VITAL Installations

COMMERCIAL DIVISION

Commercial water solutions

for UK property, plant & people

Filtration, salt-free softening, remineralisation and Grander® revitalisation — specified, installed, commissioned and serviced by one accountable UK team.

EST.	REACH	INSTALLS	REF.
Glastonbury, Somerset	Nationwide install	1,000+ completed	VI–CWS—01

07525 778 426 · connect@vitalinstallations.co.uk

THE BUSINESS CASE

What untreated water costs a business

Hard, chlorinated mains water is a running cost that never appears as a line item — it appears as energy, breakdowns, downtime and replacement plant.



Energy you already pay for 01

Scale insulates heat exchangers. Over four years untreated systems can lose up to 40% of their efficiency.

Equipment failing early 02

Boilers, combi ovens, dishwashers, coffee machines and laundry plant scale internally and fail at the worst moment.

Flow, pressure & downtime 03

Scaled pipework and blocked solenoids reduce flow rates and turn routine maintenance into emergency callouts.

Bottled water & waste 04

Bottled water is expensive, heavy to handle and increasingly hard to justify in an ESG report.

40%	12%	1,000+	0
efficiency lost to scale	lost to 1.6mm of scale	UK installs completed	salt, brine or waste discharge

Water your customers can actually taste

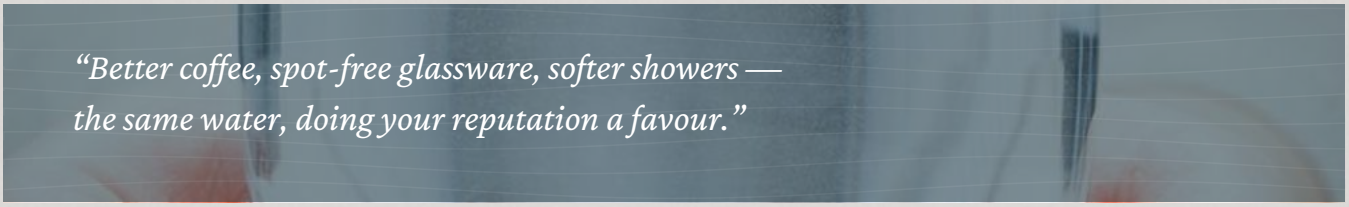
Filtration is not only a maintenance decision. Chlorine, chloramine and disinfection by-products are what people taste and smell in a glass of tap water, a jug of coffee or a hotel shower. Remove them, rebalance the minerals, and the difference is noticed by guests, patients, members and staff on the first day.

INDICATIVE REDUCTION

What multi-stage filtration removes



Indicative ranges from published performance data for multi-stage carbon and electro-chemical media. Actual results depend on incoming supply, flow rate and service interval.



01

Taste & aroma

Chlorine and THMs are stripped out, so tea, coffee, stock and ice taste of what they are made from — not of the mains.

02

Health & hydration

Remineralisation returns magnesium, calcium and potassium, giving balanced, pleasant water people actually drink more of.

03

Skin, hair & comfort

Chlorine-free showers and softer water reduce dryness and irritation — noticeable in hotel rooms, spas and care settings.

0mg/l
chlorine at every outlet on site

4
minerals returned by remineralisation

0
salt, brine or waste discharge

100%
installs handed over with a documented water test

CASE STUDY — HEALTH & WELLBEING

Songbird Naturals: water worthy of the product

Songbird Naturals hand-produce natural wax-based balms, waxes and wellness products in the South West. Water touches almost every stage — batch preparation, equipment wash-down, glassware and the drinking water their team gets through on a production day. Chlorinated, hard mains water was leaving scale on stainless steel, spotting on glass jars and a chemical note nobody wants near a fragrance-led product.



Small-batch wax and balm production — water quality is part of the recipe

THE BRIEF

Clean, consistent, chemical-free water

A whole-site solution that removes chlorine, chloramine and disinfection by-products, controls limescale without adding salt, and keeps mineral balance intact for a natural-products brand.

THE INSTALL

Multi-stage filtration + salt-free conditioning

Point-of-entry multi-stage carbon and electro-chemical media, salt-free scale control on the hot feed, and a remineralised drinking outlet for the production team, on a planned service interval.

THE OUTCOME

No chlorine odour in the workshop, scale-free stainless steel and glassware, less detergent and descaler on the shelf, and a drinking supply the team actually prefers to bottled. For a business selling skin-kind, natural products, treated water is part of the story — not just the plumbing.

0mg/l	0	100%	1 team
chlorine at every outlet	salt or brine discharge	batch water documented	install, commission & service

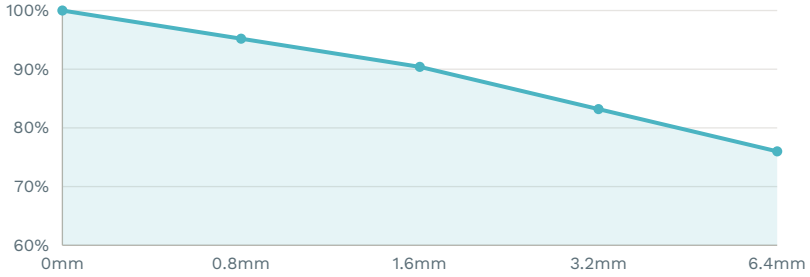
PERFORMANCE & EFFICIENCY

What treated water does to your numbers

Scale is an insulator. A film you could barely feel with a fingernail is enough to make a heat exchanger work measurably harder for the same output — and the loss compounds every year the system runs untreated.

