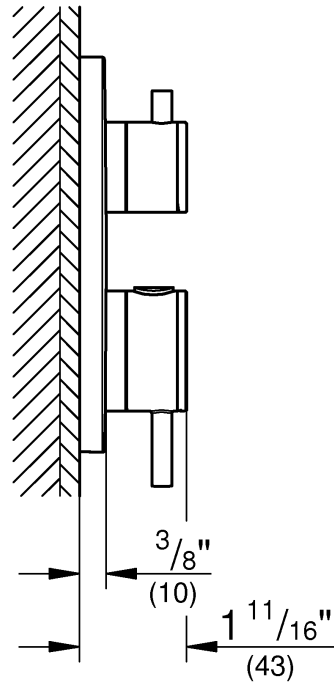
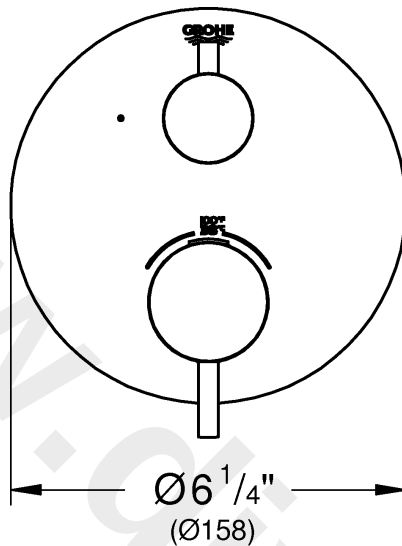
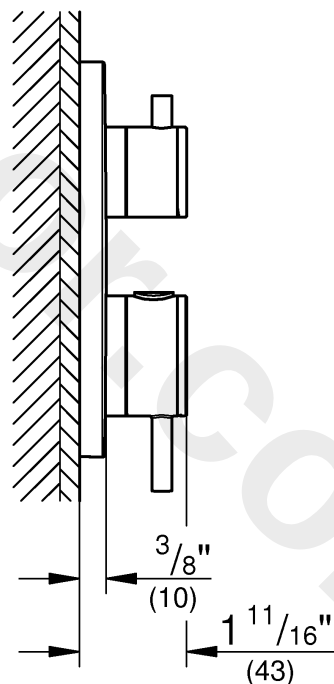
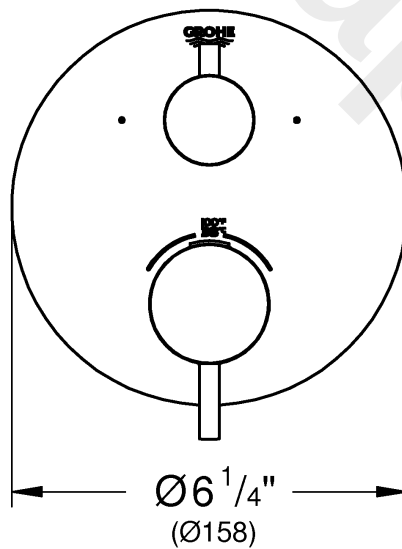


24 150



24 151



1



10 - 11

English
Français
Español

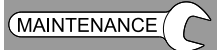
2 - 7



12

Low-Flow solution
Limiteur de débit
Limitador de caudal

8 - 9



12



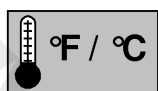
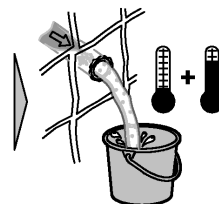


