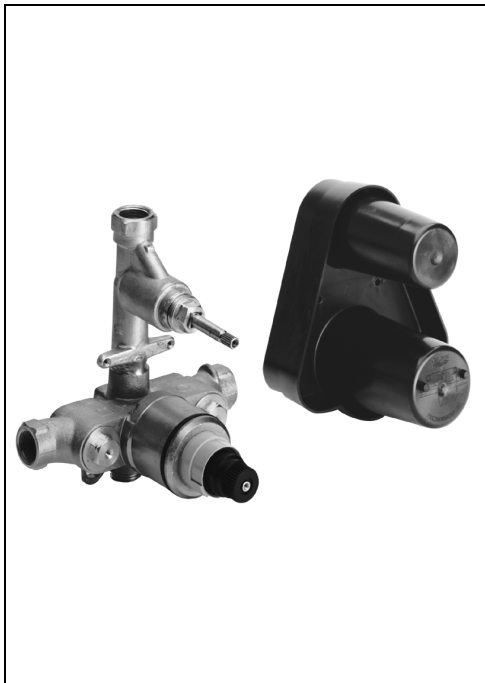




WATER TECHNOLOGY

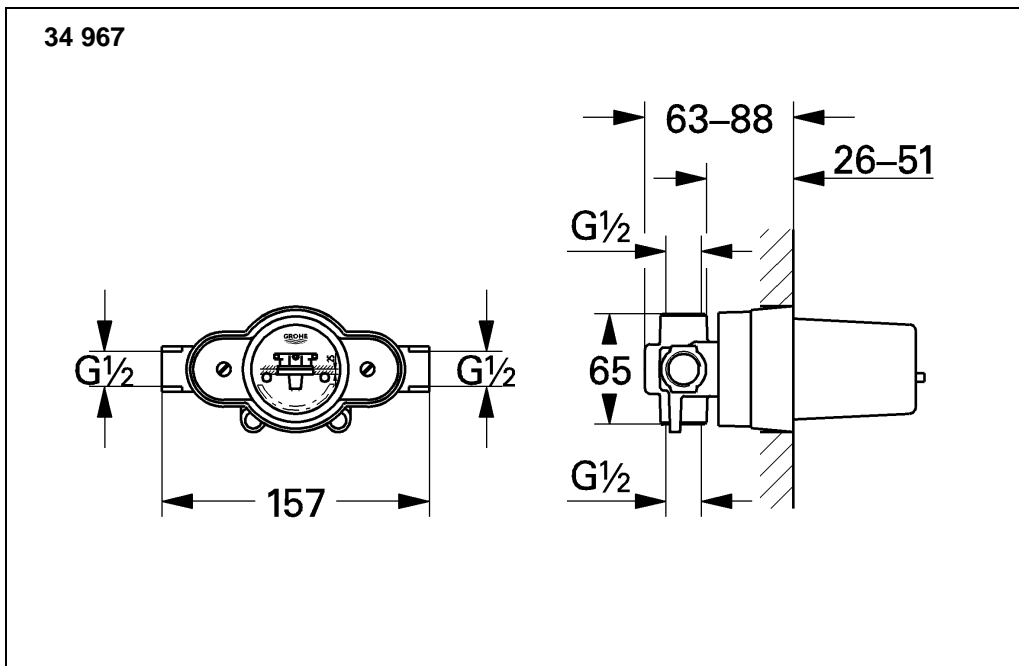
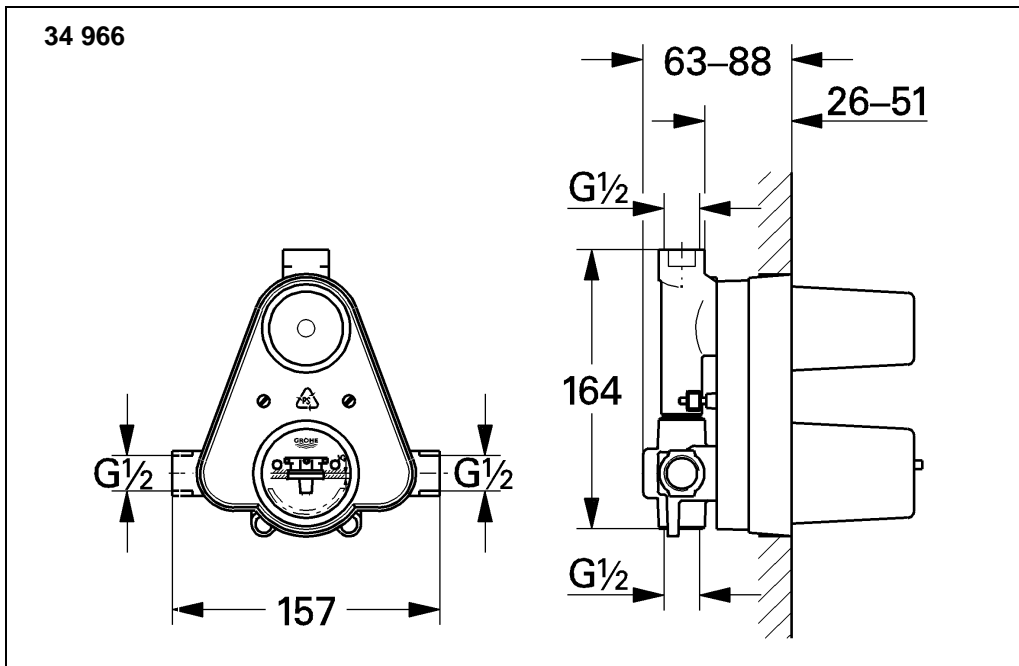


