RAINSHOWER SMARTCONTROL
DESIGN + ENGINEERING
GROHE GERMANY

99.1029.031/ÄM 242625/02.18

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Pure Freude an Wasser

GROHE

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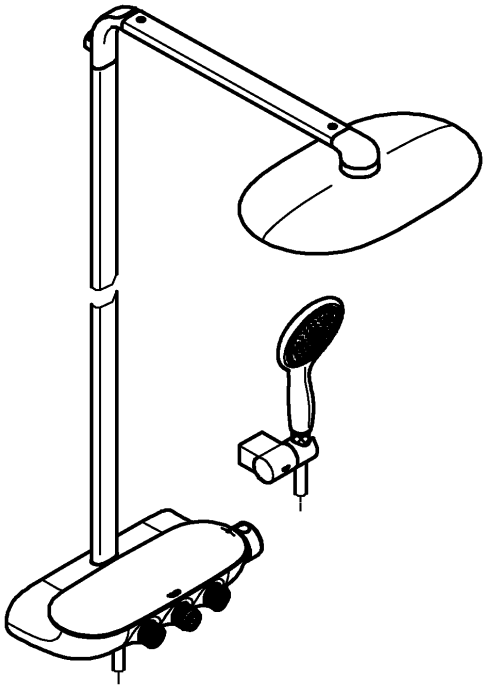

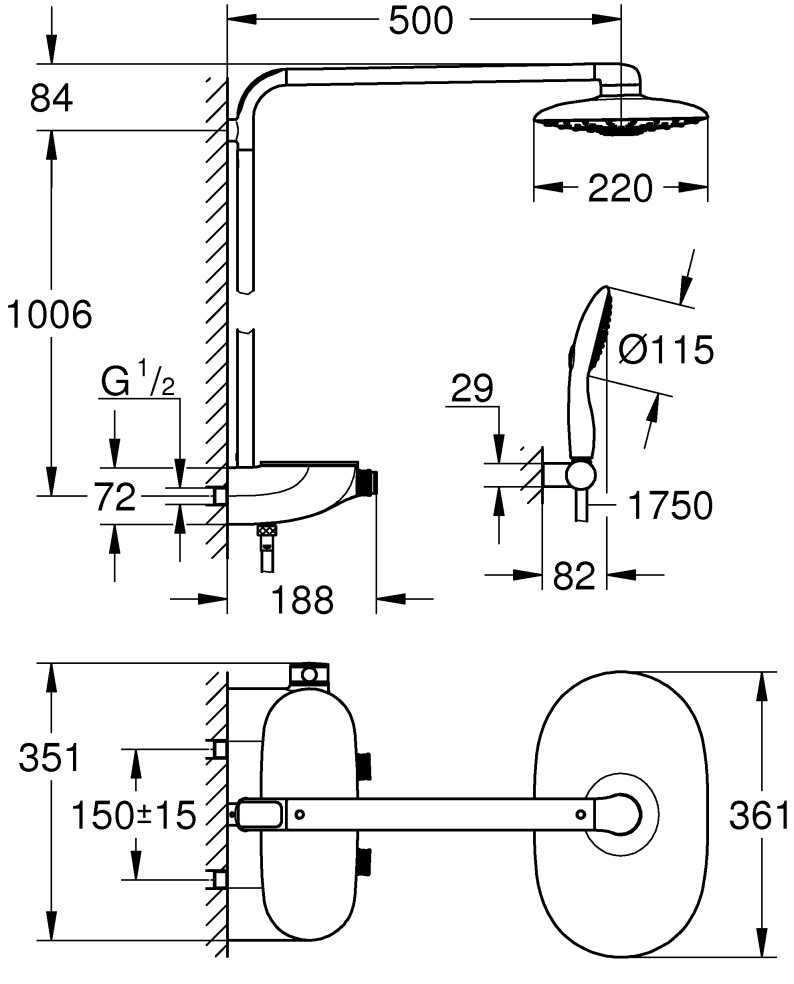

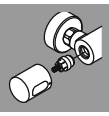

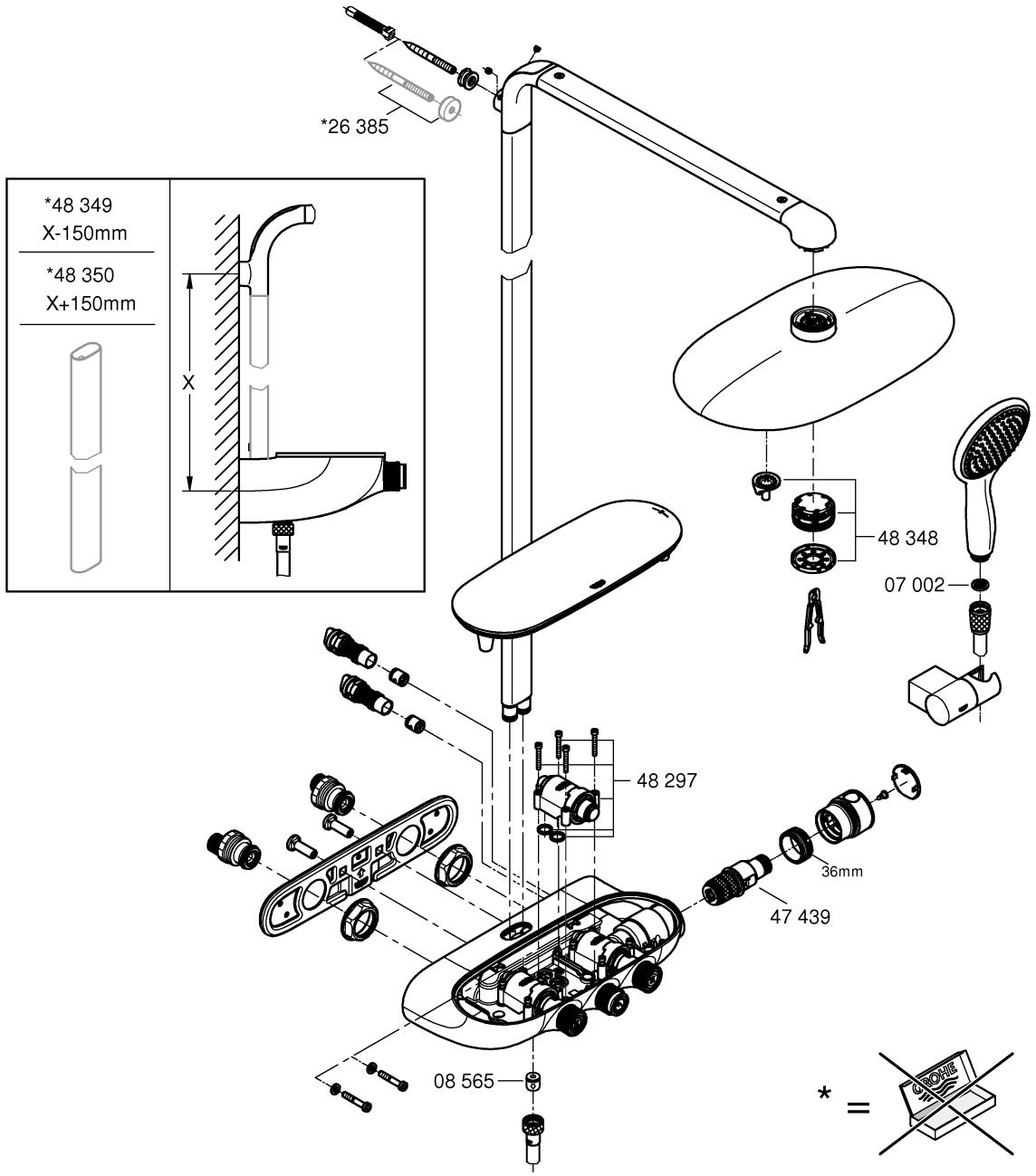
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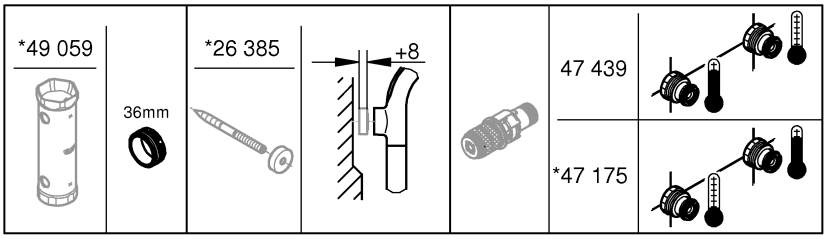
*49 059
36mm
*26 385
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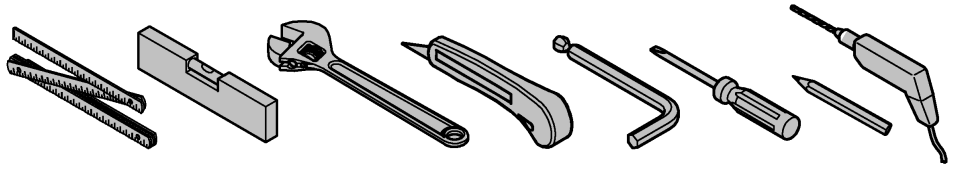

