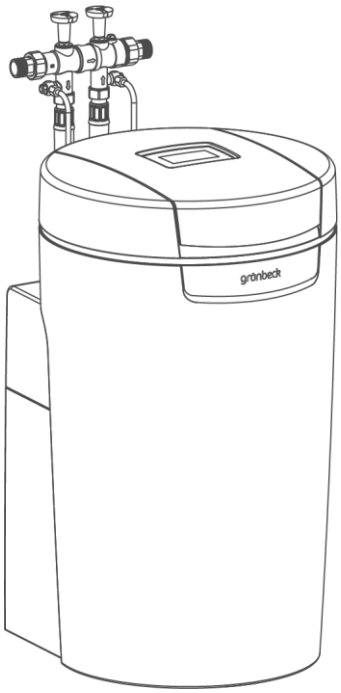


Hygiene system safeliQ:EB

Intended use

The hygiene system safeliQ:EB must only and exclusively be used for the reduction of germs in microbiologically contaminated, cold drinking water.

The hygiene system safeliQ:EB features a hygiene unit to reduce micro-organisms. The retention rate for Pseudomonas aeruginosa and Escherichia coli is 99.99 %.

The hygiene system safeliQ:EB30 is suitable for the supply of hygienically treated water in installations with a nominal flow of up to 3.0 m³/h. Apart from single and multi-family households of max. 5 persons, this also includes kindergartens and commercial properties.

The safeliQ hygiene system is designed for the prophylactic hygiene treatment of drinking water if microbiological contamination occurs.

The service life of the hygiene elements is 250 m³ or 2 years, whichever comes first. After the service life has expired, the hygiene elements must be replaced by technical service personnel. In case of higher water demands or continuous flows, we recommend using modular safeliQ systems.

Foreseeable misuse

The safeliQ hygiene system must not be operated with water originating from private water supply systems.

Function

By way of electrostatic interaction, the hygiene unit fixes micro-organisms (e.g. bacteria) on the hygiene membrane. When flowing through the membrane, the micro-organisms are removed from the water. The fixed micro-organisms are inactivated by disinfection at regular intervals.

The time for the system disinfection is scheduled in a time period where usually little water is consumed.

Alternatively, the time of disinfection can be set at a fixed time or flexibly per day of the week. A manual system disinfection can be released at any time.

Thanks to the system's mode of operation, the owner/operating company continuously have hygienically safe water at their disposal.

For hygienic reasons, the safeliQ system initiates a disinfection process every three days.

Grünbeck myProduct app

The safeliQ hygiene system can be controlled and registered with Grünbeck's myProduct app. By means of a mobile end device, the data can be retrieved worldwide.