HEAT TRANSFER

Efficiency lost to scale thickness



Indicative curve, consistent with published heat-exchanger scaling data.

1.6mm of scale

≈ 12% more energy for the same hot water. Four untreated years can cost up to 40% of original efficiency.

The compounding effect

Scale forms fastest on the hottest surfaces — so the plant you rely on most degrades quickest.

INDICATIVE GAINS

Measured performance improvements



Indicative figures drawn from published industry studies and our own UK site records. Bars show relative scale, not a single audited installation.

WHERE THE NUMBERS COME FROM

01	**Scale & energy**	Carbon Trust and industry heat-transfer studies put boiler efficiency loss at roughly 10–12% for 1.5–1.6mm of scale, rising steeply thereafter.
02	**Plant lifespan**	Water-heater and dishwasher field studies report scaled units failing years earlier than treated equivalents — commonly cited as up to a 40% reduction in service life.
03	**Water quality**	WRAS-listed media test data and independent UK laboratory reports underpin the reduction ranges opposite, including PFAS and microplastic removal.

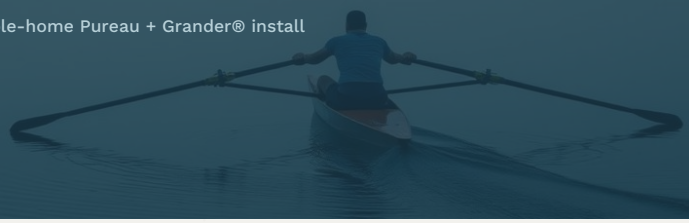
Ask us to model the numbers for your own site — we quote from your water, not an average.

CASE STUDY — HUMAN PERFORMANCE

An Olympic gold medallist's training-day hydration

Elite rowing is a hydration sport. Two or three sessions a day, high sweat losses and back-to-back recovery windows mean water volume and water quality both matter. Our customer — an Olympic gold-medal-winning and World Champion rower — wanted litres of high-quality water available on tap at home rather than crates of single-use bottles.

> "I drink a lot of water. Having it filtered, mineralised and straight from the tap changed the whole routine — and the taste."
>
> Olympic gold medallist & World Champion rower — whole-home Pureau + Grander® install



01

Volume without plastic

A 3-litre-a-day athlete gets through roughly 1,100 bottles a year. A whole-home system removes the bottles, the storage and the haulage entirely.

02

Mineral balance kept

Remineralisation returns magnesium, calcium and potassium, so high fluid intake supports electrolyte balance instead of diluting it.

03

Recovery & skin

Chlorine-free showers after training reduce dryness and irritation on skin that spends hours in kit — a small daily gain, repeated all season.

WHY IT MATTERS COMMERCIALLY

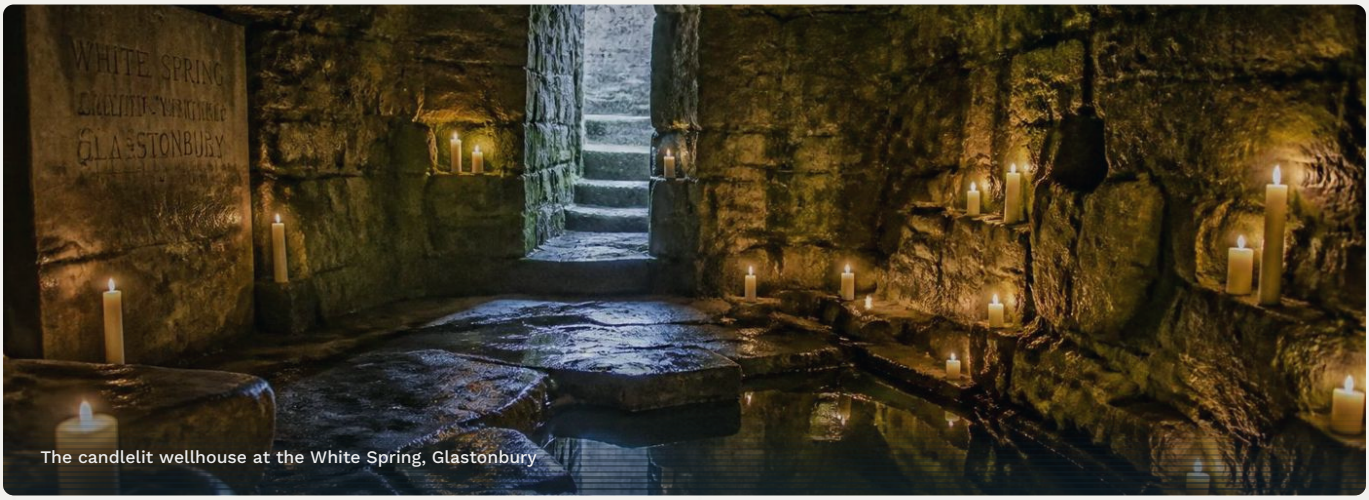
The same logic scales to gyms, spas, performance centres and staff facilities: unlimited high-quality water at the point of use beats pallets of bottled water on cost, carbon, storage and member experience.