*19 001 *49 059

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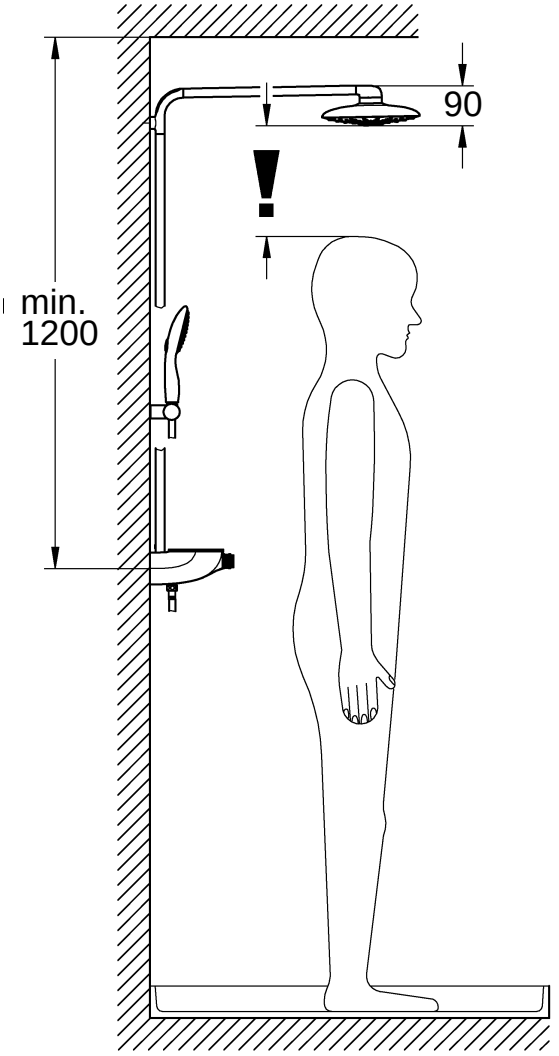

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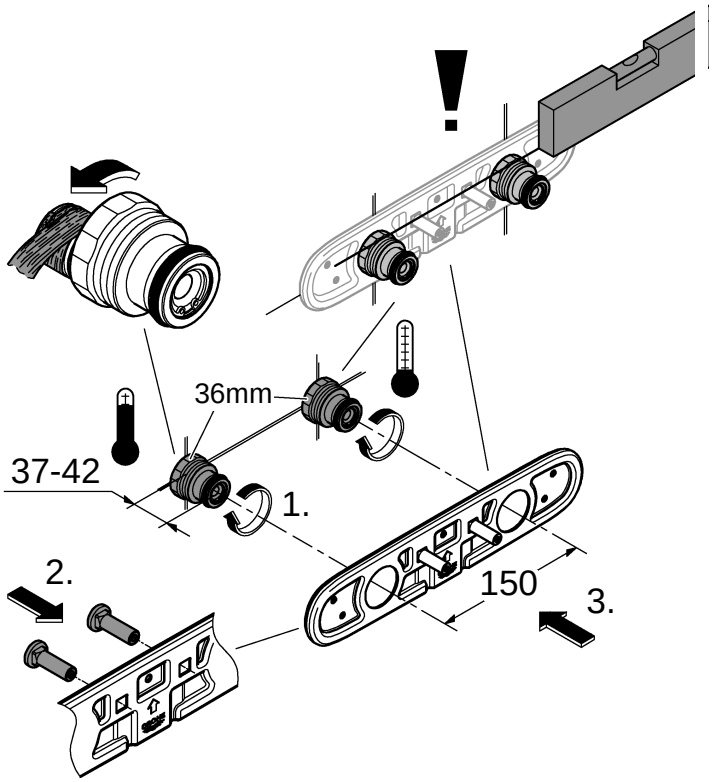

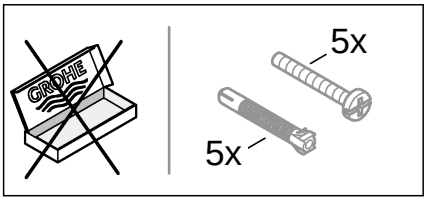

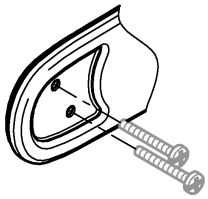

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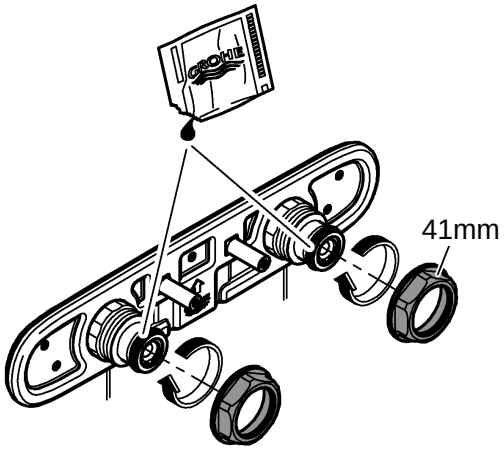

