Sovereign Water

TECHNICAL DOCUMENT

Regal 100 Water Softener
Installation & Connection Details

Arrangement and connection detail drawings for the Regal 100 compact cabinet water softener — installation arrangement with valve assembly and drainage, and scope of supply.

EQUIPMENT
Regal 100 Water Softener

PRODUCT CODE
FU1013CABDVUP

DOCUMENT REF
SWC-REG100-INST-26-R0

DATASHEET REF
SWC-REG100-25-R0

DATE
13 May 2025

REVISION
R0

DETAIL 01 · ARRANGEMENT

Installation arrangement.

Installation arrangement for the compact water softener, showing the sediment prefilter, softener connections, valve assembly and drainage to the building risers.

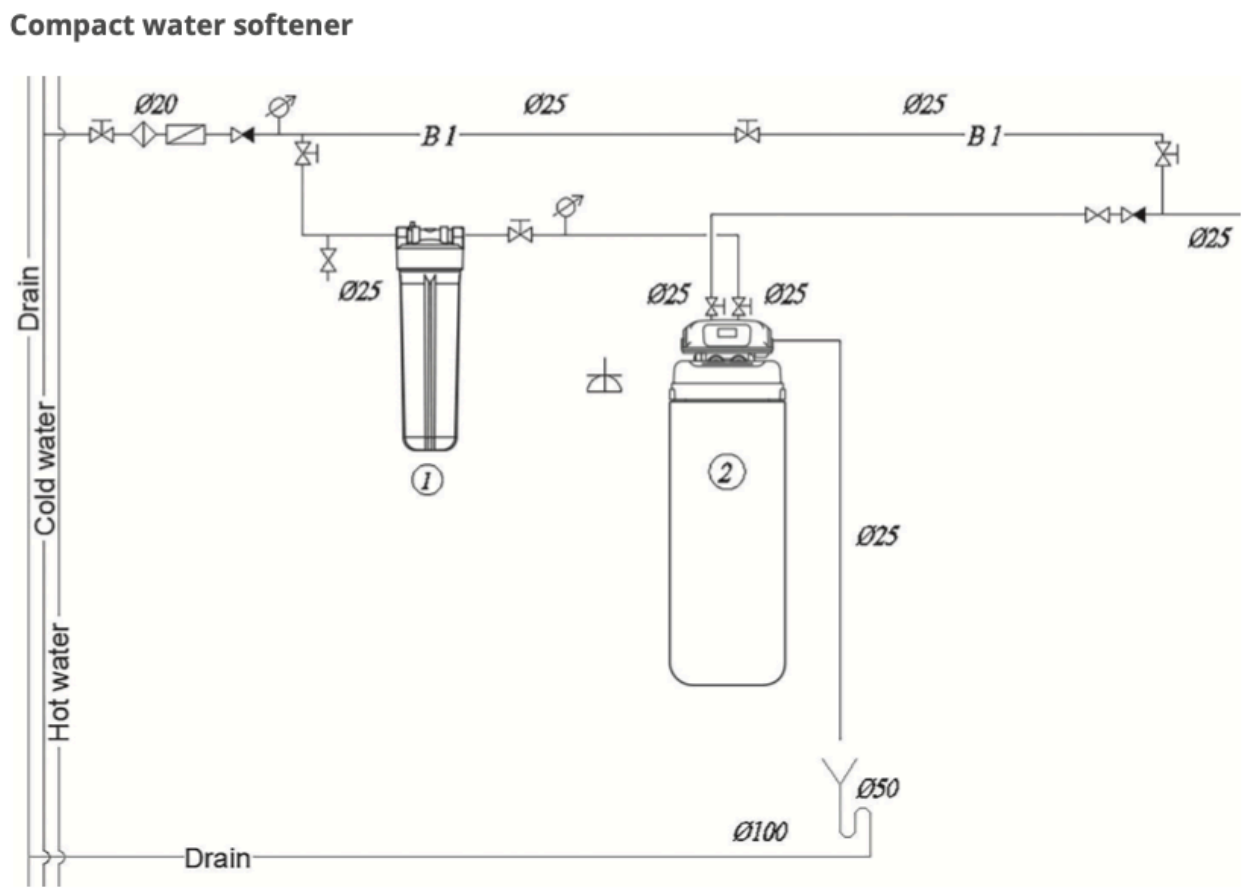


FIG. 01 · COMPACT WATER SOFTENER — INSTALLATION ARRANGEMENT

NOT TO SCALE

①	Sediment prefilter	100 µm
②	Regal 100 softener	Clack® DV
–	Mains inlet	Ø20
–	Distribution / branch	Ø25 · B1
–	Softener connections	Ø25
–	Softener drain	Ø50
–	Main drain	Ø100

