grünbeck

cliQlock

Fine filter pureliQ:KX

Intended use

The pureliQ:KX fine filters are designed for the filtration of drinking water.

The filters can be used for positive pressure and negative pressure applications.

The fine filters pureliQ:KX are designed according to the stipulations of DIN EN 13443-1 and DIN 19628 and are intended for installing into the drinking water installation according to DIN EN 806-2 (installation immediately downstream from the water meter).

They protect the water pipes and connected water-carrying system parts from malfunctions and corrosion damage due to

undissolved impurities (particles) such as rust particles, sand, etc.

The filters can only be used in combination with the cliQlock module system.

The filters are not suitable for circulation water that is treated with chemicals.

The filters are neither suitable for oils, greases, solvents, soaps and other lubricating media, nor for the separation of water-soluble substances.

Mode of operation

The unfiltered drinking water flows into the filter through the inlet side and from the outside in through the filter element and to the pure water outlet. Thus, foreign particles of > 100 μm in size are retained.

Depending on their size and weight, the foreign particles either stick to the filter cartridge or they fall straight down into the filter cylinder.

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Further product
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Structure

- closed, easy-to-clean device surface
- removable cover to protect the filter cylinder and filter element from UV light
- inspection window integrated in the cover to determine the degree of impurities in the filter element
- Filter head made of pressure-resistant plastic and interval indicator for the filter element replacement

- filter cylinder can be removed without tools
- replaceable filter element made of polyester fabric (filter fineness 100 µm)
- all parts in contact with water comply with the German Drinking Water Ordinance. Test regulations: KTW, DVGW W 270, DIN 50930-6
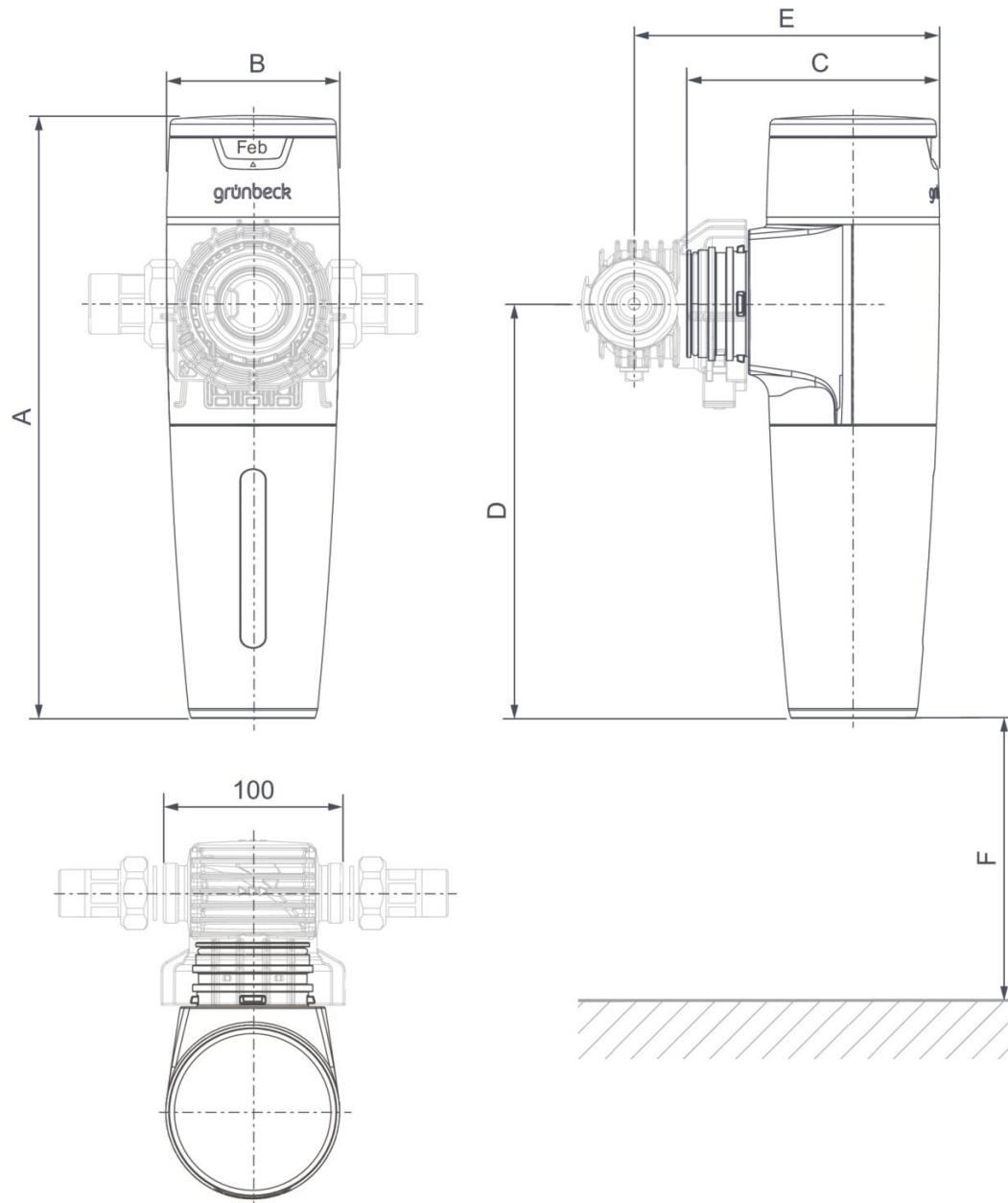
Scope of supply