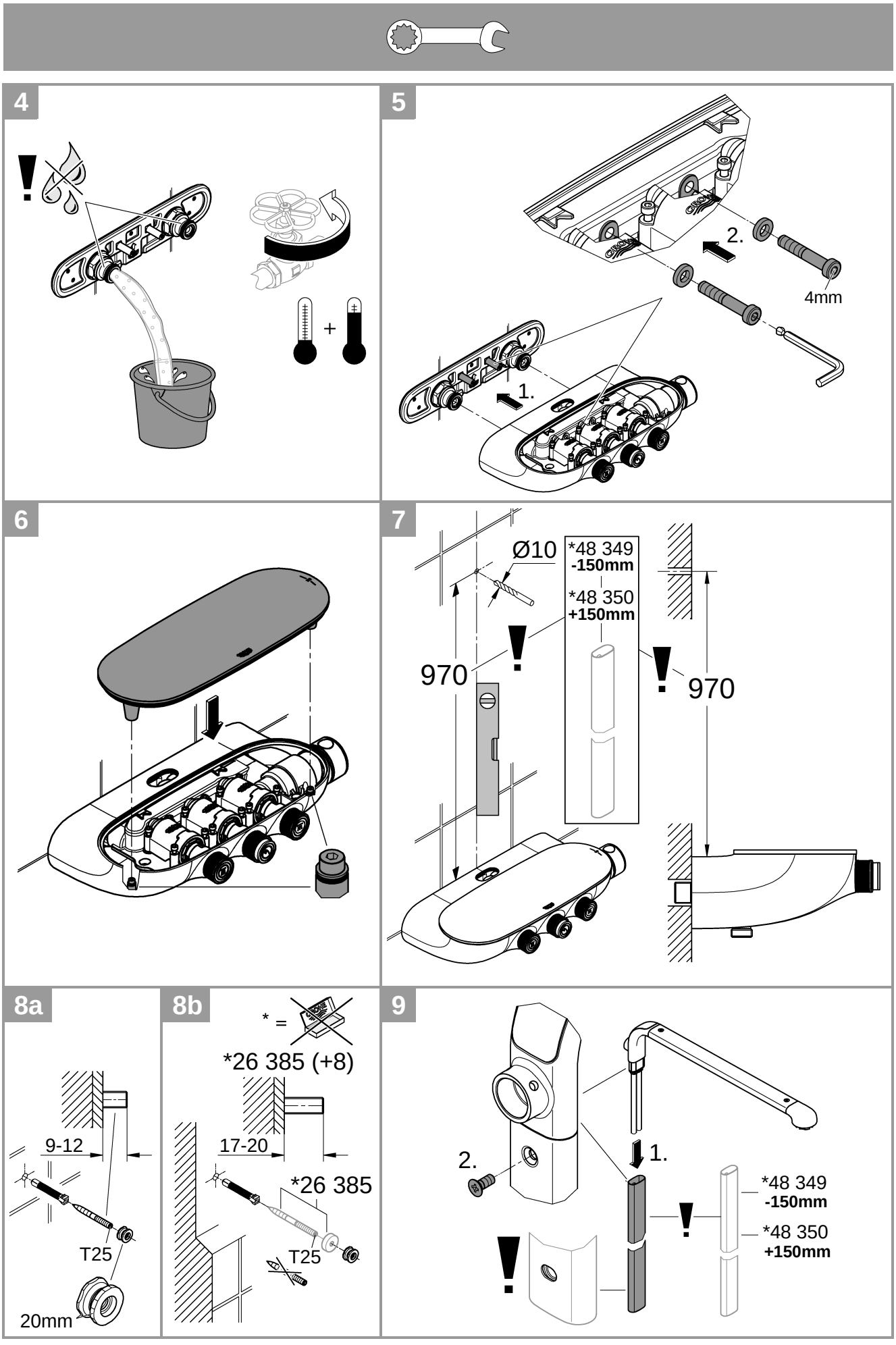
4
5
2.
4mm
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7
Ø10
*48 349
-150mm
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970
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9-12
T25
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9
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*48 349
-150mm
*48 350
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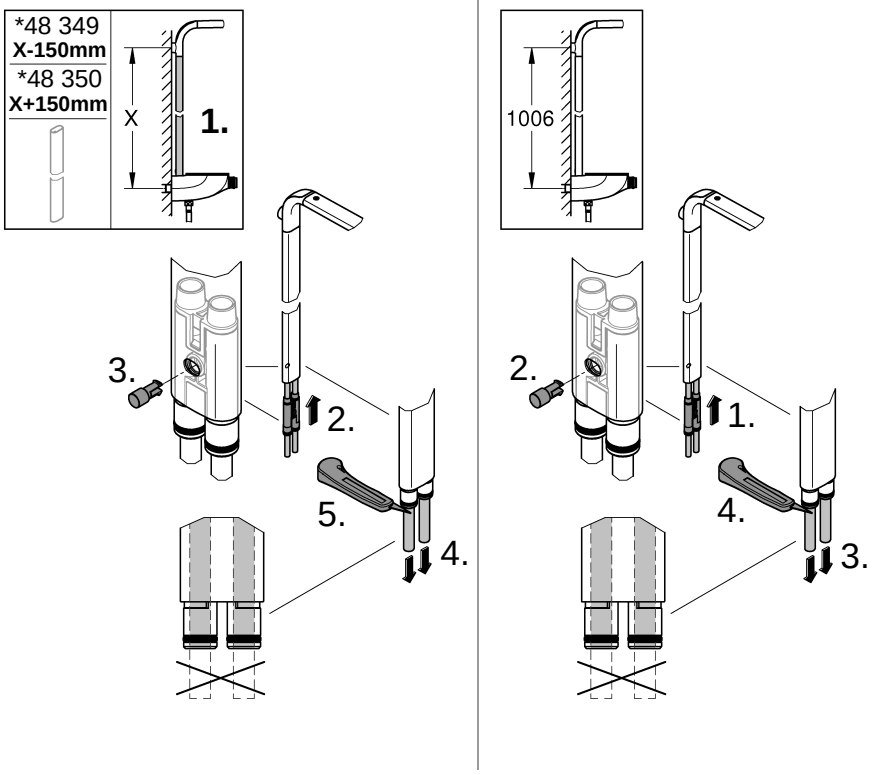
10


