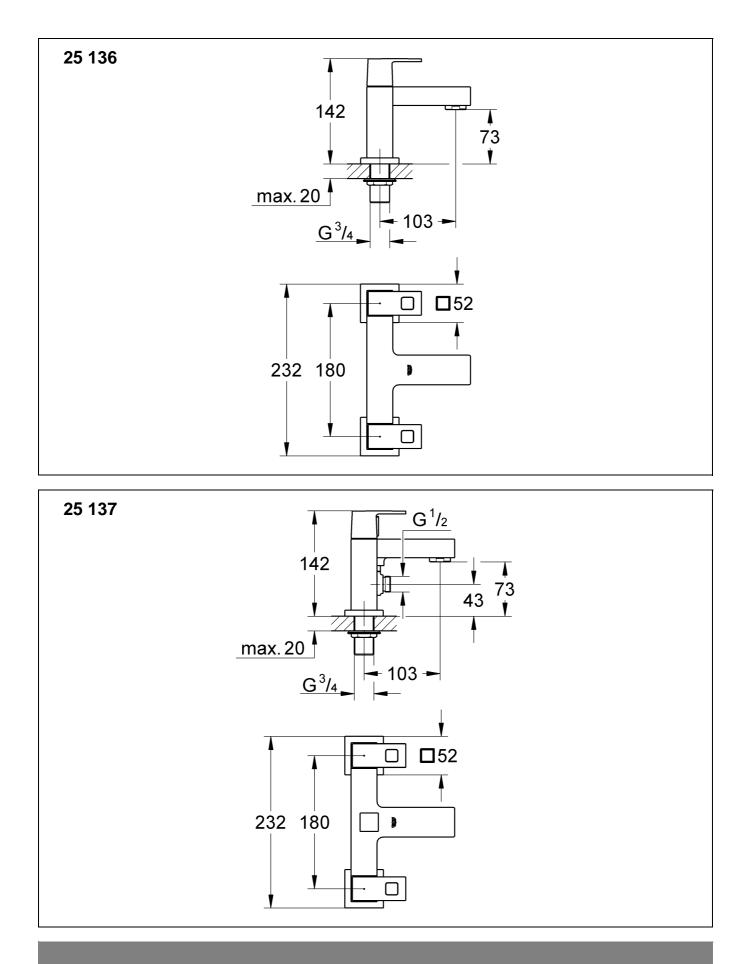
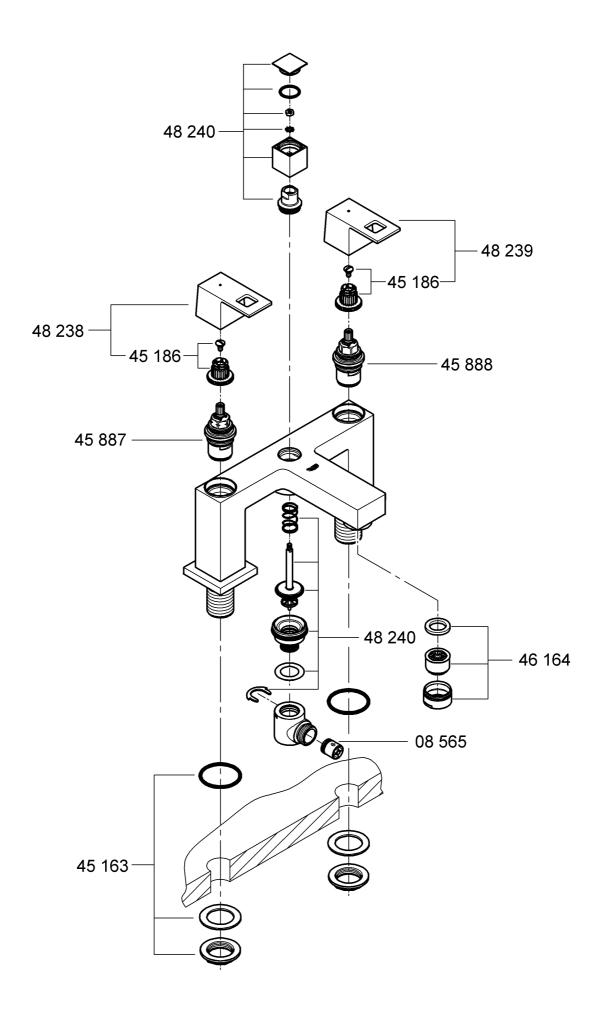


Design & Quality Engineering GROHE Germany

99.0182.031/ÄM 229335/10.13



Please pass these instructions on to the end user of the fitting!





