

**Filling group
thermalIQ:SB13**

Intended use

The filling group is designed for the safe connection of a heating system to the drinking water system in compliance with the standards.

The filling group thermalIQ:SB13 secures the drinking water against water flowing back from the heating circuit.

The pressure reducer of the filling group thermalIQ:SB13 regulates the filling pressure.

Function

The integrated system separator BA as per DIN EN 12729 protects the drinking water from impurities up to category 4 (heating water as per DIN EN 1717).

The integrated pressure reducer ensures constant pressure.

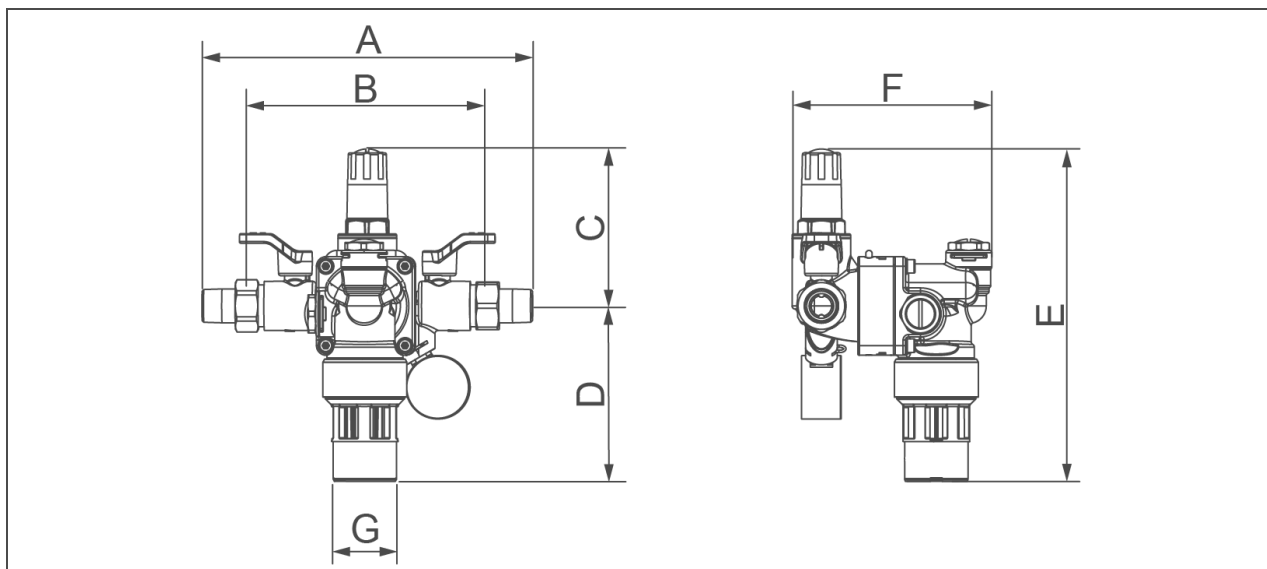
Design

- Shut-off valve
- Dirt trap
- System separator
- Pressure reducer
- Pressure gauge
- Shut-off valve

Scope of supply

- Filling group, completely pre-assembled
- Screw connection
- Operation manual

Technical specifications



Dimensions and weights

A	Installation length with screw connection	mm	208
B	Installation length without screw connection	mm	152
C	Height above centre of pipe connection	mm	99
D	Height below centre of pipe connection	mm	110
E	Total height	mm	209
F	Depth	mm	105
G	Drain connection	mm	40
Operating weight, approx.		kg	1.5
Shipping weight, approx.		kg	1.7

Connection data

Nominal connection diameter	DN 15 (G ½ ")
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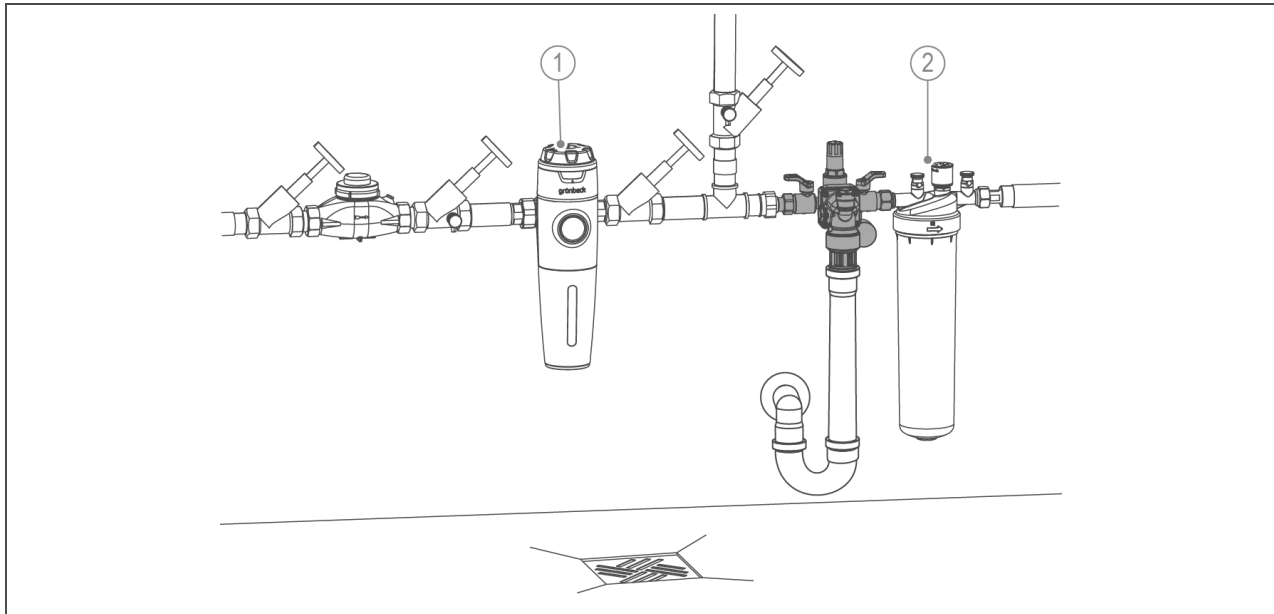
Performance data

Max. operating pressure	bar	10
Setting range	bar	0.5 - 4
Filling capacity at 1.5 bar	m³/h	1.3

General Data

Water temperature	°C	5 - 30
Ambient temperature	°C	5 - 40
Order no.	707 750	

Installation example



Item	Designation	Item	Designation
1	Drinking water filter pureliQ:KD	2	Treatment group thermalIQ:HB2

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.

The installation room must be provided with a floor drain. If no floor drain is available, an appropriate safety device has to be installed to prevent water damage.

A drinking water filter must be installed upstream of the product.

Service kit

Order no. 132 095

Service kit to maintain system separators.

Treatment group thermalIQ:HB2

Order no. 707 755

The treatment group is designed for the full demineralisation of raw water for the initial filling or make-up water feed of heating systems.

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Accessories

Fine filter pureliQ:KD20

Order no. 101 270

The fine filter pureliQ:K filters the drinking water and protects the domestic water system as per DIN EN 806.

protectliQ safety device

Order no. 126 400

The protectliQ safety device is a product to protect against water damage in single and two-family homes.