DIN
1053

DIN
18534

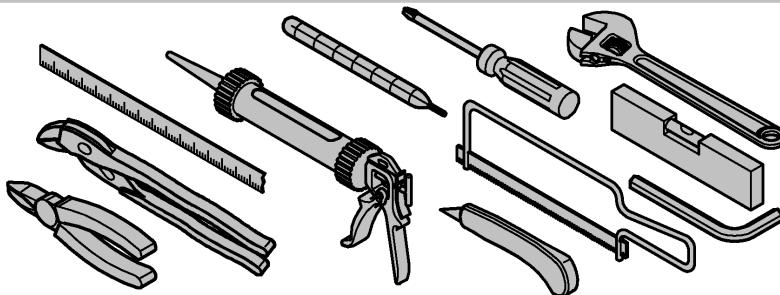
DIN
1988

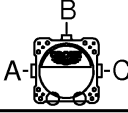
DIN EN
806

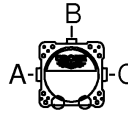


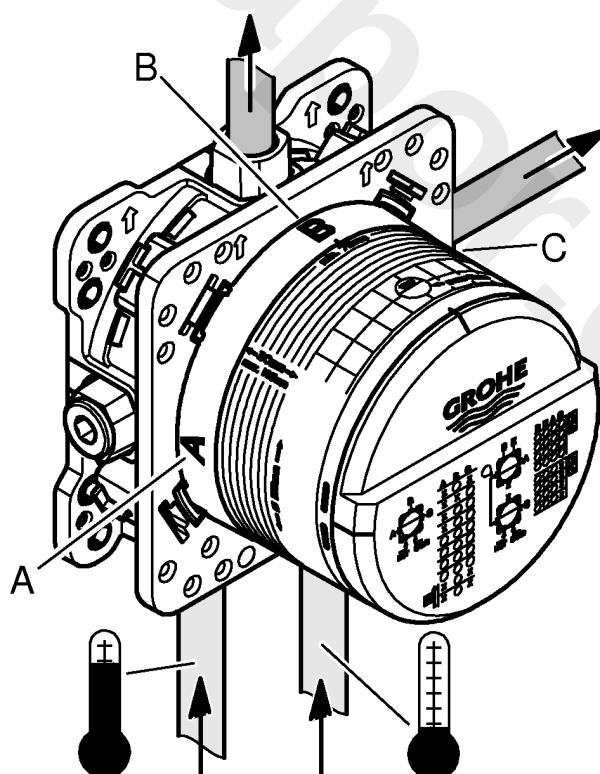
max.
158°F
70°C

140°F
60°C



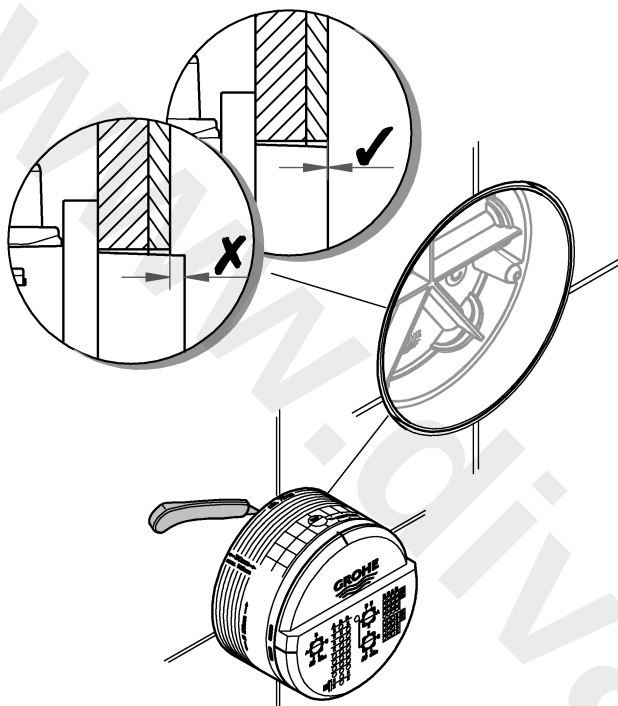
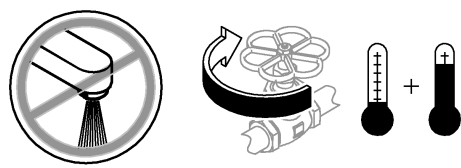
	psi						
	14.5	29	43.5	58	72.5	87	
B	4.1	5.8	7.1	8.2	9.1	10	gpm
C	4.5	6.5	7.9	9.1	10.2	11.1	