Application

Can be used in conjunction with: Pressurised storage heaters, thermally and hydraulically controlled instantaneous heaters. Operation with low-pressure displacement water heaters is **not** possible.

Specifications

- Minimum flow pressure
- Maximum operating pressure
 10 b
- Test pressure

If static pressure is greater than 5 bar, fit pressure reducer. Avoid major pressure differences between cold and hot water supply.

Flow rate at 0.1 bar flow pressure with flow straightener:
 approx 15 l/min

Temperature	
- Hot water inlet (maximum):	80 °C
 Recommended (energy saving): 	60 °C
Water connection	cold - right
	hot - left

New Water Regulations

This GROHE fitting with shower is equipped with single nonreturn valve. Please ensure installation complies with New Water Regulations covering backflow protection. It must also be installed in accordance with local bye-law requirements.

Installation

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

Bathtub rim mounting

Use mounting set to install the fitting, see fold-out page III, Fig. [1].

Refer to the dimensional drawings on fold-out page I.

The cold water supply must be connected on the right and the hot water supply on the left.

Open cold- and hot water supply and check connections for watertightness!

Check fitting for correct function, see Fig. [2].

Function of automatic diverter (A), see Fig. [3].

Turning the handle will release water delivery.

Water will emerge from the bath outlet first.

Pull diverter knob = to divert flow from bath outlet to shower outlet

Flow is diverted automatically from shower outlet to bath outlet when the fitting is closed.

Maintenance

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

Shut off cold and hot water supply!

I.Ceramic catridge, see fold-out page III, Fig. [4].

- 1. Pull off handle (B).
- 2. Unscrew screw (C) and pull off snap insert (D).
- 3. Unscrew ceramic catridge (E) using a 17mm socket wrench.4. Change complete ceramic catridge (E).
- 0.1 bar Observe the different replacement part numbers of the 10 bar ceramic catridges.

Assemble in reverse order.

II. Diverter assembly, see fold-out page III, Fig. [5].

1. Lever out cap (F).

16 bar

- 2. With 7mm socket spanner, unscrew and remove nut (G).
- 3. Pull off diverter knob (H) and unscrew cap (J).
- 4. Remove circlip (K) and pull off connection nipple (L) with seal (M).
- 5. With 10mm Allen key, remove outlet nipple (N).
- 6. Remove spindle (O) with spring (P).

Assemble in reverse order.

III. Non-return valve, see fold-out page III, Fig. [5]. Pull out non-return valve (R).

Assemble in reverse order.

IV. Flow straightener, see fold-out page II. Unscrew and clean flow straightener (46 164).

Assemble in reverse order.

Replacement parts, see fold-out page II (* = special accessories).

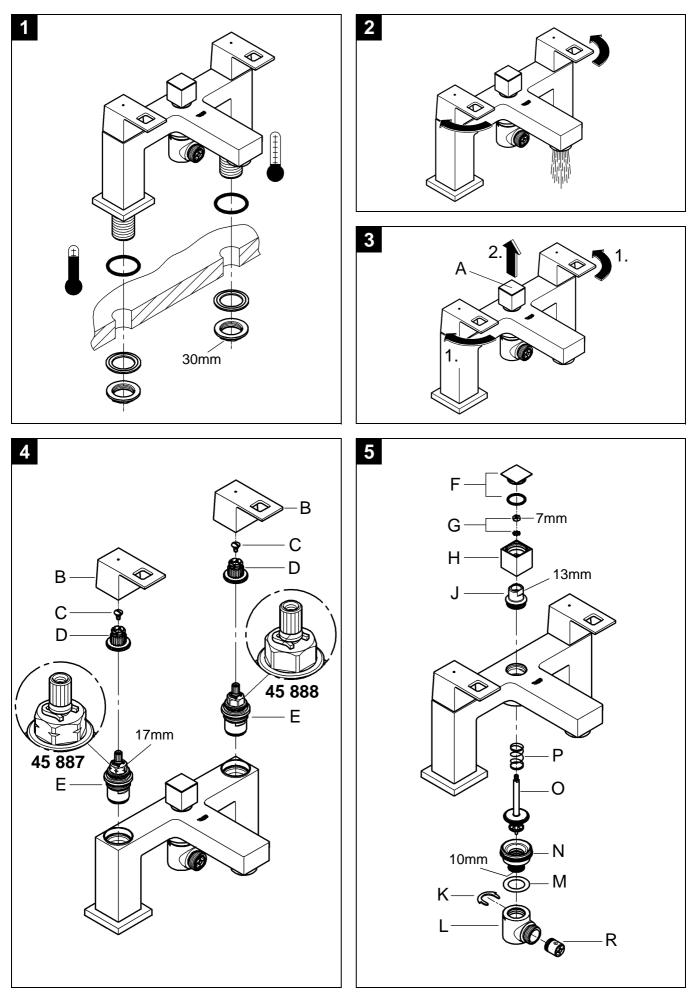
Care

Dear Customer,

We want to ensure that you get long-lasting satisfaction and pleasure from your GROHE fitting. Therefore, please read the following care instructions because damage to the surface and underlying material resulting from improper treatment is not covered by warranty.

