



PROPRIETARY WATER TREATMENT

CombiMix-C[™]

Softening. Selectivity.
One exceptional blend.

Designed to make more of every litre of media.
Strong Cation + Watch Water's unique four-component blend.

A DISTINCTIVE WATCH WATER FORMULATION

70% Strong Cation

30% Watch Water Blend

1

SOFTEN

Reduce calcium and magnesium hardness.

2

REMOVAL TARGETS

Ammonium (NH₄⁺)

Barium (Ba²⁺)

Cadmium (Cd²⁺)

Cobalt (Co²⁺)

Copper (Cu²⁺)

Lead (Pb²⁺)

Nickel (Ni²⁺)

Strontium (Sr²⁺)

Zinc (Zn²⁺)

Chlorine

Application-specific removal targets. Performance is specified for the actual water.

For professional water-treatment companies, OEMs and system manufacturers.

01 / THE COMBIMIX-C FORMULATION

A UNIQUE PROPRIETARY BLEND.



70% **Strong Cation**
Organic cation exchanger

30% **Watch Water Blend**
Four proprietary components

70% Strong Cation

Sodium-form resin provides the principal softening function. Calcium and magnesium exchange with sodium at the resin's charged sites.

30% Watch Water Blend

Watch Water's unique blend of four proprietary components forms the distinctive part of CombiMix-C. The individual component identities remain proprietary.

01
PROPRIETARY

02
PROPRIETARY

03
PROPRIETARY

04
PROPRIETARY



CombiMix-C media

ONE FORMULATION. COORDINATED FUNCTIONS.



SOFTENING

Strong Cation supplies the principal softening function, reducing calcium and magnesium hardness.



SELECTIVE TREATMENT

The complete formulation is selected for the source water and the required dissolved-ion targets.



GRANULAR-BED FILTRATION

The packed bed supports capture of suspended particles. Backwashing removes accumulated solids.



REGENERATION

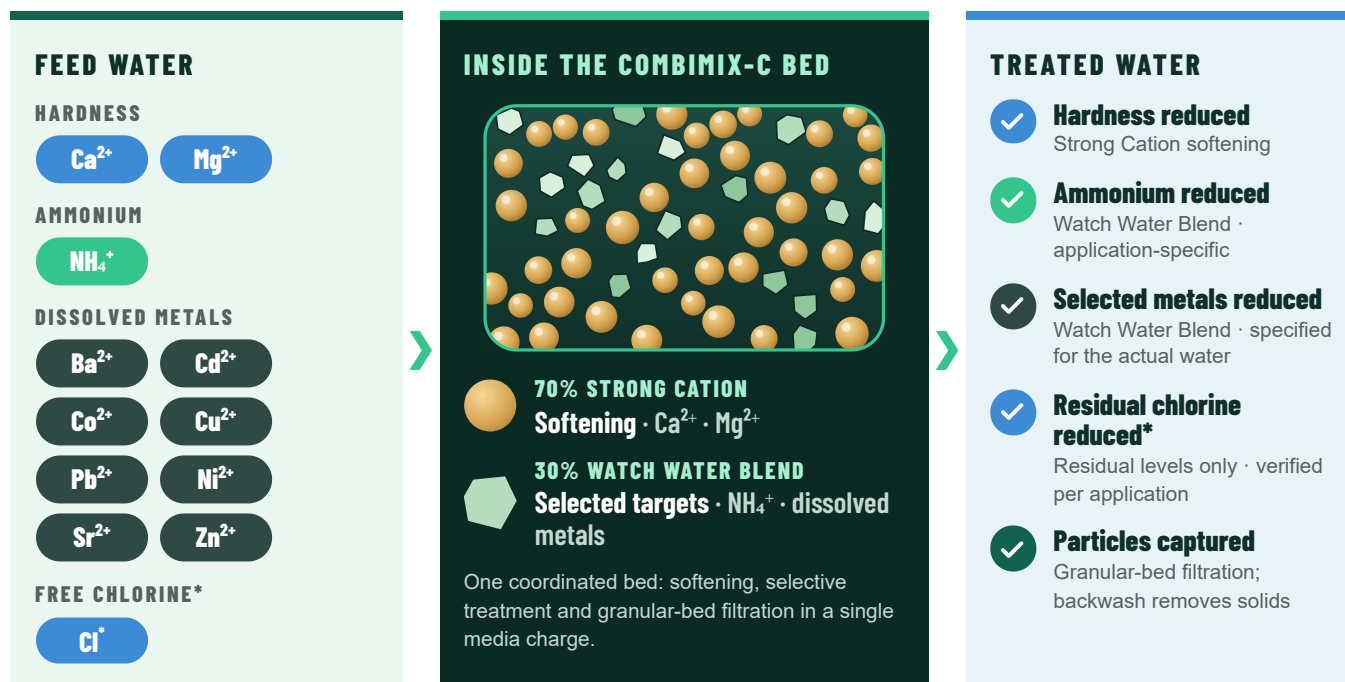
A controlled sodium chloride brine cycle supports repeated treatment cycles, followed by rinsing.