	bar						
	1	2	3	4	5	6	
B	15,5	22	27	31	34,5	38	l/min
C	17	24,5	30	34,5	38,5	42	

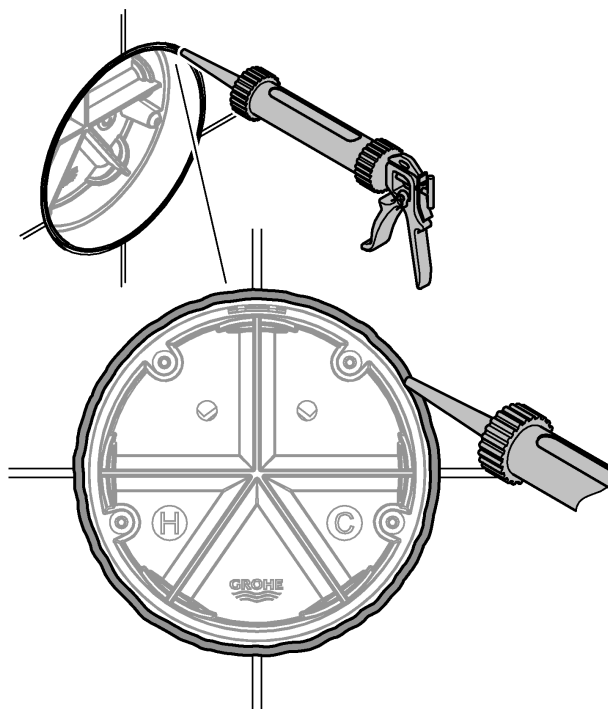




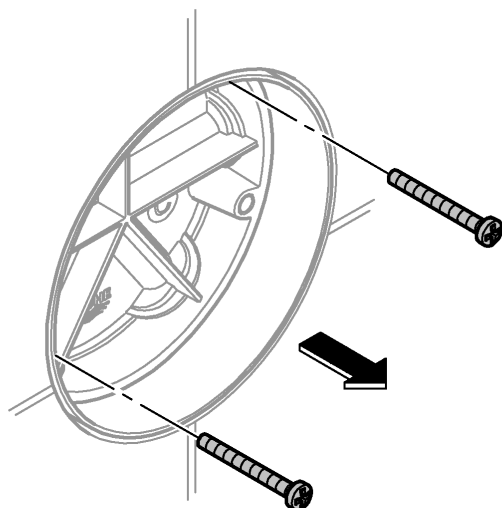
1



