



# CARBO DUO

Two-stage water softener



Your water in top condition



Two-stage water filtration technology



Clean and tasty water thanks to the carbon filter



Quick and easy cartridge replacement



Extended performance of the carbon cartridge



Prevents limescale and sediment build-up



I Stage



II Stage



## DESCRIPTION

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Carbo Duo is an innovative water filtration system that combines two-stage mechanical and carbon filtration with effective water softening. Thanks to advanced activated carbon filtration technology ('Pleated activated carbon filtration') and an ion exchange bed, Carbo Duo effectively removes mechanical impurities, chlorine, organic compounds and water hardness. It provides safe, clean and soft water for everyday use in households and small businesses.

## SMART FILTRATION DUO

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Combining a softening resin with a carbon filter in a single water softener delivers a tangible improvement in water quality from the point of entry right through to the tap. This solution protects the system whilst ensuring comfort in everyday use.



### The resin effectively softens the water

- improves water clarity
- protects installation and household appliances
- prevents limescale build-up



### The carbon filter improves water quality

- removes chlorine and its derivatives
- removes organic compounds
- improves the taste and smell of the water



## YOUR WATER AT ITS BEST

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### ✔ Water with the perfect taste and aroma

Charcoal removes chlorine and unpleasant chemicals, so every glass of water tastes fresh and natural.

### ✔ Everyday comfort

Bathing, washing up and doing the laundry become more enjoyable, as the water doesn't dry out your skin or weigh your hair down.

### ✔ Protection of equipment and installations

Charcoal removes impurities that could damage household appliances and pipes, ensuring that appliances last longer and operate without faults.

### ✔ Longer-lasting water softener

When used in conjunction with ion-exchange resin, the carbon protects it from degradation, which means fewer bed replacements and lower operating costs.

## CARBON FILTER – CLEANER WATER EVERY DAY

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**The carbon filter** used in the water softener effectively improves water quality by removing chlorine, unpleasant odours and substances that impair taste. As a result, the water becomes more natural and safe for everyday use. This solution enhances the comfort of household members' lives — from the kitchen and bathroom right through to the protection of plumbing systems and household appliances. Soft and additionally filtered water also means lower detergent consumption and better care for skin and hair. It is important to remember that the softener will not work properly without the carbon cartridge; although it can be replaced, the appliance requires the cartridge to be present for correct operation.



### ✔ Easy cartridge replacement

The device allows for easy replacement of the cartridge, simply unscrew the component and remove the used filter.

### ✔ Better taste and smell of the water

Chlorine-free water tastes fresh and natural, which you'll appreciate when drinking, cooking, or making coffee or tea.

### ✔ Protection of installations and equipment

Reducing aggressive chemicals helps protect pipes, taps and household appliances from corrosion and premature wear.

### ✔ Greater comfort and savings

Cleaner water means less limescale, reduced use of cleaning products and greater convenience in the day-to-day running of the whole house.

## AUTOMATIC HEAD

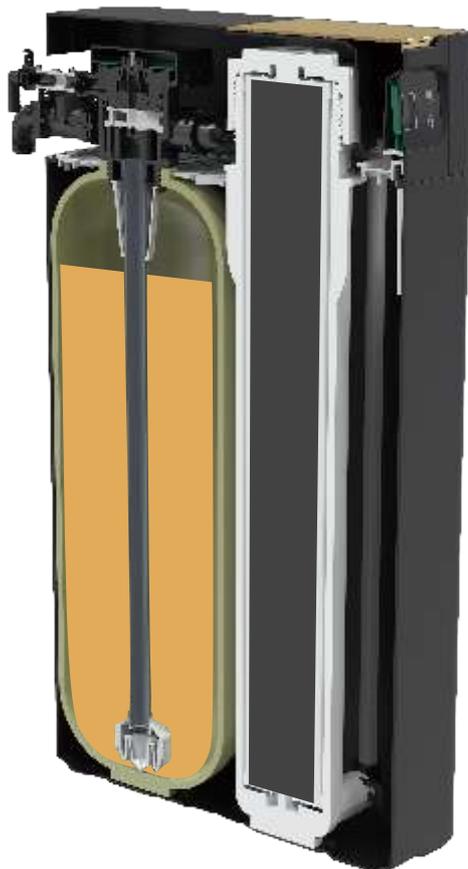
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**The state-of-the-art control** unit automatically adjusts the water softener's operation to match your water consumption. Once the water hardness and regeneration time have been set, the system automatically adapts the operating cycles to your actual usage. Upflow regeneration improves performance, reduces salt and water consumption, and extends the service life of the resin bed.

- Lower operating costs
- Overview of the device's current operation
- Easy and intuitive to use
- Parameter programming

## CONVENIENT WATER TREATMENT



The system automatically manages the water regeneration process, thanks to its built-in timer and fully automatic operation. It calculates the amount of water required for regeneration based on: resin capacity, water hardness and the set regeneration factor. Regeneration starts automatically when the supply of treated water runs out or at a set time (default 2:00 am).

### Benefits of use

- **Peace of mind and convenience** - there's no need to remember to start the regeneration process, the system operates automatically.
- **Water and energy savings** - regeneration only takes place when it is really necessary.
- **Optimal operation of the device** - you always have the right amount of treated water, without any downtime.

## TECHNICAL SPECIFICATIONS

Symbol	WS-21-LCD-CARBO-DUO
Ionite content	21 l
Maximum flow rate	2 m <sup>3</sup> /h
Nominal flow rate	1,5 m <sup>3</sup> /h
Service life of the carbon filter	about 1 year
Average water consumption	180 l
Average salt consumption	2,5 kg
Dimensions (W/D/H)	27 x 47,5 x 83,8 (cm)
Cylinder size (diameter/height)	9x26"
Weight	39 kg
Operating pressure	2-4,4 bar
Operating temperature	5-38°C
Ion exchange capacity	59 dH x m <sup>3</sup> /h
Fibrous activated carbon cartridge	30"
Connections	1"