Strong Cation + Watch Water's unique blend of four proprietary components.

02 / THE TREATMENT SPECTRUM

A BROADER TREATMENT AMBITION.

Start with hardness control. Add selected dissolved-ion targets according to the water chemistry and the required treated-water quality.



SOFTEN Calcium + magnesium hardness · the principal function of Strong Cation

REMOVAL TARGETS · ALPHABETICAL

NH_4^+ Ammonia As ammonium (NH_4^+)	Ba^{2+} Barium Ba^{2+}	Cd^{2+} Cadmium Cd^{2+}	Co^{2+} Cobalt Co^{2+}	Cu^{2+} Copper Cu^{2+}
$\text{Cl}^{\cdot}$ Free chlorine* Residual levels	Pb^{2+} Lead Pb^{2+}	Ni^{2+} Nickel Ni^{2+}	Sr^{2+} Strontium Sr^{2+}	Zn^{2+} Zinc Zn^{2+}

CombiMix-C performance and the simultaneous target combination are specified for the actual water and agreed operating conditions. Media selection, service flow and regeneration are coordinated for the treatment duty.

* **Chlorine:** Applicable only at residual levels within potable-water limits; reduction is subject to application-specific verification.

03 / CAPACITY-FOCUSED DESIGN

MAKE EVERY LITRE WORK HARDER.



CombiMix-C combines Strong Cation with a unique four-component proprietary blend. The development goal: greater usable capacity from an efficient media charge.

THE WATCH WATER DESIGN PHILOSOPHY

More capacity. Less media. A compact approach.

Our development goal: more useful treatment from every litre.

01

One coordinated formulation

Strong Cation and Watch Water's unique blend of four proprietary components work together in one 70/30 formulation.

02

A media charge matched to the duty

Size the bed around the water load, required outlet quality and useful operating capacity of the complete blend.

03

Regeneration as part of the design

A sodium chloride brine cycle replenishes sodium on exchange sites, supporting repeated treatment cycles.

04

A platform for professional systems

Integrate CombiMix-C with a suitable vessel, metered control valve, brine system and application-specific operating settings.

1 • Media volume

Media charge matched to the duty

2 • Bed depth

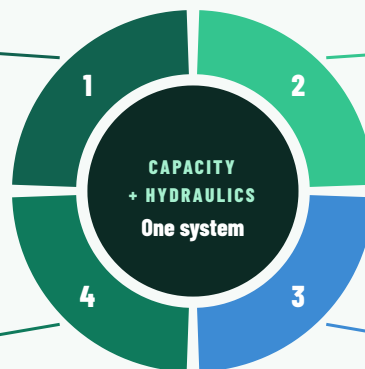
Sized for the water load

4 • Regeneration

Brine cycle replenishes sodium

3 • Flow

Service flow for the outlet quality



Capacity and hydraulics are designed together: media volume, bed depth, flow and regeneration form one coordinated system.

04 / PROFESSIONAL APPLICATIONS

ONE BLEND. MANY POSSIBILITIES.

CombiMix-C is a media platform for professional systems that combine hardness control with selected cation-exchange duties.



BUILDING WATER

Central softening

For professionally designed treatment of supply water where calcium and magnesium hardness drive the treatment requirement.