- Fine filter pureliQ
- 100 µm filter element
- Mounting and connection material

Not included in scope of supply

- cliQlock basic module

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Technical specifications

Dimensions and weights			KX (DN 20)	KX (DN 25)	KX (DN 32)
A	Height	mm	335	335	335
B	Width	mm	96	96	96
C	Depth	mm	145	145	145
D	Height connection	mm	235	235	235
E	Depth connection	mm	170	170	170
F	Maintenance dimension bottom	mm	150	150	150
Product weight empty		kg	1,2	1,0	1,0
Shipping weight		kg	1,2	1,2	1,2

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Connection data with cliQlock basic module		Fine filter pureliQ:KX	
Nominal diameter	DN 20	DN 25	DN 32
Connection diameter	¾"	1"	1 ¼"

Performance data		KX (DN 20)	KX (DN 25)	KX (DN 32)
Nominal flow at Δp 0.2 bar	m³/h	3,1	3,7	4,0
Nominal flow at Δp 0.5 bar	m³/h	5,0	6,0	6,3
KV value	m³/h	6,5	8,5	9,1
Pore size	µm	100	100	100
Lower and upper filtration fineness	µm	80 - 120	80 - 120	80 - 120
Nominal pressure		PN 16	PN 16	PN 16
Operating pressure	bar	2,0 - 16,0	2,0 - 16,0	2,0 - 16,0

General data		KX (DN 20)	KX (DN 25)	KX (DN 32)
Media temperature	°C	5 - 30	5 - 30	5 - 30
Ambient temperature	°C	5 - 40	5 - 40	5 - 40
Order no.		**101000010000**	**101000010000**	**101000010000**

