

Filling cartridge desaliQ:HB

Intended use

The desaliQ:HB filling cartridges are used in combination with the treatment group thermaliQ:HB2 to fully demineralise water in the heating sector.

The filling cartridges can be applied for the treatment of raw water of drinking water quality.

The filling cartridges can also be used for the residual demineralisation of permeate originating from reverse osmosis systems.

Function

The mixed bed resin removes all minerals from the water. This fully demineralised water has a low conductivity and thus reduces galvanic corrosion between metals of different electrochemical series. Monitoring the pH value is essential as it can fluctuate considerably and thus may endanger certain materials.

If the filling cartridge's capacity is exhausted, the filling cartridge must be replaced.

In case of filling cartridge desaliQ:HB4, the mixed bed resin can be replaced as an alternative.

With fully demineralised water, the limit value of 0.1 °dH stipulated by VDI 2355 can be complied with.

Design

- Plastic housing
- Resin filling
- Use of the filling cartridge desaliQ:HB2 in combination with the cylinder of the treatment group.

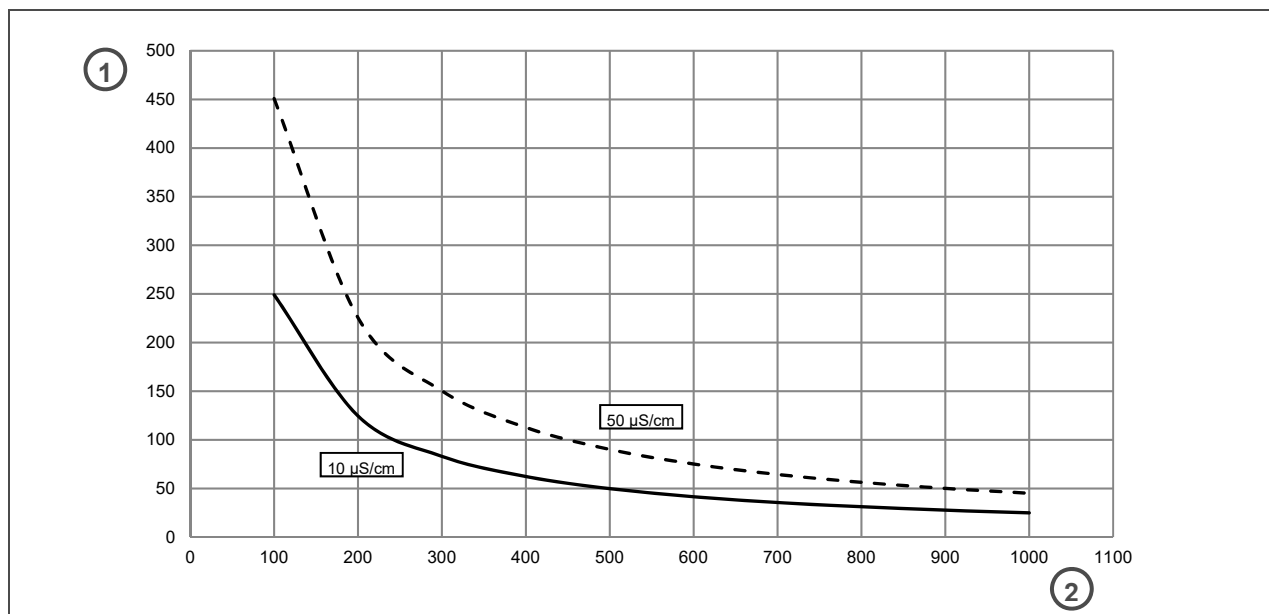
Scope of supply

- Filling cartridge filled with mixed bed resin

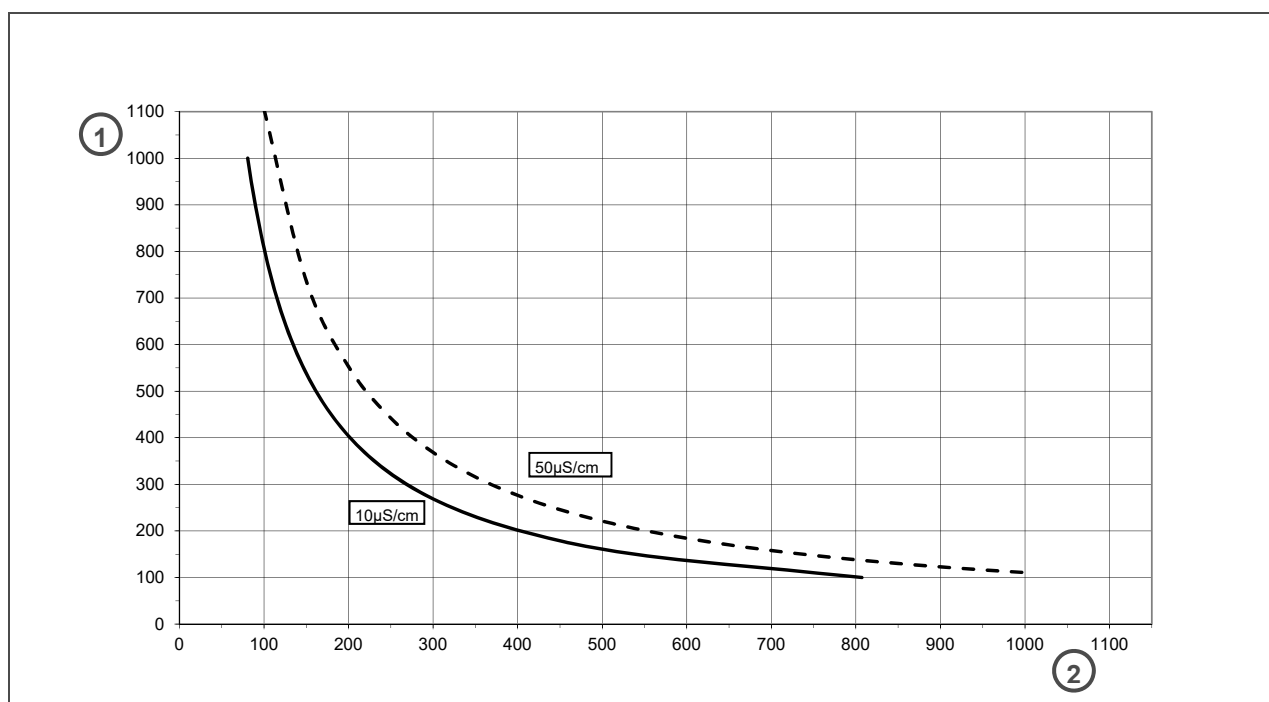
Technical specifications

Dimensions and weights		desaliQ:HB2	desaliQ:HB4
Diameter of cartridge	[mm]	77	130
Tank height with bottle adapter/without bottle adapter	[mm]	365	430/400
Operating weight, approx.	[kg]	0.9	5.0
Shipping weight, approx.	[kg]	0.9	3.6
Connection data		desaliQ:HB2	desaliQ:HB4
Nominal connection diameter of filling cartridge			2½"
Nominal connection diameter of bottle adapter			¾"
Performance data		desaliQ:HB2	desaliQ:HB4
Nominal pressure		PN 6	PN 6
Min./max. operating pressure	[bar]	0 - 6	0 - 6
Nominal flow	[l/h]	200	400
Filling volumes and consumption data		desaliQ:HB2	desaliQ:HB4
Capacity < 10 µS/cm (< 50 µS/cm)	[µS/cm x m³]	25	80 (110)
General		desaliQ:HB2	desaliQ:HB4
Water temperature	[°C]	5 – 30	5 – 30
Ambient temperature	[°C]	5 – 40	5 – 40
Order no. (with bottle adapter)			707 150
Order no. (without bottle adapter)			707 155
Order no.		707 745	

Capacity of filling cartridge desaliQ:HB2



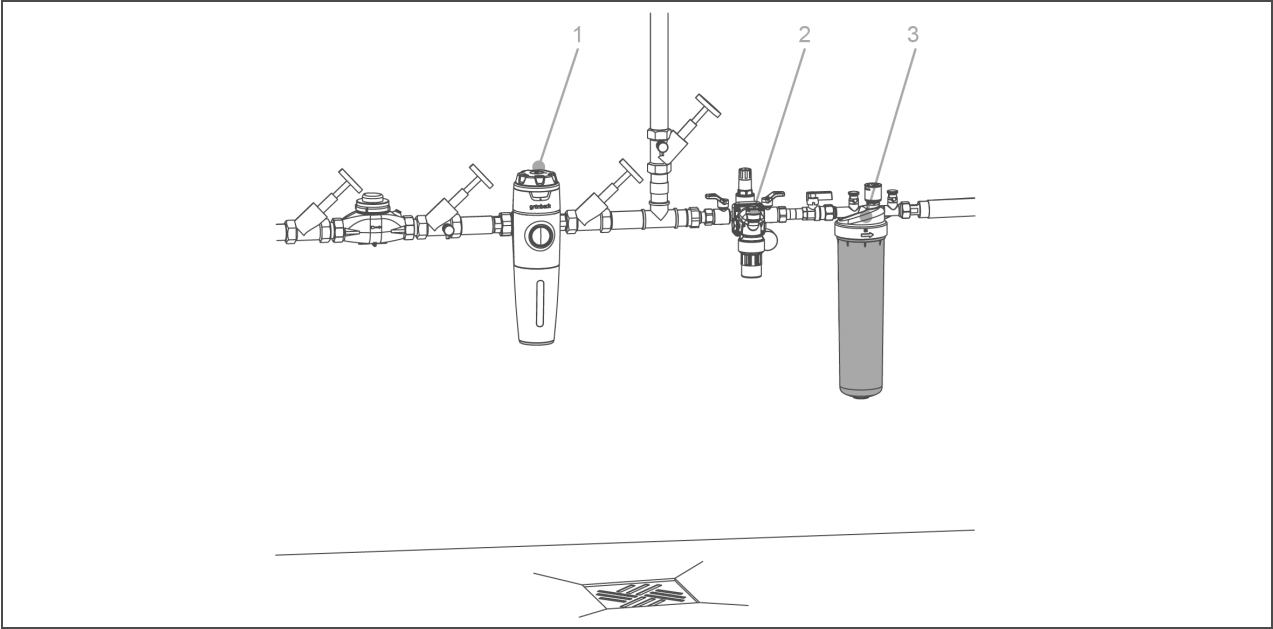
Capacity of filling cartridge desaliQ:HB4



