit SS5000 - SoftenerSafe Media, 5 litres		WTV7500 - Twin alternating valve for 2CI models WTV7210 - Flow meter for volume based backwash. WTV7400 - Microswitch kit for 2CI models	

*Note: Chlorine (free chlorine) tolerance is 1ppm - high chlorine levels permanently damage the softening resin & is not covered under warranty. If chlorine exceeds this limit, we recommend a carbon pre-filter such as the WH2 or CFS Series. Please refer to Puretec for a specific recommendation. In any case, a carbon pre-filter is recommended to protect against chlorine spikes & prolong the resin life. *Capacities are based on a hardness of 100ppm.*

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

JULY.2022

PRODUCT DIMENSIONS Measurements in Millimetres (mm)



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

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:

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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.