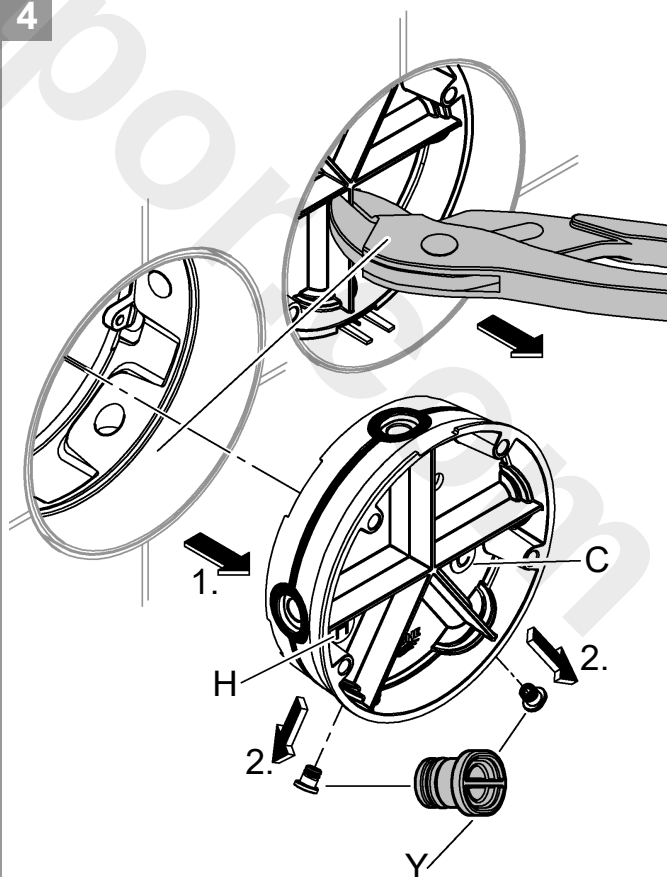
2



3

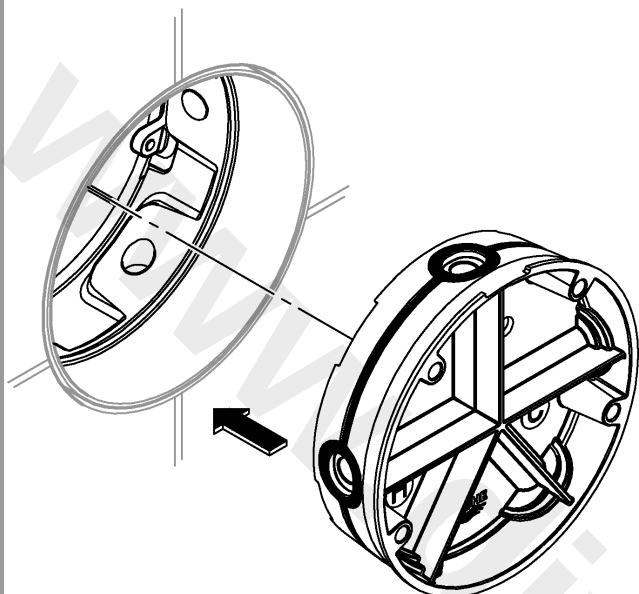


4

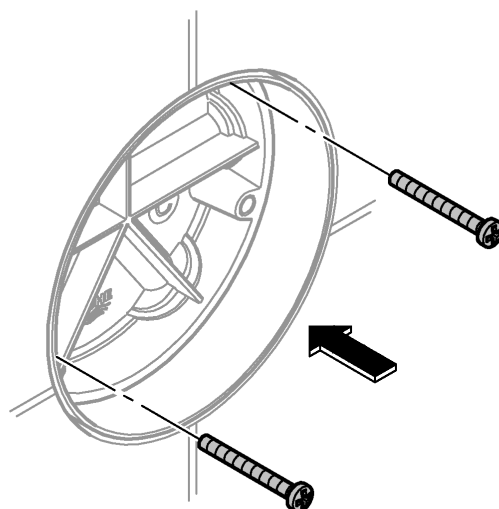




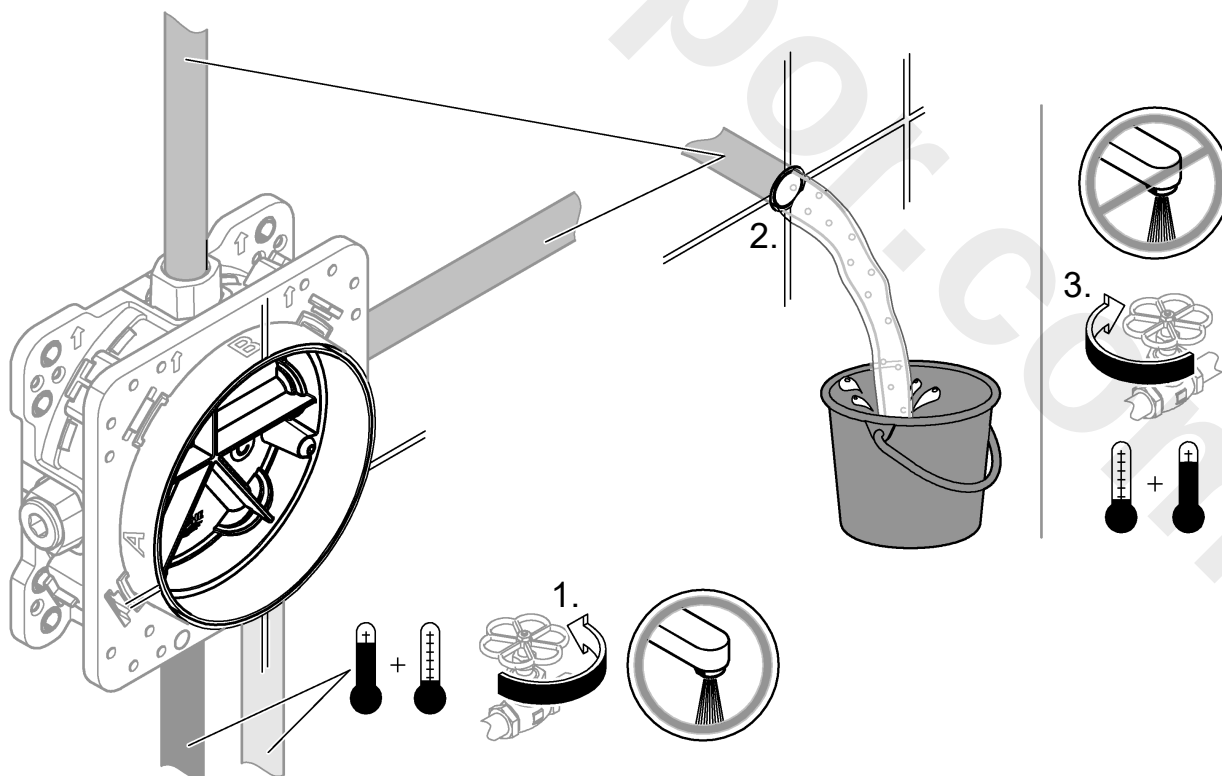
5



6