Do not use any abrasive sponges or scouring agents for cleaning. We also advise you not to use cleaning agents containing solvent or acid, limescale removers, household vinegar and cleaning agents with acetic acid in them. They are aggressive to the surface - and will leave your fitting dull and scratched. As the formulations of commercially available cleaning agents frequently change, we cannot guarantee they will provide the gentle care our fitting deserves.

Clean the fitting with a little soap and a moist cloth only, then simply rinse off and wipe dry. You can avoid lime spots by drying the fitting each time it is used. If lime deposits do occur, remove them with **GrohClean**, our environment-friendly cleaning liquid. **GrohClean** is specially formulated to clean the surface of our fittings gently. **GrohClean** is available from your supplier.



D (**?**) +49 571 3989 333 impressum@grohe.de

 (\mathbf{A}) **(**) +43 1 68060 info-at@grohe.com

(AUS)

Argent Sydney (c) +(02) 8394 5800 **Argent Melbourne** 1231 (1) (03) 9682 1231

B (1) +32 16 230660 info.be@grohe.com

(BG) (**(**) +359 2 9719959 grohe-bulgaria@grohe.com

(CAU) (1) +99 412 497 09 74 info-az@grohe.com

(CDN) (2) +1 888 6447643 info@grohe.ca

(CH)(**1**) +41 448777300 info@grohe.ch

(CN)1 +86 21 63758878

(CY)1357 22 465200 info@grome.com

(CZ) (**/**) +420 277 004 190 grohe-cz@grohe.com

(DK) (2) +45 44 656800 grohe@grohe.dk

Е (**1**) +34 93 3368850 grohe@grohe.es

(EST) (2) +372 6616354 grohe@grohe.ee

F (**1**) +33 1 49972900 marketing-fr@grohe.com

(FIN) (1) +358 10 8201100 teknocalor@teknocalor.fi

(GB) (**(**) +44 871 200 3414 info-uk@grohe.com

(GR) (**?**) +30 210 2712908 nsapountzis@ath.forthnet.gr

H **(**) +36 1 2388045 info-hu@grohe.com

(**HK**) 1 +852 2969 7067 info@grohe.hk

Т (**1**) +39 2 959401 info-it@grohe.com

(IND) (**/**) +91 124 4933000 customercare.in@grohe.com

IS) (**(**) +354 515 4000 jonst@byko.is

J (**/**) +81 3 32989730 info@grohe.co.jp

(**KZ**) (7) +7 727 311 07 39 info-cac@grohe.com

(LT) (2) +372 6616354 grohe@grohe.ee

(LV) (1) +372 6616354 grohe@grohe.ee

(MAL) (**(**) +1 800 80 6570 info-singapore@grohe.com

Ν (**(**) +47 22 072070 grohe@grohe.no

(NL)

(1) +31 79 3680133 vragen-nl@grohe.com

NZ) (1) +09/373 4324

P (**?**) +351 234 529620 commercial-pt@grohe.com

(PL)() +48 22 5432640 buiro@grohe.com.pl

(RI) (1) +62 21 2358 4751 info-singapore@grohe.com

(RO) (1) +40 21 2125050 info-ro@grohe.com

(ROK) (**(**) +82 2 559 0790 info-singapore@grohe.com

(RP) (**(**) +63 2 8041617

(RUS) 1 495 9819510 info@grohe.ru

S 🕼 +46 771 141314 grohe@grohe.se

(SGP) 1 +65 6 7385585 info-singapore@grohe.com

(SK) (2) +420 277 004 190 grohe-cz@grohe.com

Т (**/**) +66 2610 3685 info-singapore@grohe.com

 (\mathbf{TR}) (2) +90 216 441 23 70 GroheTurkey@grome.com

(UA) (**(**) +38 44 5375273 info-ua@grohe.com

(USA) (1) +1 800 4447643 us-customerservice@grohe.com

(VN)

(1) +84 8 5413 6840 info-singapore@grohe.com



Eastern Mediterranean, Middle East - Africa Area Sales Office: (**?**) +357 22 465200 info@grome.com



(i) +971 4 3318070 grohedubai@grome.com

Far East Area Sales Office:

() +65 6311 3600 info@grohe.com.sg

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