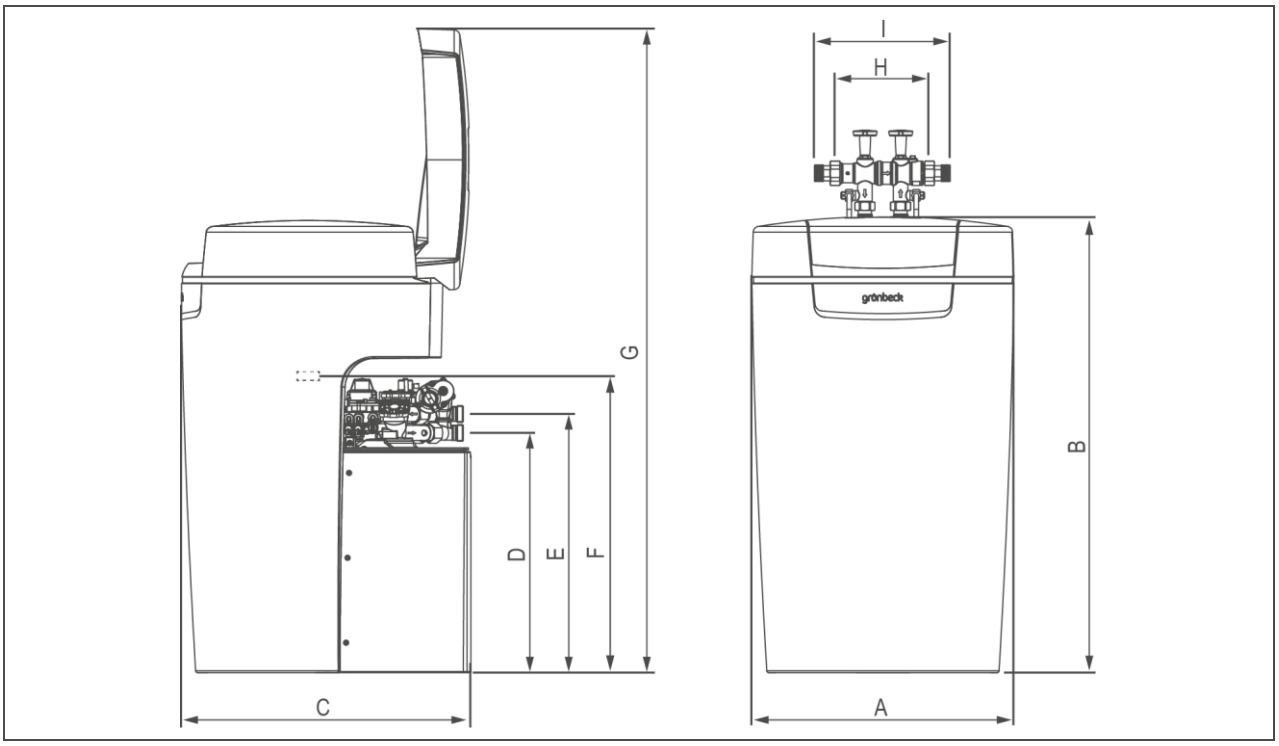
Design

- Compact design requiring little floor space and making optimum use of the space available
- Ergonomic system design for convenient operation
- Removable brine tank for hygienic and easy cleaning
- Integrated support tray to safely fill the brine tank
- Removable service lid for quick and convenient access to the control valve
- Compact and easily accessibly brine valve for easy maintenance
- Integrated safety float for increased protection in case of power failures
- Flame-sterilisable sampling valves for hygienic sampling
- Special hygiene elements to reduce germs

Scope of supply

- Hygiene system incl. connection equipment
- Drain connection DN 50 with siphon acc. to DIN EN 1717
- Operation manual

Technical specifications I



Dimensions and weights		safeliQ:EB30
A System width	mm	525
B System height	mm	912
C System depth	mm	580
D Connection height of control valve (hygienically treated water, outlet)	mm	480
E Connection height of control valve (raw water, inlet)	mm	518
F Height of safety overflow of brine tank	mm	540
G Height with open lid	mm	1290
H Installation length without screw connection	mm	190
I Installation length with screw connection	mm	271
Operating weight, approx.	kg	125
Shipping weight, approx.	kg	26

Technical specifications II

When designing the softliQ:PB20/safeliQ:EB30 systems, the expected peak flow rate must be taken into account.

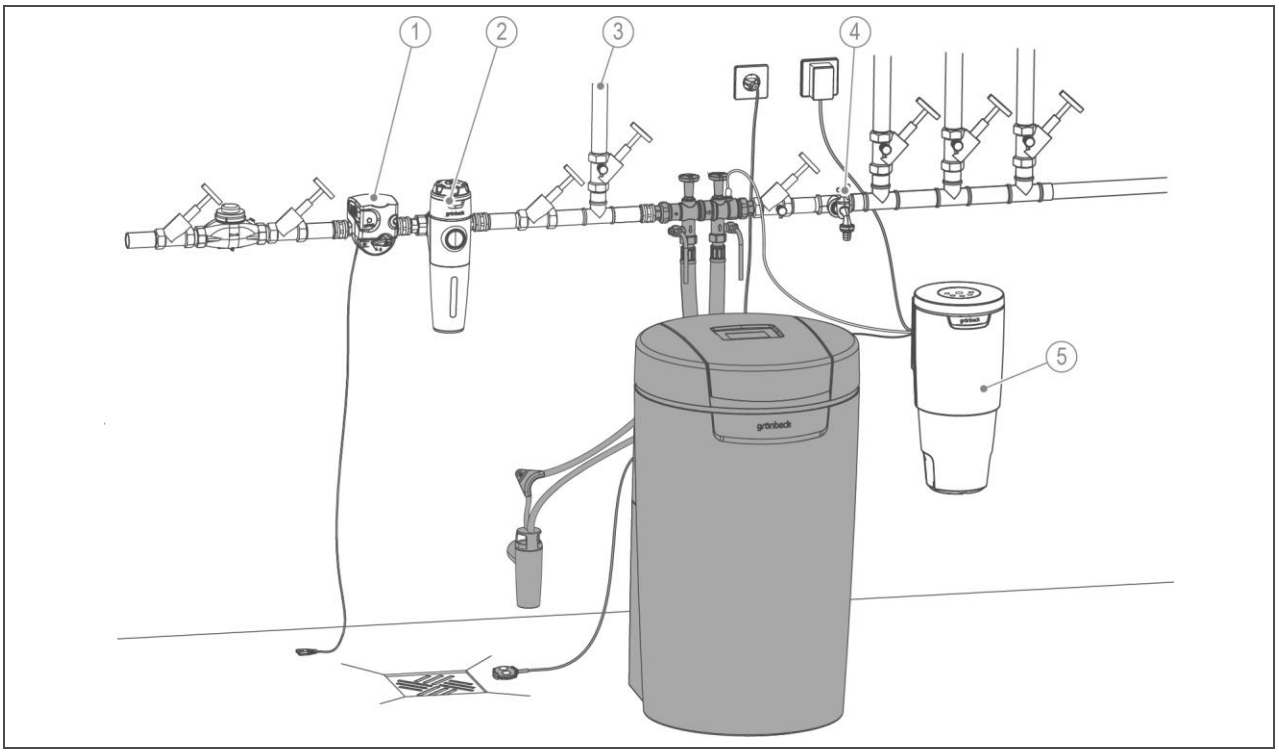
Connection data		**safeliQ:EB30**
Nominal connection diameter		DN 25 (1" m. thread)
Drain connection		DN 50
Rated voltage range	V	100 – 250
Rated frequency	Hz	50 – 60
Rated load (during regeneration, temporarily)	W	14
Power input during softening, with display, Wi-Fi and illuminated LED ring being switched off	W	< 3.5
Protection/protection class		IP54/⧈
Wi-Fi frequency band	GHz	2.4