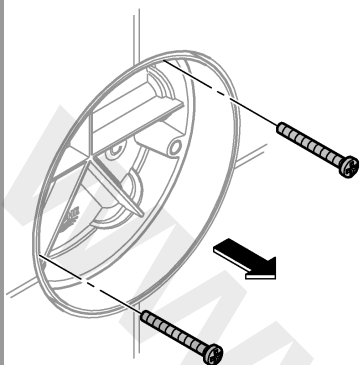


7

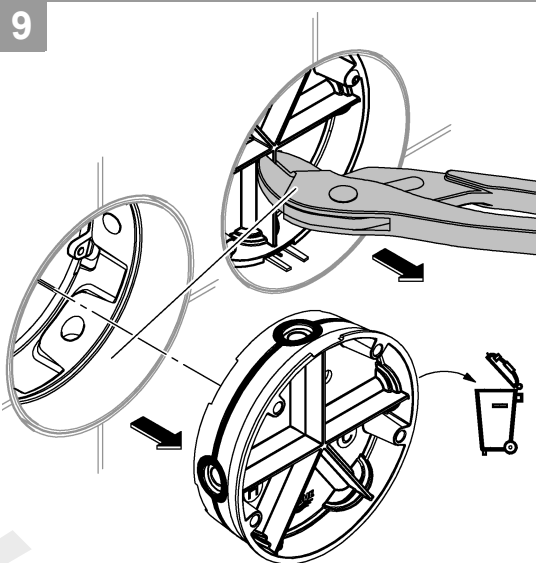




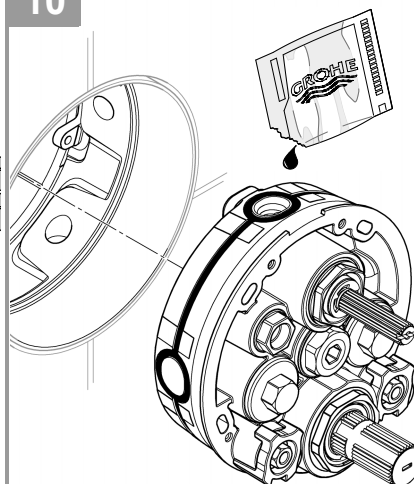
8



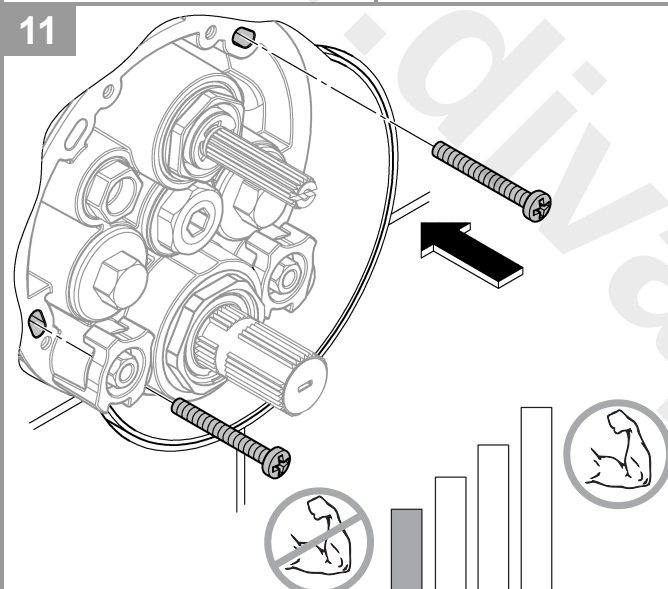
9



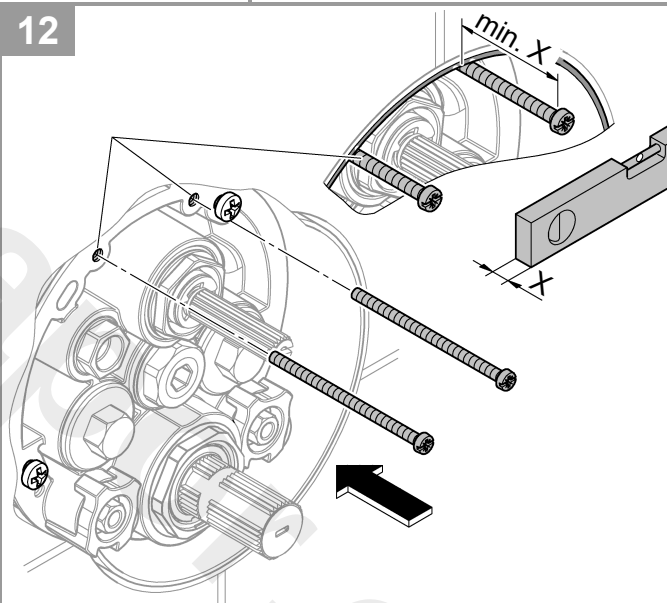