3 L	~1,100	0	24/7
typical daily intake supported	plastic bottles avoided a year	microplastics at the tap	supply, no restocking

CASE STUDY — HERITAGE & PUBLIC SUPPLY

The White Spring, Glastonbury

At the foot of Glastonbury Tor, the White Spring rises through the limestone of the Tor and is gathered in a Victorian wellhouse — a candlelit stone reservoir visited by thousands of people every year. The water is calcium-rich and famously soft-tasting, but a spring open to its catchment is exposed to surface water, sediment and microbiological risk. To let visitors drink and fill bottles with confidence, the supply needed engineered treatment that did not change the character of the water.



The candlelit wellhouse at the White Spring, Glastonbury

THE INSTALL

Multi-stage filtration

Staged sediment and carbon filtration removes turbidity, fine particulates, organics and taste-and-odour compounds carried in from the catchment, while leaving the spring's natural mineral profile intact.

THE INSTALL

UV sterilisation

A correctly sized ultraviolet steriliser inactivates bacteria, viruses and protozoa without chemicals, dosing or by-products — no chlorine taste, nothing added to the water at all.

FLOW & SCALE

The spring runs continuously, day and night, at an estimated 60,000 litres a day — well over 20 million litres a year passing through the wellhouse. Treatment therefore has to work at flow, unattended, with servicing planned around public opening hours.

20m+	UV	0	Public
litres a year through the wellhouse	chemical-free sterilisation	change to natural mineral profile	drinking & bottle-filling supply

SECTORS

Where we work

Hotels & hospitality

Spot-free glassware, softer guest showers, better coffee.

Restaurants, cafés & bars

Protect ovens, dishwashers and espresso machines.

Care & healthcare

Documented water quality with recorded planned servicing.

Gyms, spas & salons

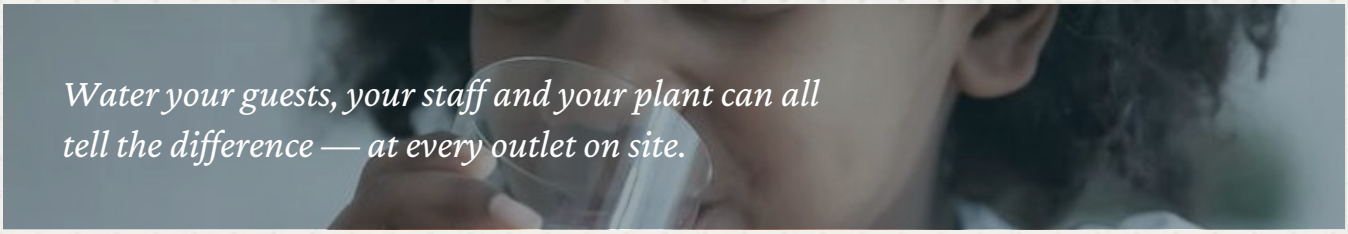
Chlorine-free showers and scale-free steam rooms.

Schools & offices

Quality drinking water at every point of use.

Laundries & light industry

Less detergent, longer machine life, fewer breakdowns.



Water your guests, your staff and your plant can all tell the difference — at every outlet on site.

SOLUTIONS

Specified to your site

01 Pureau site-wide filtration
Multi-stage electro-chemical filtration: chlorine, heavy metals, pesticides, PFAS traces, microplastics.

02 Salt-free softening
Physical scale prevention with no salt, brine tank or waste discharge.

03 Remineralisation
Magnesium, calcium, potassium and sodium reintroduced for balanced taste.

04 Grander® revitalisation
Restructured water: improved stability, reduced biofilm and odour.

05 Point-of-use units
Under-counter and drinking stations for kitchens, bars and staff areas.

06 Service contracts
Scheduled cartridge changes and recorded performance checks.

PROCESS

How a commercial install works

01

Site assessment

We test your incoming water, review plant, flow rates and peak demand, and map every outlet that matters.

02

Written specification

A clear proposal: recommended systems, capacities, installation scope, timescales and fixed costs.

03

Installation

Fitted by our own engineers around your trading hours, with isolation planning and minimal disruption.

04

Commissioning & handover

Performance tested, documented and demonstrated to your team, with results recorded.

05

Planned servicing

Cartridge changes and checks on schedule, so the system keeps performing year after year.

TO QUOTE WE NEED

- Site postcode & address
- Peak demand / occupancy
- Existing treatment (if any)
- Incoming main size & pressure
- Plant room photos
- Trading hours for install

VITAL Installations

Book a free site assessment

Tell us the postcode, incoming main and peak demand — we'll test your water and return a written, fixed-cost proposal.

07525 778 426
connect@vitalinstallations.co.uk
vitalinstallations.co.uk/commercial