*48 349
X-150mm
*48 350
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3.
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1006
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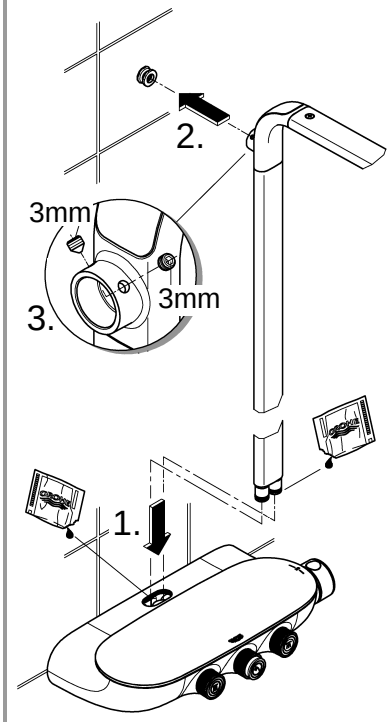
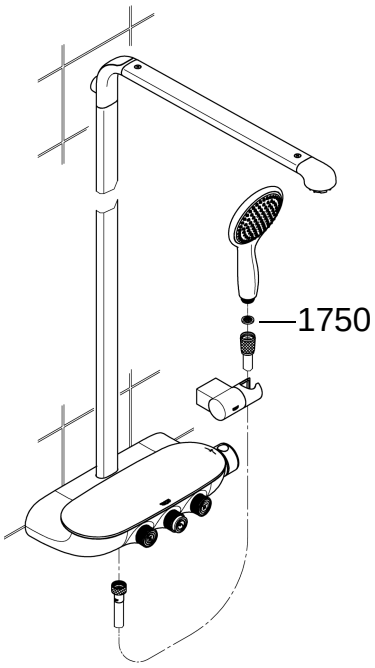
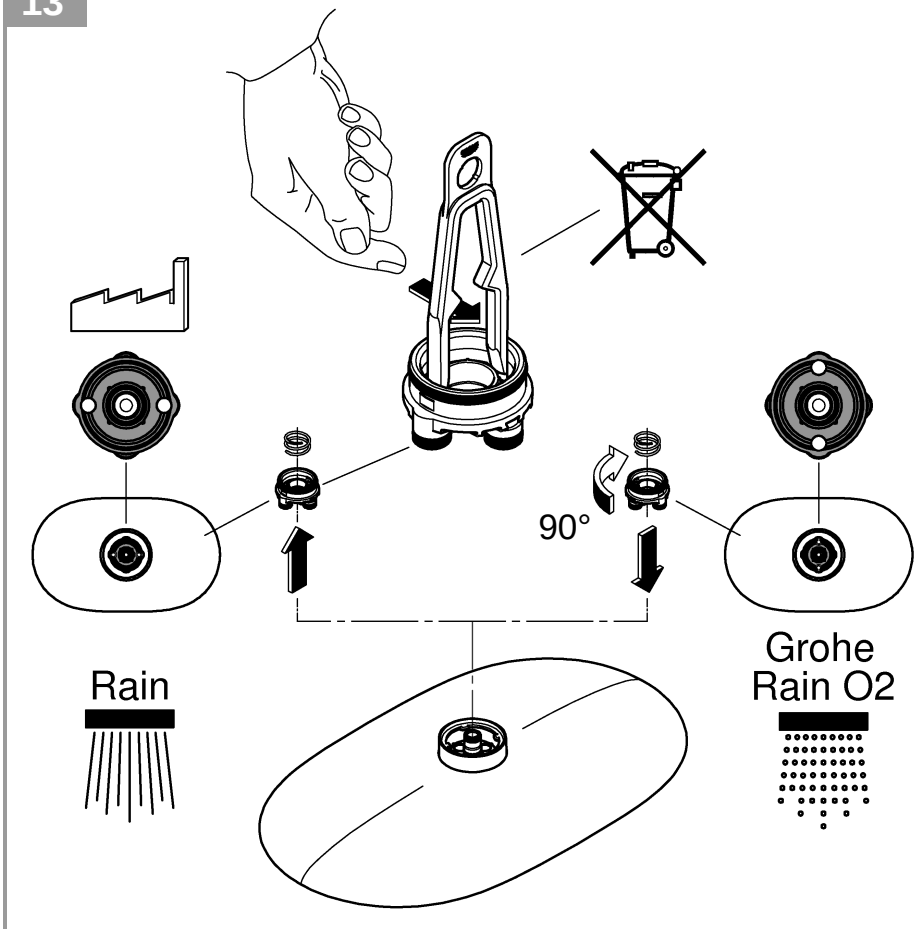
11

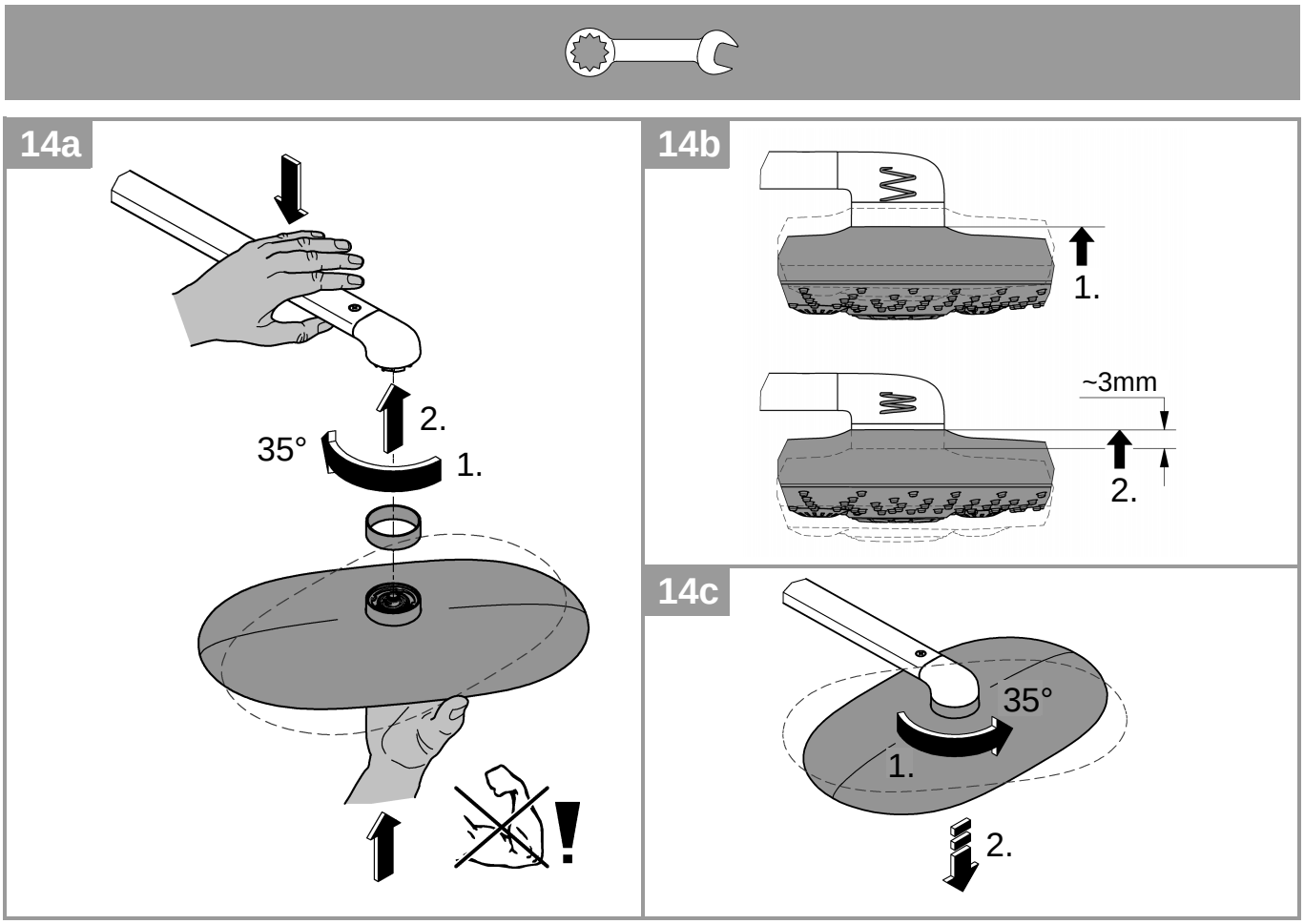

2.
3mm
3mm
3.
1.