Pressure loss curve
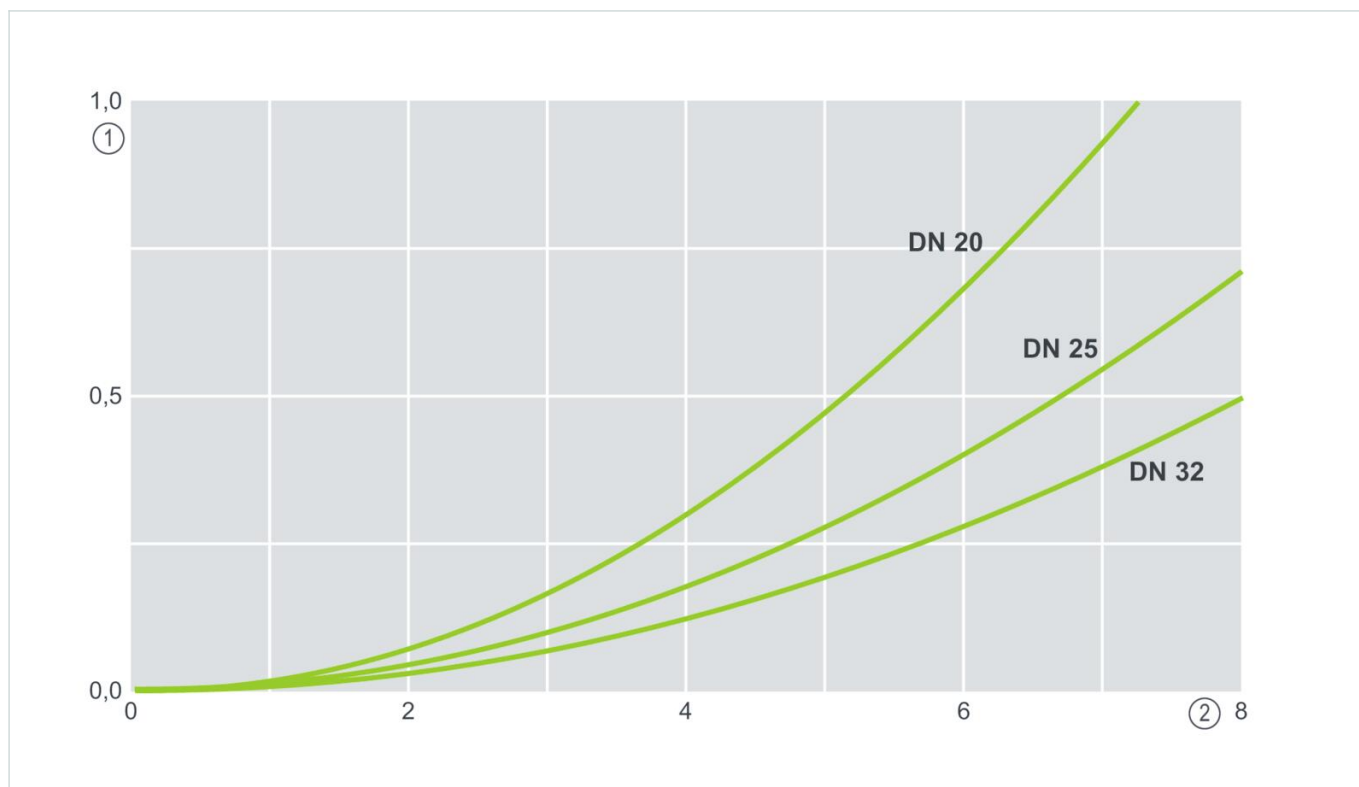
	Designation			Designation
1	Differential pressure in bar		**2**	Flow rate in m³/h
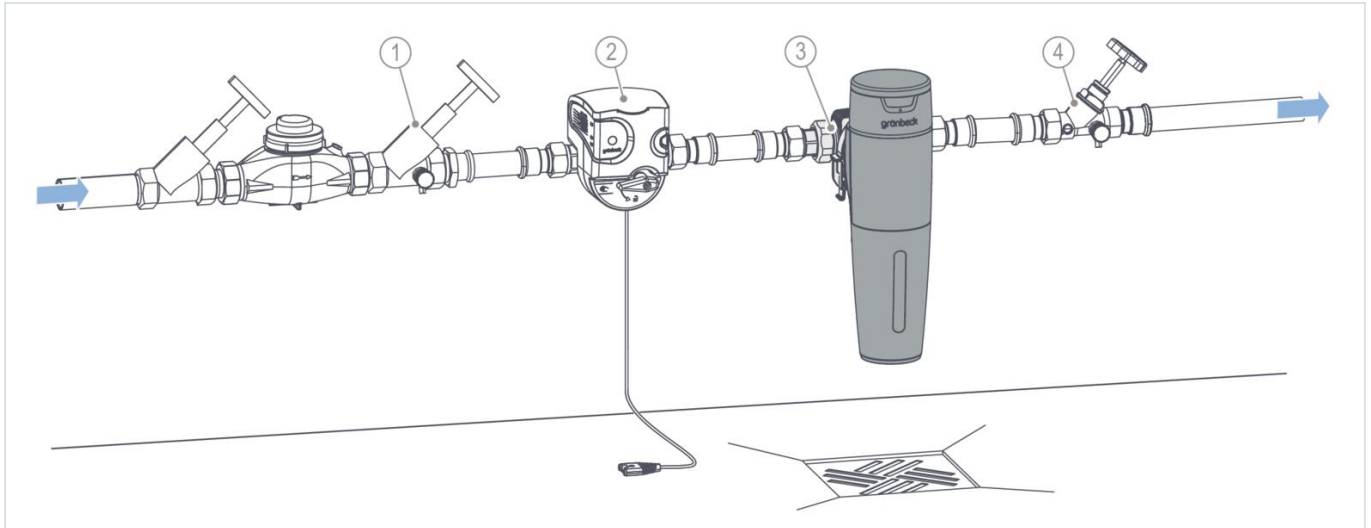
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Installation example