Installation notes

- Isolation valves and a bypass arrangement to be provided either side of the softener for servicing without interrupting supply.
- Softener drain and overflow to discharge to the drain riser with an air gap, using the supplied hoses, clamps and drain fitting.
- A 100 µm sediment prefilter is fitted upstream of the softener.
- Final pipe routing, valve positions and supports to be coordinated with the approved plumbing drawings.

DETAIL 02 · COMPONENTS

Scope of supply & connections.

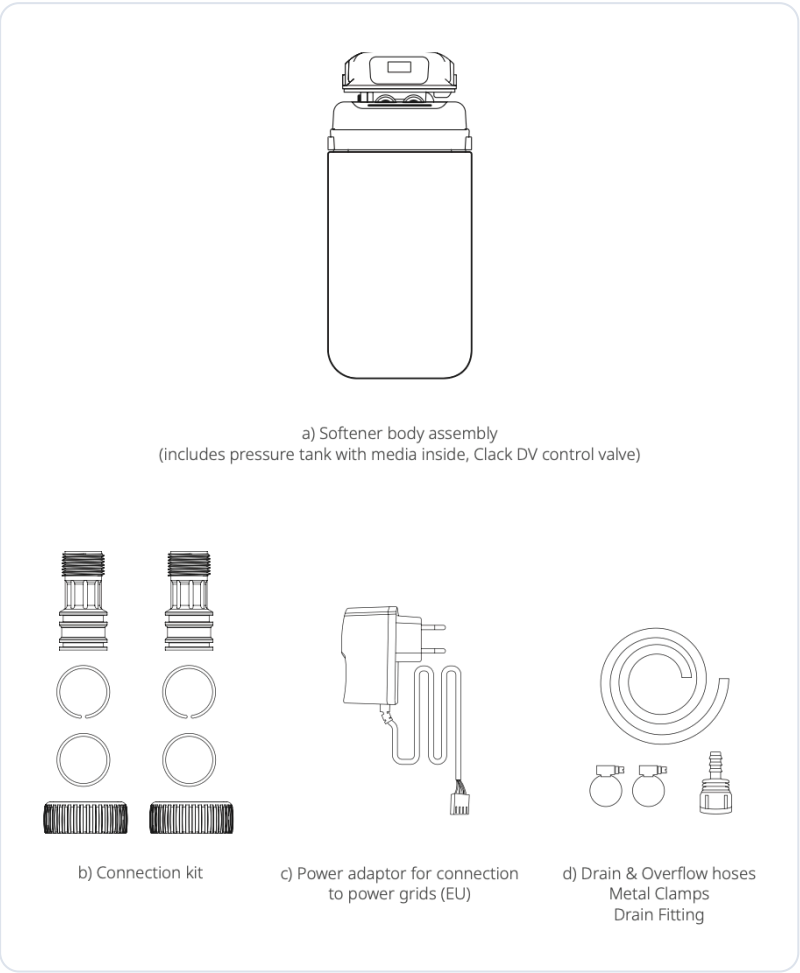


FIG. 02 · SUPPLIED COMPONENTS

NOT TO SCALE

SCOPE OF SUPPLY

- **a) Softener body assembly** — pressure tank with media inside and Clack® DV control valve
- **b) Connection kit** — inlet and outlet adaptors with clips and nuts
- **c) Power adaptor** — for connection to power grids (EU)
- **d) Drain & overflow hoses** — with metal clamps and drain fitting

CONNECTION SCHEDULE

Pipe connections	3/4"
Control valve	Clack® DV
Inlet pressure	2–6 bar
Electrical	230 V · 50/60 Hz · 30 W
Sediment prefilter	100 µm
Water temperature	+4…+30 °C
Dimensions (W×D×H)	270 × 430 × 469 mm
Media (resin)	10 L
Operating flow rate	1.0 / 1.2 m³/h

TECHNICAL QUERIES

Sovereign Water technical team

Further detail available on request.

+44 20 8050 2115
sales@sovereignwater.co.uk