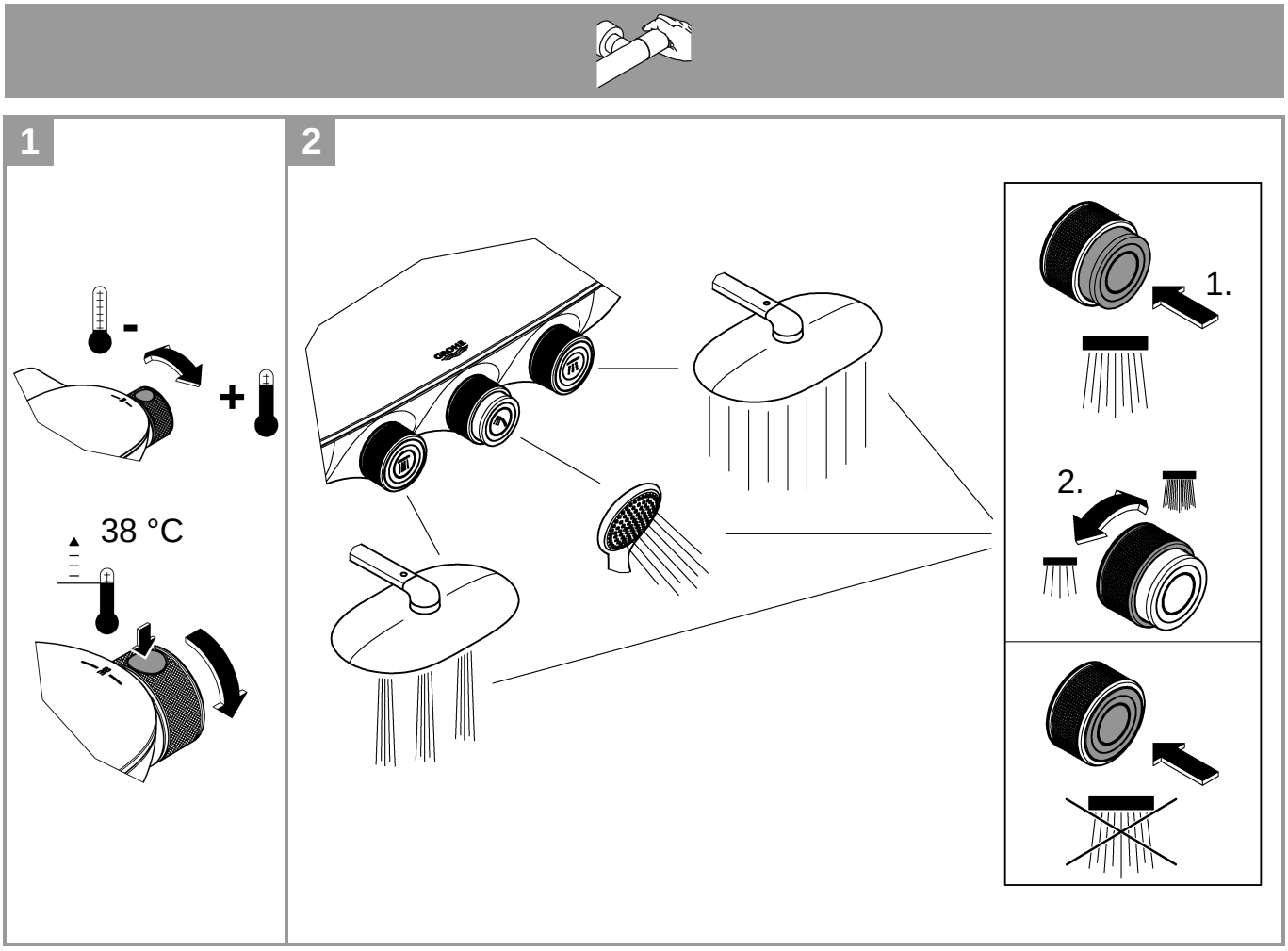
12

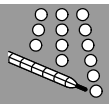

1750

13


90°
Rain
Grohe
Rain O2


14a
35°
2.
1.
!
14b
1.
~3mm
2.
14c
35°
1.
2.


1
-
+
38 °C
2
1.
2.



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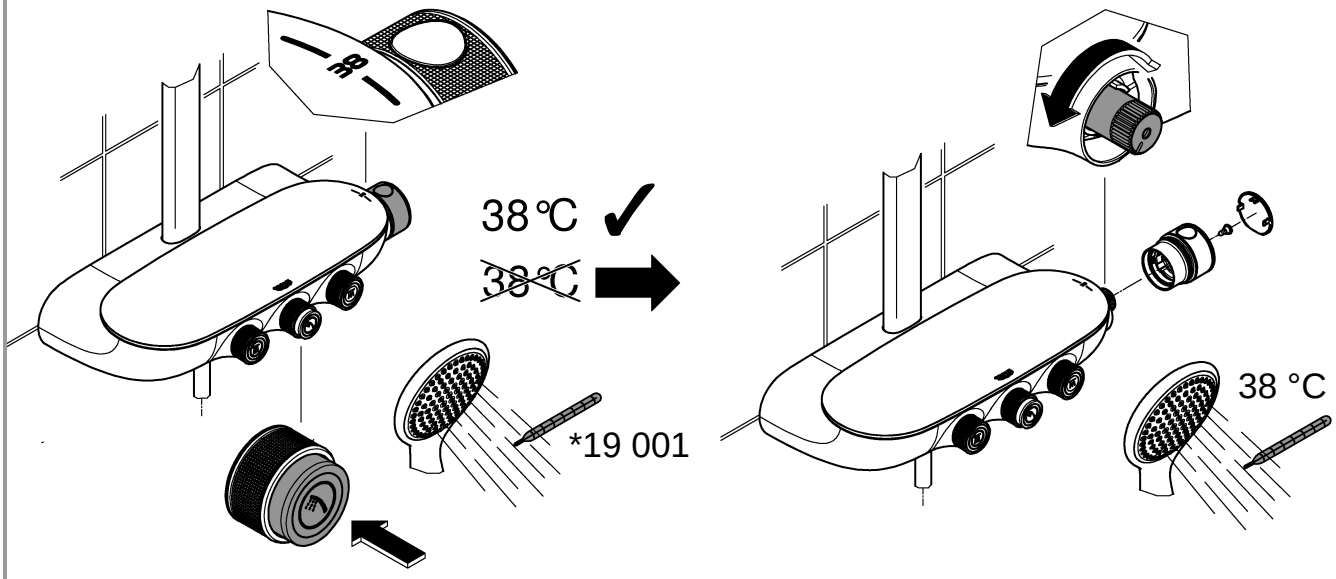
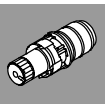
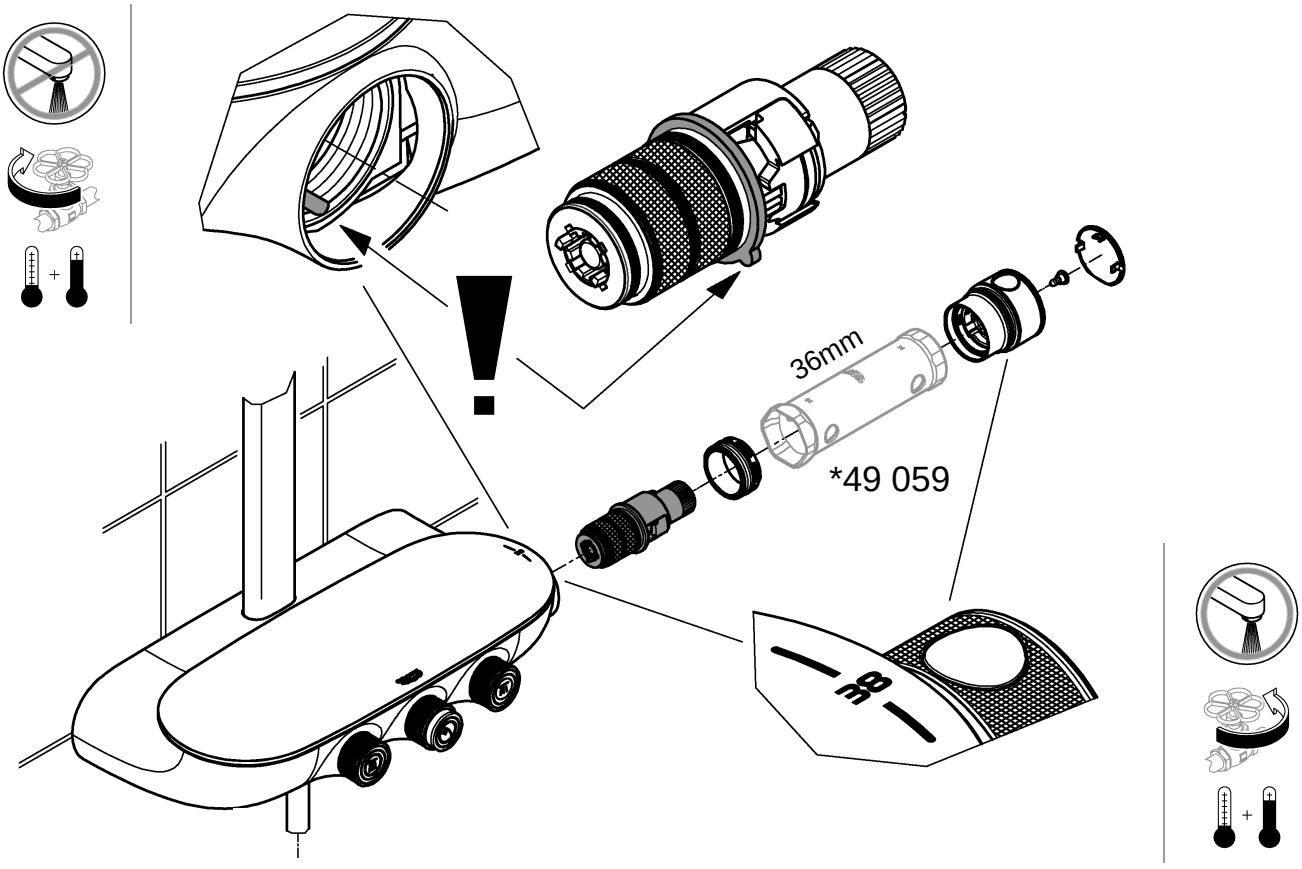