	Designation			Designation
1	Inlet shut-off valve		**3**	cliQlock basic module
2	Safety device protectliQ		**4**	Outlet shut-off valve

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Installation example
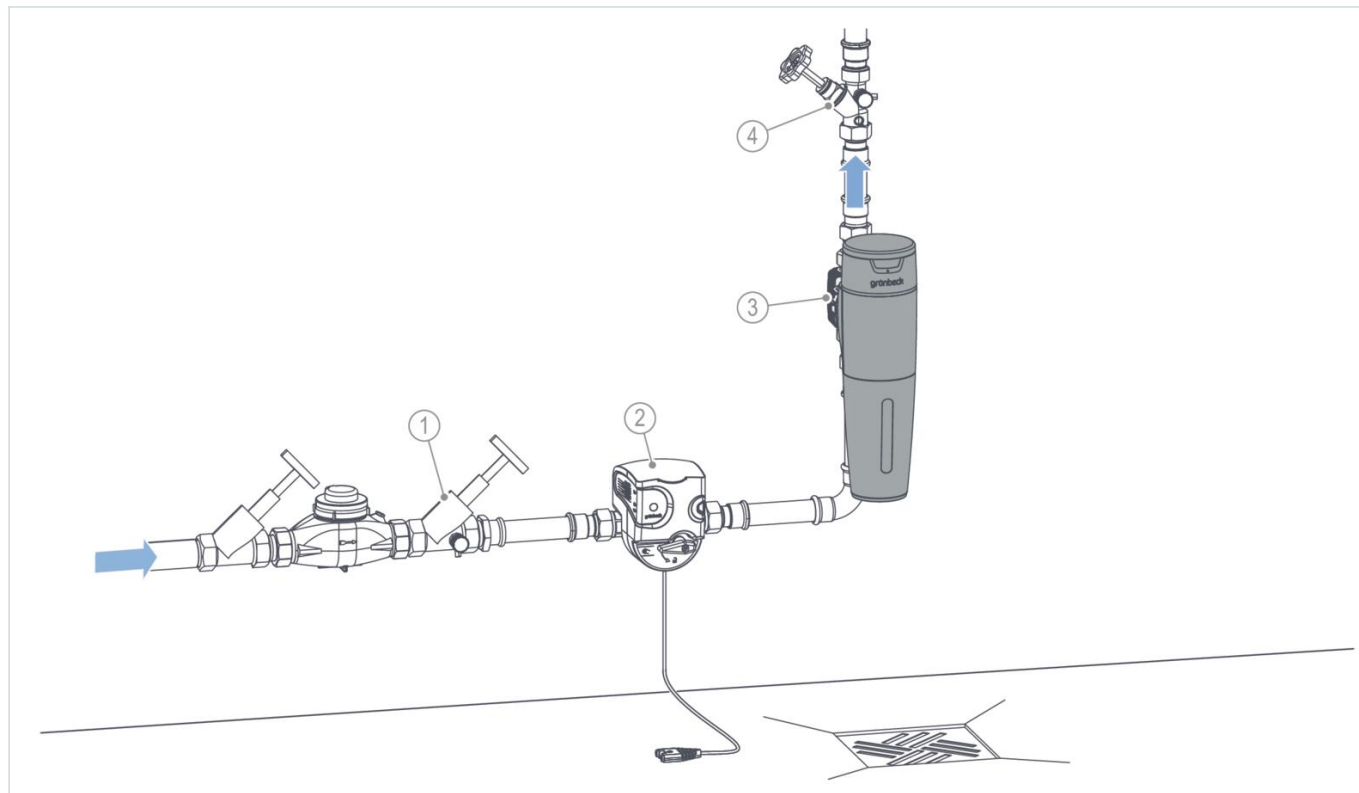
	Designation		Designation
1	Inlet shut-off valve	**3**	cliQlock basic module
2	Safety device protectliQ	**4**	Outlet shut-off valve

