

**GENERAL INFO**
**NITRATE REMOVAL WATER TREATMENT SYSTEMS**

Safely reduces nitrate levels for your whole house.

Nitrate is one of the most common groundwater contaminants in rural areas, originating primarily from fertilisers and septic systems. Nitrate is particularly harmful to babies & infants less than 3-6 months because excess levels can cause methemoglobinemia or 'blue baby' disease. The affected blood carries less oxygen than it should, turning the body blue and depriving it of oxygen. There are also studies linking nitrate in drinking water with cancer, where nitrate levels are at or above 100-200 mg/l.

The Puretec NTR Series takes the worry out of your water by reducing the nitrate levels to safe levels for human consumption. It utilises nitrate-selective ion-exchange resin to purify the water & automatically regenerates the resin with salt in the backwash process, providing exceptionally long resin life and minimal maintenance experience. Salt not included.

Effective nitrate reduction is dependant on various factors indicating flow-rate and contact time.

**FEATURES & BENEFITS**

- Reduces nitrate levels in your water to safe, consumable levels.
- Long resin life.
- Minimal maintenance.

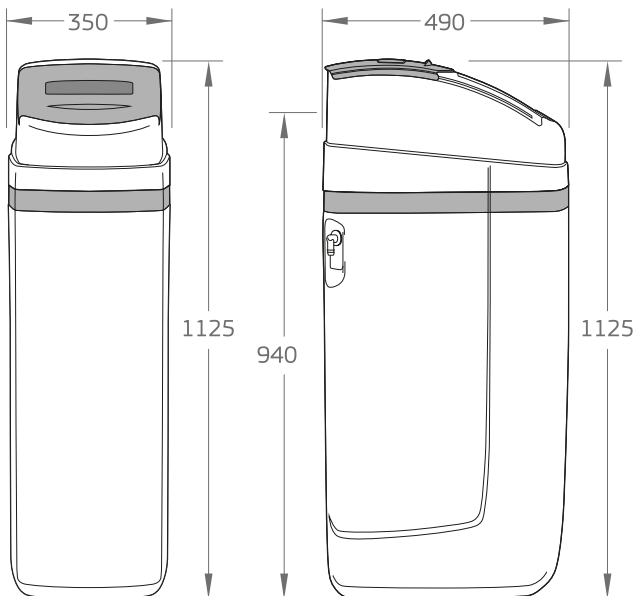


Ordering Code:	<b>NTR40-E3</b>
Valve:	Volumetric E3-matic
Service Flow Rate:	25 Lpm
Maximum Flow Rate:	50 Lpm
*Capacity between regenerations:	10,600 litres ( Refer over)
Inlet / Outlet / Drain Connections:	1" Male BSPT, 3/4" Drain
Min/Max Operating Pressure:	138 - 862 kPa
Operating Temperature:	0 - 48°C
Power Supply:	240V
Warranty:	1 Year^
Replacement Media Kits:	RMK-NTR40
Optional Accessories and media:	WTV5090 - Micro switch for automation of external equipment. WTV5000 - Bypass assembly for testing, and maintenance.

**TIPS**

Please note regular water testing after the NTR filter system is always recommended to confirm the nitrate level is within the safe limits. Speak with one of our Puretec specialists to confirm your product selection.

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



NTR40-E3

**ADDITIONAL INFORMATION**

\*Capacities are based on nitrate of 50 ppm. 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. Pressure loss: It would be normal to expect a loss up to 65 kPa.

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.

If the Sulphate level is higher than Nitrate, please contact the Puretec Water Treatment Team.



**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.