10



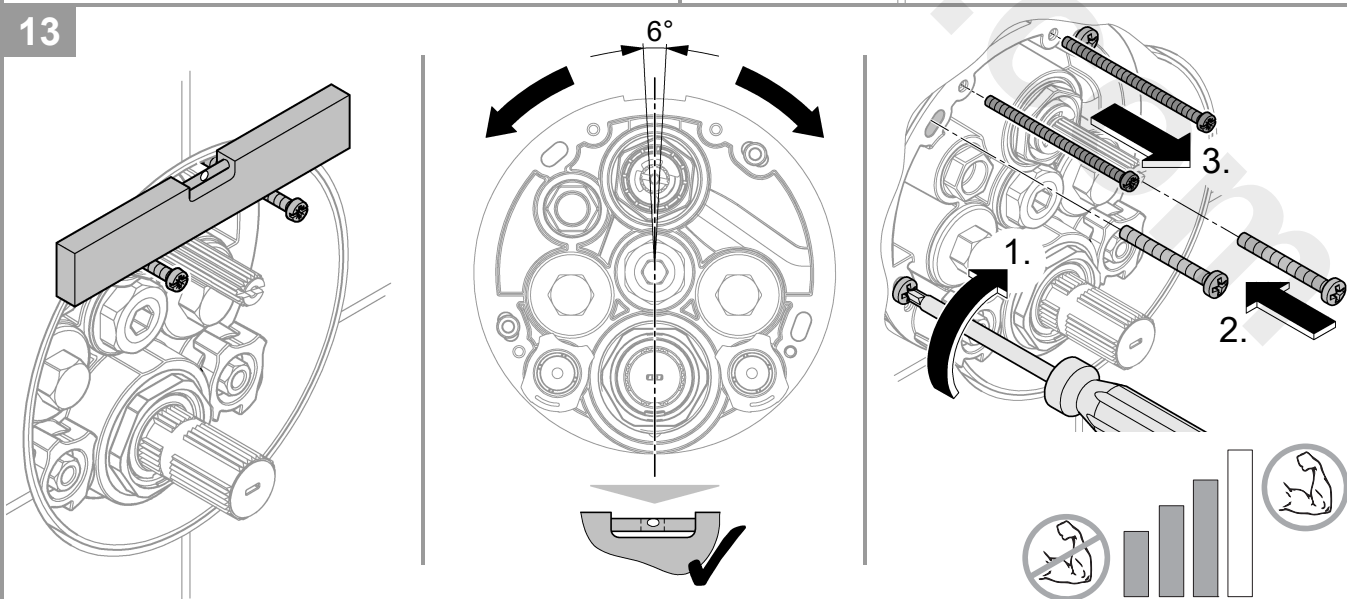
11



12

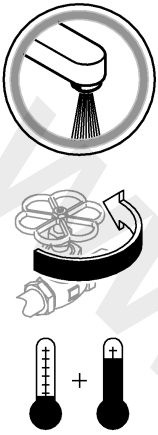


13

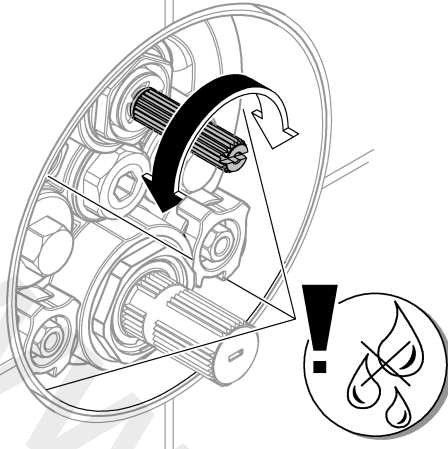




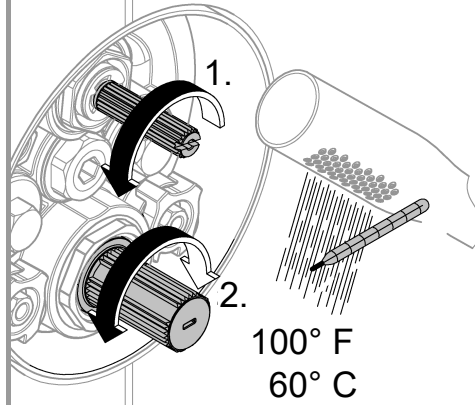