MAINTENANCE





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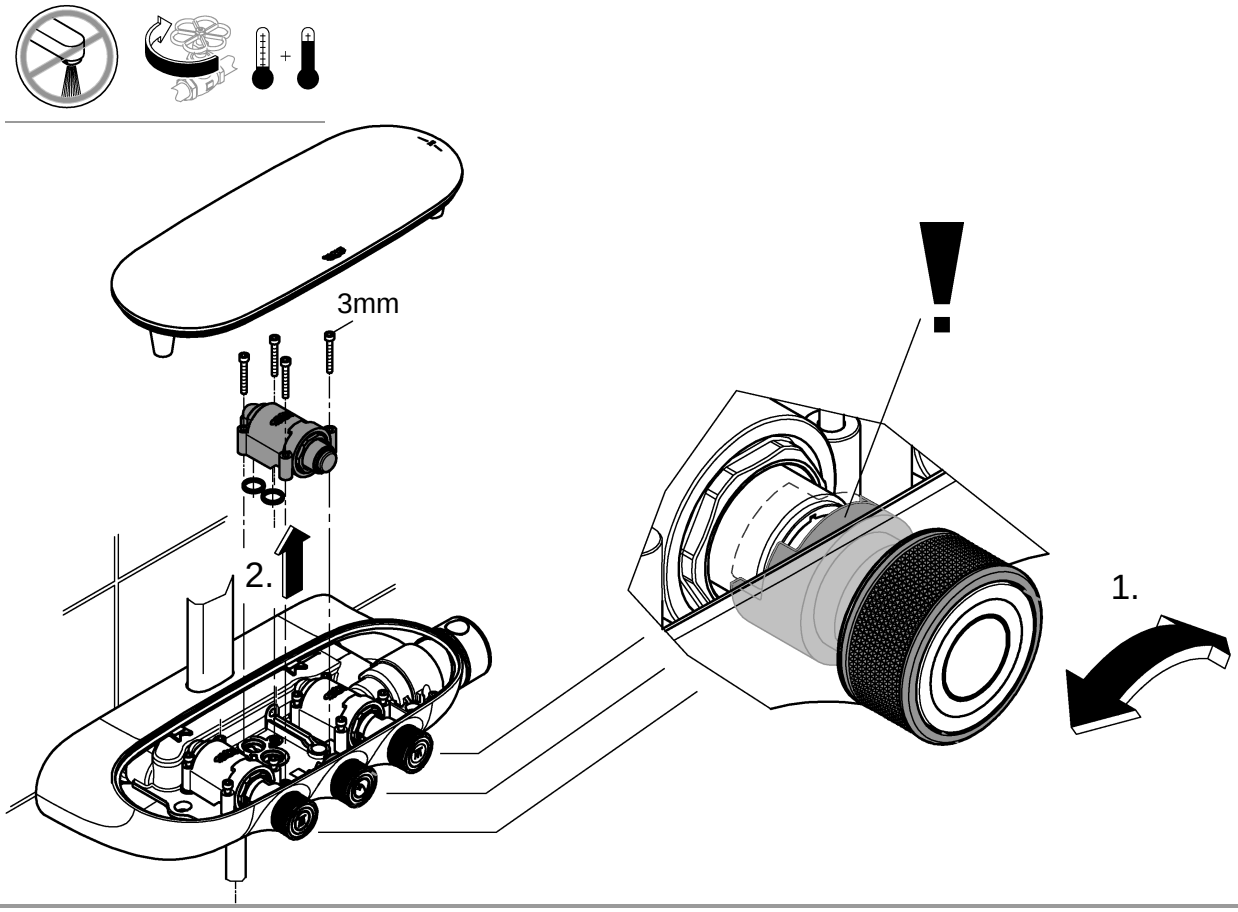