34 966

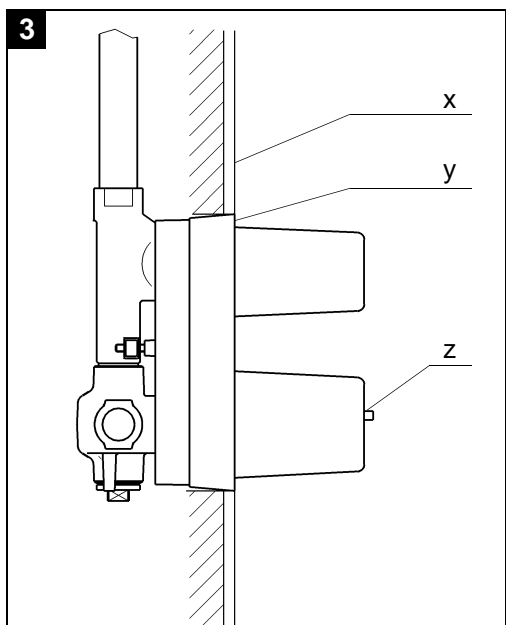
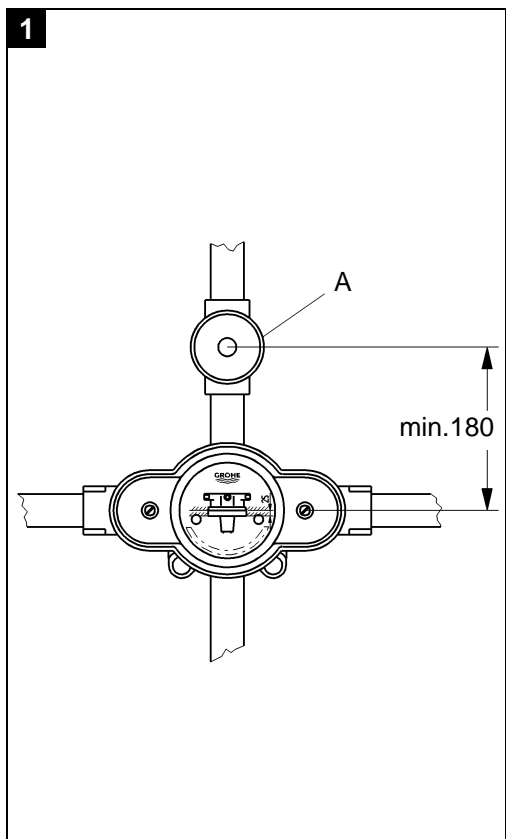


34 967

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Bitte diese Anleitung an den Benutzer der Armatur weitergeben!
Please pass these instructions on to the end user of the fitting.
S.v.p remettre cette instruction à l'utilisateur de la robinetterie!