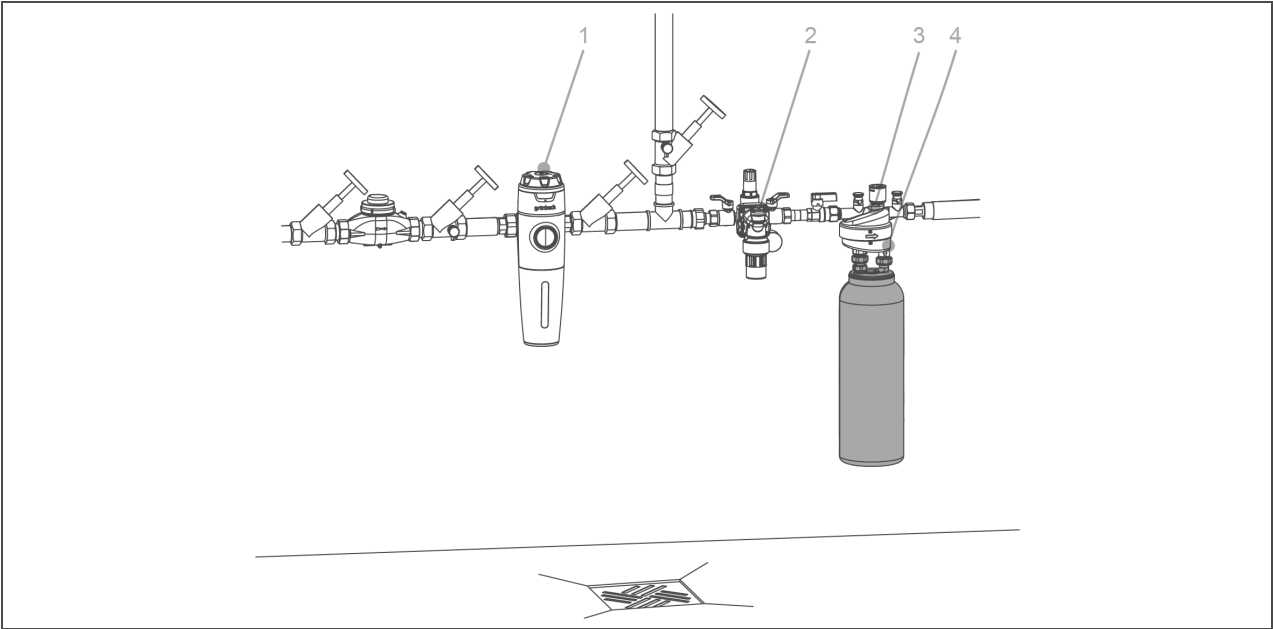
Item	Designation	Item	Designation
1	Filling volume [l]	2	Conductivity ($\mu\text{S/cm}$)

Installation example

Filling cartridge desaliQ:HB2



Filling cartridge desaliQ:HB4



Item	Designation	Item	Designation
1	Drinking water filter pureliQ:KD	2	Filling group thermaliQ:SB13
3	Treatment group thermaliQ:HB	4	desaliQ connection adapter

Installation requirements

Observe local installation directives, general guidelines and technical specifications. The installation site must be frost-proof and ensure the product's protection from chemicals, dyes, solvents and vapours.

A floor drain must be provided in the installation room. If no floor drain is available, an appropriate safety device has to be installed in order to prevent water damage.

Accessories

Filling group thermaliQ:SB13 **Order no. 707 750**

Filling group for the safe connection of a heating system to the drinking water system in compliance with the standards

Treatment group **thermaliQ:HB2** **Order no. 707 755**

Treatment group for the full demineralisation of raw water for the initial filling or make-up water feed of heating systems

desaliQ connection adapter **Order no. 707 276**

Adapter to connect the filling cartridge desaliQ:HB4 to the treatment group thermaliQ:HB2

desaliQ hose kit **Order no. 707 850**

2 drinking water hoses of 1.5 m in length to connect free-standing full demineralisation units to the treatment group thermaliQ:HB2

GENO-therm conductivity **measuring cell II with adapter** **Order no. 707 015**

Measuring cell to monitor the capacity of the connected full demineralisation products

Consumables

Refill pack **Order no. 707 680**

Mixed bed resin to restore the exhausted filling cartridge desaliQ:HB4

Contact

Grünbeck Wasseraufbereitung GmbH
Josef-Grünbeck-Str. 1
89420 Hoechstädt a. d. Donau
GERMANY



+49 9074 41-0



+49 9074 41-100

info@gruenbeck.com
www.gruenbeck.com