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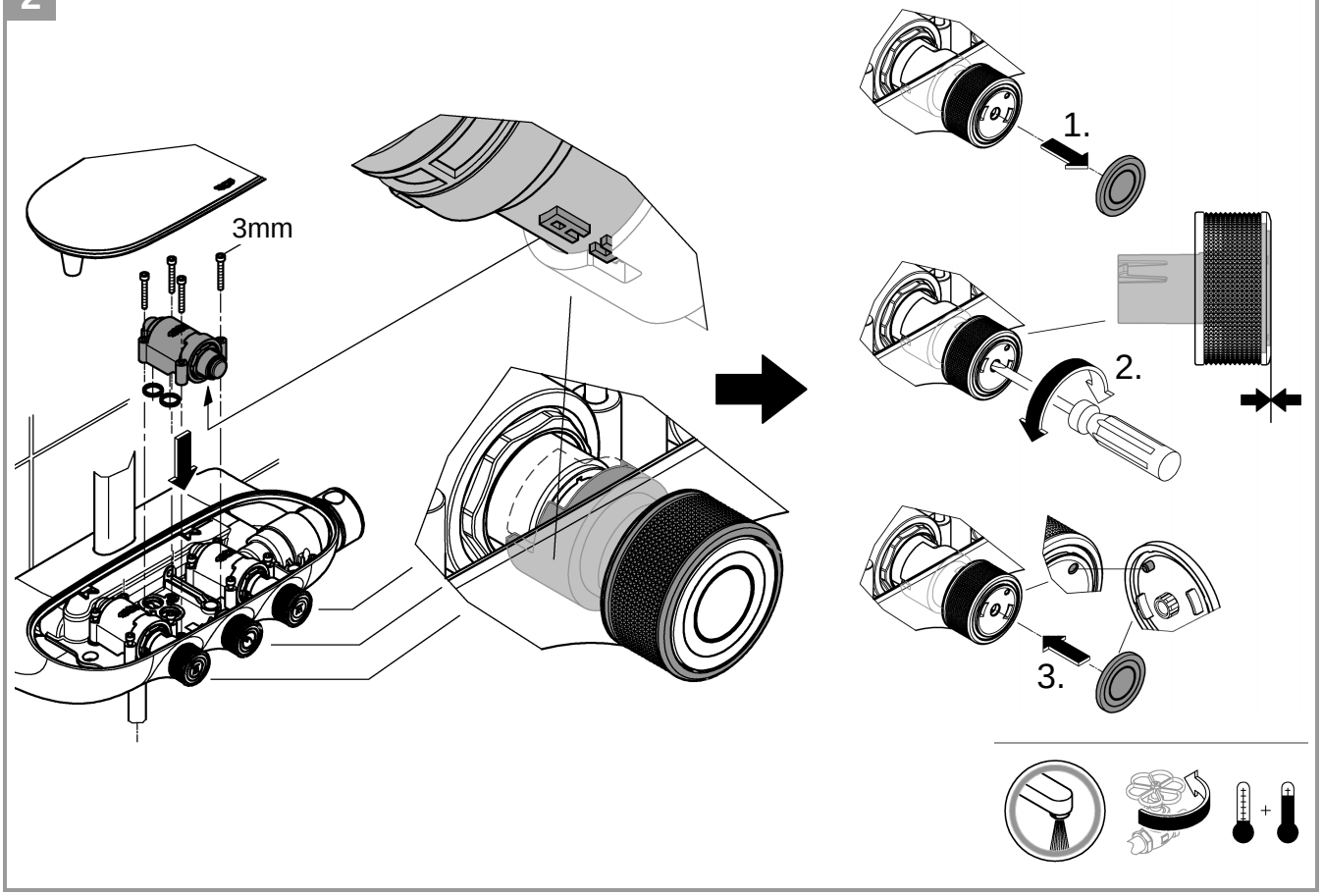

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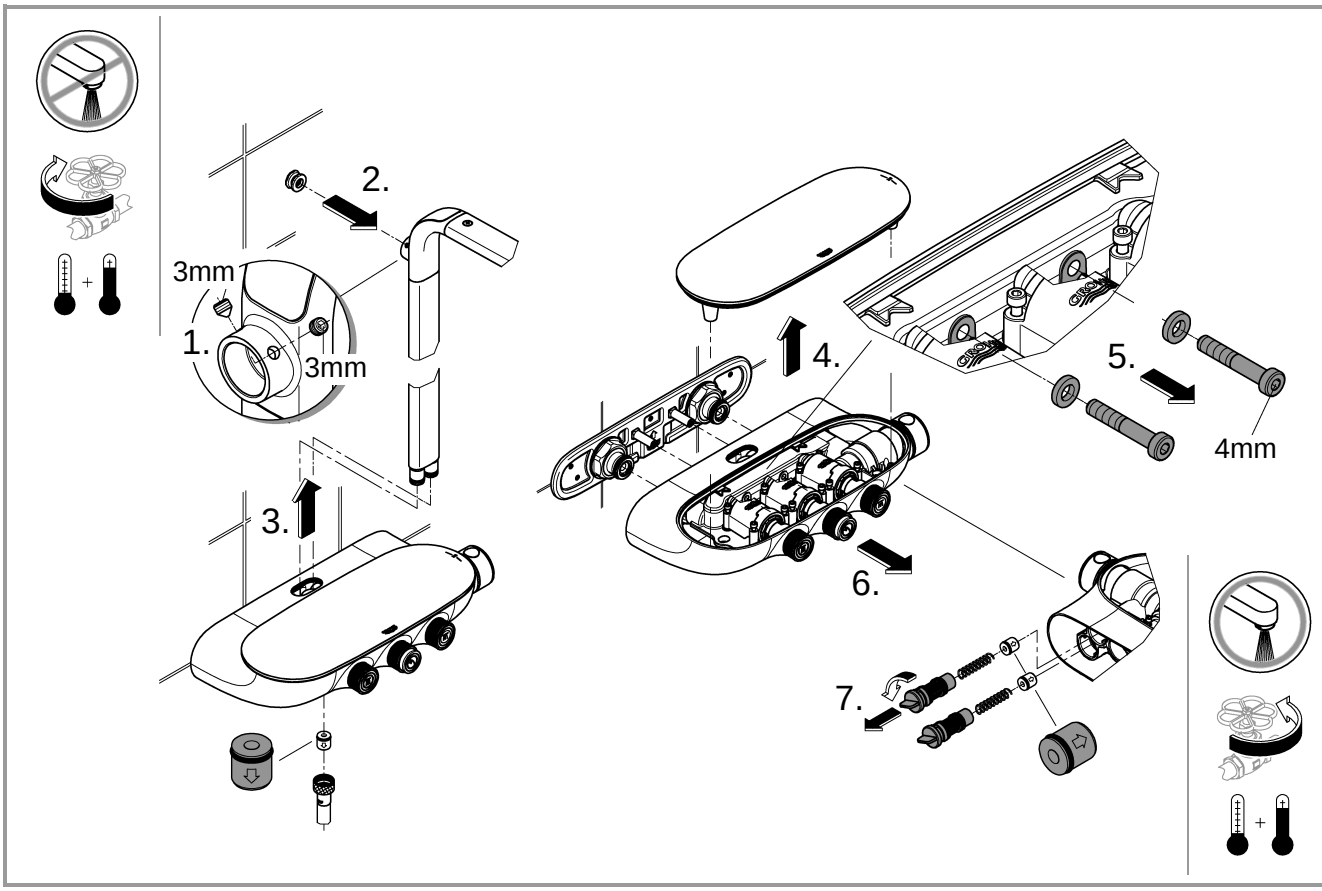