2

a	b	c
1/2"		29 800
∅ 15 mm		29 801
3/4"		29 802
∅ 18 mm		29 803
∅ 22 mm		29 804
		19 826

GB

Application

Thermostat mixers are designed for hot water supplies from pressurised storage heaters and offer the highest temperature accuracy when used in this way. Given sufficient output (min. 18 kW or 250 kcal per min), electric or gas-fired instantaneous heaters are also suitable.

Thermostat mixers cannot be used in conjunction with low-pressure storage heaters (displacement heaters).

All thermostat mixers are adjusted at the factory at a flow pressure of 3 bar on both sides.

A shutoff device (A) must be installed after the mixed water outlet of concealed thermostatic mixer (34 967), see Fig. [1].

For an order number index to the various installation components and control knob for the concealed mixer, see Fig. [2].

a = Size of union
 b = Part
 c = Part No.

When this model is used as a central thermostat, standard mixers can be installed at the draw-off points, in this case, the thermostat mixer supplies hot water to which cold water can be added.

The built-in thermostat with stop-valve (34 966) only shuts off the upper outlet. An additional stop valve must be fitted if the lower outlet is used, see Fig. [2].

Technical Data

Minimum flow pressure without downstream resistances	0.5 bar
Minimum flow pressure with downstream resistances	1 bar
Max. operating pressure	10 bar
Recommended flow pressure	1 - 5 bar
Test pressure	16 bar
Flow rate at 3 bar flow pressure	
34 966	approx. 24l/min
34 967	approx. 37,5l/min
Max. water temperature at hot water inlet	80 °C
Recommended max. flow temperature (for energy saving)	60 °C
Safety stop	38 °C
Hot water temperature at supply connection min. 2 °C higher than mixed water temperature.	
Hot water connection - W - (-H-)	left
Cold water connection - K - (-C-)	right
Minimum flow rate	5 l/min

At a flow pressure over 5 bar it is recommended that a pressure reducing valve be fitted in the supply line.

Prevention of frost damage

When the domestic water system is drained, the thermostat mixers must be drained separately, since non-return valves are installed in the hot and cold water connections. The complete thermostat assembly and non-return valves must be unscrewed and removed.

New installations

- Prepare wall ready for mixer.
 Drill holes for thermostat mixer and chase-out grooves for pipelines.
- Observe the installation depth in accordance with the instructions given on the mounting template, see Fig. [3].
 x = Face of tiles
 y = Front face of mounting template
 z = Resting point for spirit level
- Align the mixer horizontally, vertically and parallel to the wall, see Fig. [4] (place a spirit level on the cams or face of the mounting template).
- Install concealed thermostat mixer module in wall and connect pipelines, see Fig. [5]. The housing is provided with pre-drilled holes (B) to facilitate mounting the fitting to the wall, see Fig. [4].
- **Do not solder the connections between the pipelines and housing**, otherwise the built-in non-return valves may be damaged.
- Seal the open outlet with screw plug.

Note!

- **The hot water supply must be connected on the left** (marked W (H) on housing) **and the cold water supply on the right** (marked K (C) on housing), **as viewed from the operating position.**

Test the pipelines and concealed thermostat module connections for leaks.

Flush pipelines thoroughly.

1. Remove screws (C) and mounting template (D), see Fig. [6].
2. Close the hot and cold water supplies.
3. Remove non-return valves (E), see Fig. [6].
4. Install flushing plugs (F) in non-return valve seat recesses, see Fig. [7].
5. Open the hot and cold water supplies and flush pipes thoroughly.
6. Close the hot and cold water supplies, remove flushing plugs (F) and reinstall non-return valves (E).
7. Open the hot and cold water supplies.
8. Reinstall mounting template (D).

Plaster and tile the wall.

Do **not** remove the fitting template before final installation.