Performance data		**safeliQ:EB30**
Nominal pressure		PN 10
Rated pressure	mPa/bar	1.0/10
Operating pressure (recommended)	bar	2.0 – 8.0 (4.0)
Nominal flow at a pressure loss of 1.0 bar	m³/h	3.0
Disinfection time (per hygiene unit)	min	25
Disinfection time (both hygiene units)	min	50
Recommended replacement interval of hygiene elements	years	< 2
Recommended replacement interval of hygiene elements	m³	< 250

Filling volumes and consumption data		**safeliQ:EB30**
Salt consumption per disinfection (per hygiene unit)	kg	0.176
Regeneration salt supply	kg	≤ 95
Flushing water flow rate	m³/h	≤ 0.3
Total waste water volume per disinfection (per hygiene unit)	l	31
Number of hygiene units	piece(s)	2

General		**safeliQ:EB30**
Water temperature	°C	5 – 30
Ambient temperature	°C	5 – 40
Humidity (non-condensing)	%	≤ 90
ÜA registration number The Office of the Vienna Provincial Government – City of Vienna		R-15.2.3-21-17496
Order no.		**525 410**

Installation example



Item	Designation	Item	Designation
1	Safety device protectliQ	2	Drinking water filter pureliQ
3	Garden water pipe	4	Water withdrawal point
5	Dosing system exaliQ		

Installation requirements

Obey the local installation directives, general guidelines and technical specifications.

The functionality of the system is guaranteed when using drinking water as per German Drinking Water Ordinance (TrinkwV). Increased turbidity, within the limit values, can lead to an increased pressure loss and reduce the service life of the hygiene elements.

The installation site must be frost-proof and protect the product from direct sunlight, chemicals, dyes, solvents, and their vapours.

A drinking water filter and, if required, a pressure reducer (e.g. fine filter pureliQ:KD) must be installed upstream of the product.

A Schuko socket is required within a distance of approx. 1.2 m of the system. The socket outlet requires permanent power supply and must not be coupled with light switches, emergency heating switches or the like.

A drain connection (DN 50) must be available to discharge the regeneration water.

A floor drain suitable for the respective system size must be available at the installation site. Otherwise, a safety device such as a protectliQ or a safety device with water stop of the same quality must be installed. Floor drains that discharge to a lifting system do not work in case of a power failure.

Make sure that lifting systems are resistant to salt water or use our delivery pump for regeneration water.

The connection block features a non-return valve on the inlet side. Safety relief valves must therefore be installed in flow direction downstream of the safeliQ.

A water withdrawal point must be available near the product.

Accessories

Dosing system
exaliQ:KC6-e
Order no. 117 460

Dosing system
exaliQ:SC6-e
Order no. 117 465

Electronically controlled dosing technology for corrosion protection in case of a negative saturation index or for hardness stabilisation.

Safety device
protectliQ:A25
Order no. 126 405

Product to protect against water damage in one and two-family homes.

For other sizes, please inquire.

Delivery pump for regeneration water
Order no. 188 800

To discharge the disinfection water into drain pipes located at a higher level.

Extension kit
for connection hoses
Order no. 187 860e

To extend the hose to 1.6 m.

Installation kit softliQ
Order no. 188 865

Space-saving combined connection of water softener and filter.

Consumables

Regeneration salt (25 kg)
as per EN 973 type A
Order no. 127 001

Hygiene element for
safeliQ:EA30/EB30 (1 piece)
Order no. 525 604e

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