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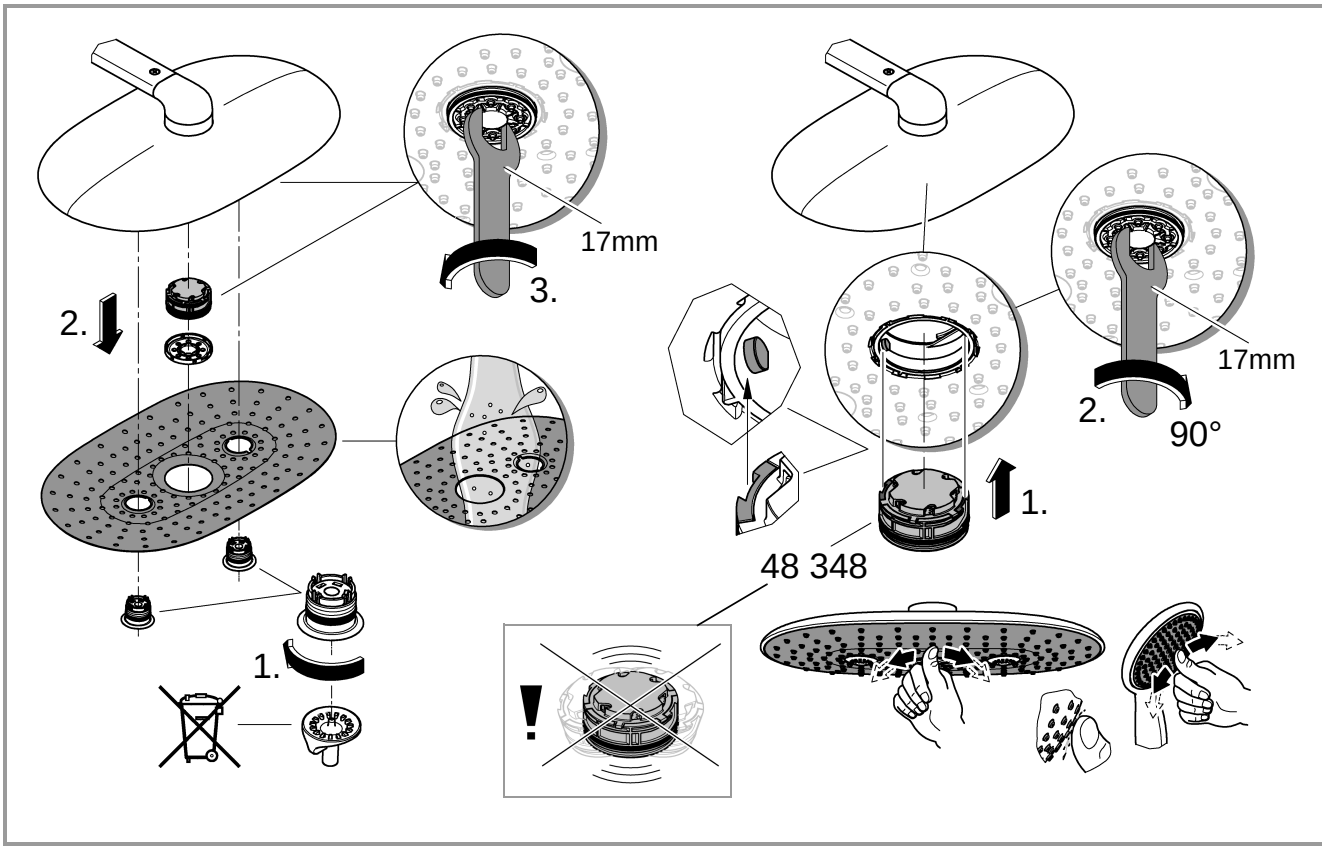


Safety notes

Protection against scalding
It is recommended that near points of discharge with particular sensitivity to the outlet temperature (hospitals, schools, nursing and retirement homes) thermostatic devices should be installed which can limit the water temperature to 43 °C. This product is limited at 43 °C. It is generally recommended that the temperature of shower-systems should not exceed 38 °C in nurseries and specific areas of care centres. Use Grohtherm Special thermostats with special handle to facilitate thermal disinfection and appropriate safety end stop. Applicable standards (e. g. EN 806-2) and technical regulations for drinking water must be observed.

Application

Thermostat mixers are designed for hot water supply via pressurised storage heaters and, utilised in this way, provide the best temperature accuracy. With sufficient power output (from 18 kW or 250 kcal/min), electric or gas instantaneous heaters are also suitable.
Thermostats **cannot** be used in conjunction with non-pressurised storage heaters (displacement water heaters). All thermostats are adjusted in the factory at a flow pressure of 300 kPa on both sides.
Should temperature deviations occur on account of special installation conditions, the thermostat must be adapted to local conditions (see Adjusting).

Specifications

- Flow pressure min. 50 kPa - recommended 100 - 500 kPa
- Operating pressure max. 1000 kPa
- Test pressure 1600 kPa

If static pressure is greater than 500 kPa, fit pressure reducer. Avoid major pressure differences between hot and cold water supply.

- Flow rate at 300 kPa flow pressure (cold water):
  head shower approx. 11 L/min
  hand shower approx. 8,5 L/min
- Flow rate at 300 kPa flow pressure (mixed water):
  head shower approx. 14 L/min
  hand shower approx. 9 L/min

This product is has been tested and certified in accordance AS 4032.4 Thermostatic Mixing Valve Standard, and the AS/NZS 3662 standard for shower products.

Note:
Due to different pressure and flow capabilities at some properties, the flow rate of this product may fluctuate between the hot and cold positions.
The maximum dynamic hot and cold flow ratio of this product is 1:5.
E.g. If the cold water pressure is 500 kPa, the hot water pressure must be no less than 100 kPa.

Temperature:
Hot water inlet (maximum) 70 °C
Recommended (energy saving) 60 °C
Thermal disinfection possible
Safety stop 38 °C
Hot water temperature at supply connection min. 2 °C higher than mixed water temperature
Minimum flow rate = 5 L/min

Installation

Flush piping system prior and after installation of fitting thoroughly (Consider EN 806)!

This product must be installed in conformance with local codes e.g. AS/NZS 3500 series of standard!

Installation of the shower rail
When installing e.g. on plasterboard walls (not solid walls) it must be assured that an appropriate reinforcement is in place to ensure sufficient strength.

Reversed connection (hot on right - cold on left).
Replace thermostatic compact cartridge, see Replacement parts, Prod. no.: 47 175 (1/2”).

Operation

The safety stop limits the temperature range to 38 °C. The 38 °C limit can be overridden by pressing the button, see Fig. [1].

Shut-off valves, see Fig. [2].

Adjusting

Temperature adjustment

Prevention of frost damage
When the domestic water system is drained, thermostat mixers must be drained separately, since non-return valves are installed in the hot and cold water connections. For this purpose, the mixer must be removed from the wall.

Maintenance

Inspect and clean all parts, replace if necessary and lubricate with special valve grease.

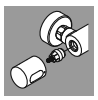
Shut off the hot and cold water supply.

Thermostatic compact cartridge
Readjustment is necessary after every maintenance operation on the thermostatic compact cartridge (see Adjusting).

Shut-off valves
Readjustment is necessary after every maintenance operation on the shut-off valves, see Fig. [2].

Showers
The function of the SpeedClean nozzles is guaranteed for a period of five years.

Thanks to the SpeedClean nozzles, which must be regularly cleaned, limescale deposits on the rose can be removed by simply rubbing with the fingers.



Replacement parts

(* = special accessories).

Care

For directions on care, refer to the accompanying Care Instructions.

AUS

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