COMMERCIAL SYSTEMS

Hotels & facilities

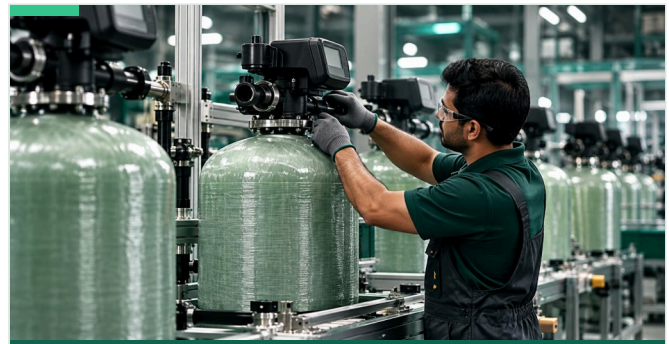
For commercial water-treatment packages serving building services, laundries and equipment with defined water-quality needs.



SOURCE-WATER TREATMENT

Well-water projects

For water-treatment designs addressing hardness alongside ammonium or suitable dissolved cations, based on the source-water analysis.



OEM INTEGRATION

Your system. Our media.

For manufacturers and professional treatment companies selecting a proprietary CombiMix-C blend for their own treatment equipment.

BUILD THE APPLICATION AROUND THE TREATMENT TARGET



HARDNESS

Calcium & magnesium



AMMONIUM

Application-specific removal



CATIONS

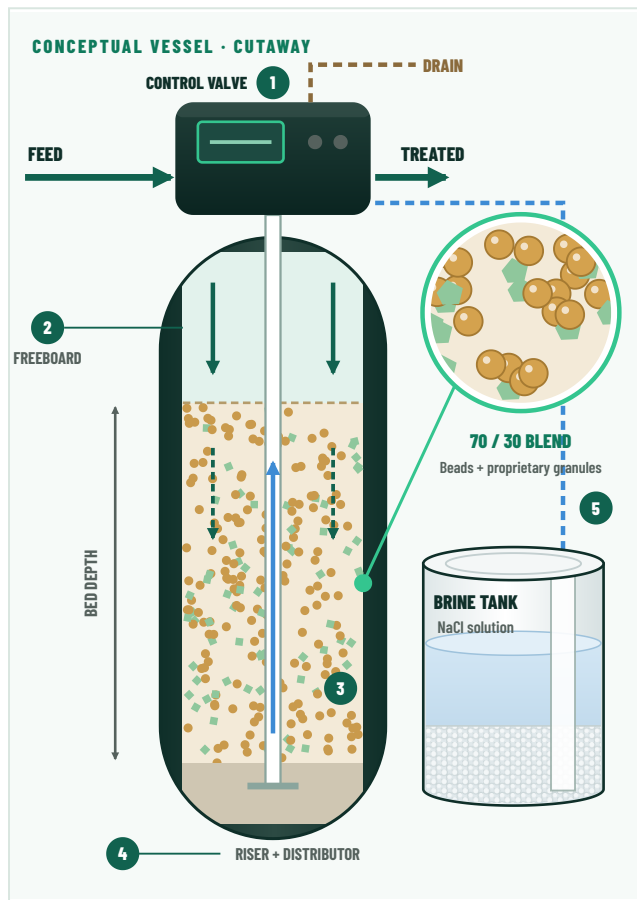
Application-specific targets

05 / SYSTEM INTEGRATION

DESIGNED FOR A PRACTICAL CYCLE.



CombiMix-C fits into a professional vessel-based treatment concept with controlled service, backwashing, brine regeneration and rinsing.



- 1 Control valve · feed, treated, drain
- 2 Freeboard · bed expansion space
- 3 CombiMix-C bed · 70 / 30 blend
- 4 Riser + distributor · media retention
- 5 Brine tank · NaCl regeneration

THE SYSTEM AROUND THE MEDIA



Treatment vessel

Provide the bed depth, expansion space and media retention needed for the application.