Requirements for the installation site

Comply with local installation directives, general guidelines and technical specifications.

- Protection from frost, severe heat exposure and direct sunlight

- Protection from chemicals, dyes, solvents and their vapours

- Ambient temperature and radiation temperature in the immediate vicinity

  - ≤ 25 °C for applications in the drinking water sector

  - ≤ 40 °C for purely technical applications

- Protection from heat sources (e. .g. heating systems, boilers and hot water pipes)

- Access for maintenance work (take required space into consideration)

- Sufficiently illuminated as well as aerated and ventilated

- Pipe with sufficient load-bearing capacity to support the operating weight of the product

Water installation

- Floor drain or corresponding safety device with water stop function (e. g. Safety device protectliQ)

- Shut-off valves upstream and downstream of the product

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Accessories
Availability may vary depending on the country.

		KX (DN 20)	KX (DN 25)	KX (DN 32)
	cliQlock basic module DN 20 Order no.: **101000070000** For installing the pureliQ X series filters or the softliQ:SE water softeners in the drinking water installation.	✔	–	–
	cliQlock basic module DN 25 Order no.: **101000080000** For installing the pureliQ X series filters or the softliQ:SE water softeners in the drinking water installation.	–	✔	–
	cliQlock basic module DN 32 Order no.: **101000090000** For installing the pureliQ X series filters or the softliQ:SE water softeners in the drinking water installation.	–	–	✔

Consumables

		KX (DN 20)	KX (DN 25)	KX (DN 32)
	Filter element 100 µm, 2nd pack Order no.: **101272e**	✔	✔	✔

Recommended products
Availability may vary depending on the country.

		KX (DN 20)	KX (DN 25)	KX (DN 32)
	Dosing system exaliQ:KC6 Order no.: **117400** For volume-based dosing of exaliQ mineral solutions into the drinking and industrial water pipes.	✔	✔	✔
	Dosing system exaliQ:SC6 Order no.: **117405** For volume-based dosing of exaliQ mineral solutions into the drinking and industrial water pipes.	✔	✔	✔

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Recommended products

Availability may vary depending on the country.

	KX (DN 20)	KX (DN 25)	KX (DN 32)
Water softener softliQ:SE21 Order no.: **189000030000** Single water softener for the softening and partial softening of drinking water.	✓	✓	✓
Safety device protectliQ:A20 Order no.: **126400** For protection against water damage in detached and semi-detached houses	✓	–	–
Safety device protectliQ:A25 Order no.: **126405** For protection against water damage in detached and semi-detached houses	–	✓	–
Safety device protectliQ:A32 Order no.: **126410** For protection against water damage in detached and semi-detached houses	–	–	✓

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