Metered control

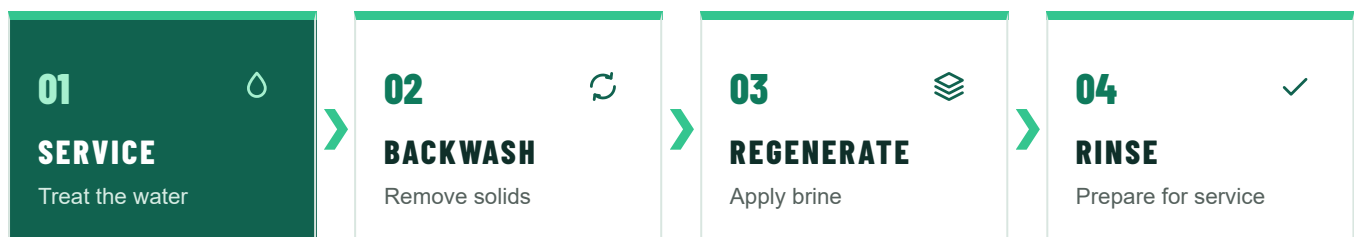
Link regeneration to treated volume and the selected operating programme.



Brine system

Deliver the salt solution needed for a consistent regeneration cycle.

FOUR STEPS. ONE CONTROLLED SEQUENCE.

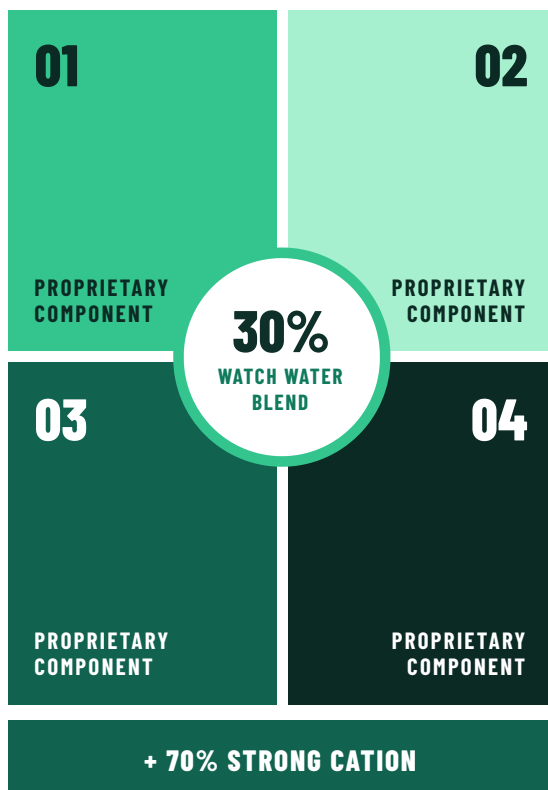


06 / THE WATCH WATER APPROACH

THE VALUE IS IN THE BLEND.



CombiMix-C brings Strong Cation and Watch Water's unique blend of four proprietary components into one application-focused treatment medium.



WATCH WATER'S UNIQUE BLEND

Four proprietary components. One distinctive formulation.

- 01 A proprietary formulation**
Individual component identities are proprietary. Customers receive CombiMix-C as a formulated treatment medium.
- 02 A coordinated treatment concept**
Hardness control, selected dissolved-ion targets and granular-bed filtration are considered together.
- 03 Application-focused selection**
The water analysis and required outlet quality determine the media charge and operating conditions.
- 04 Made for professional integration**
A media solution for water-treatment companies, OEMs and system manufacturers building their own treatment packages.



CombiMix-C: a Watch Water formulation supplied as one integrated treatment blend.

07 / WORK WITH WATCH WATER

BUILD YOUR NEXT WATER SOLUTION.



Bring us the water analysis and treatment requirement. We can then define the CombiMix-C media selection and operating basis for your application.



Share the water analysis

Provide hardness, pH, conductivity and the concentrations of the contaminants you want to address.



Define the operating demand

Tell us the peak flow, daily volume, required outlet quality and the operating schedule.



Develop the treatment package

Align the media charge, vessel configuration and regeneration programme with the application.

COMBIMIX-C BY WATCH WATER

A distinctive formulation. A clear purpose.

One coordinated formulation. One Watch Water formulation.



System selection and guaranteed performance are based on water analysis and the agreed operating conditions.

CombiMix-C™

Softening. Selectivity. One exceptional blend.



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