14



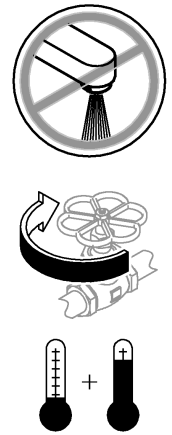
15



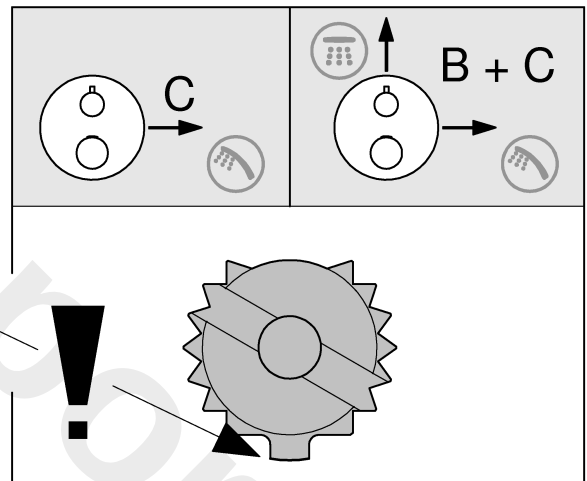
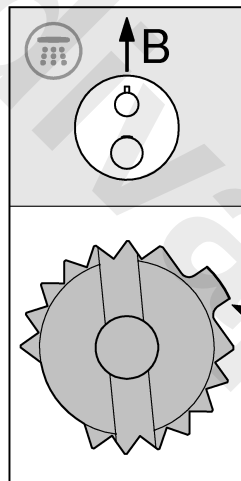
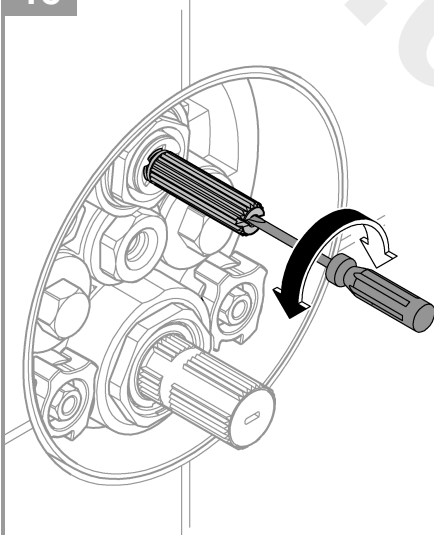
16



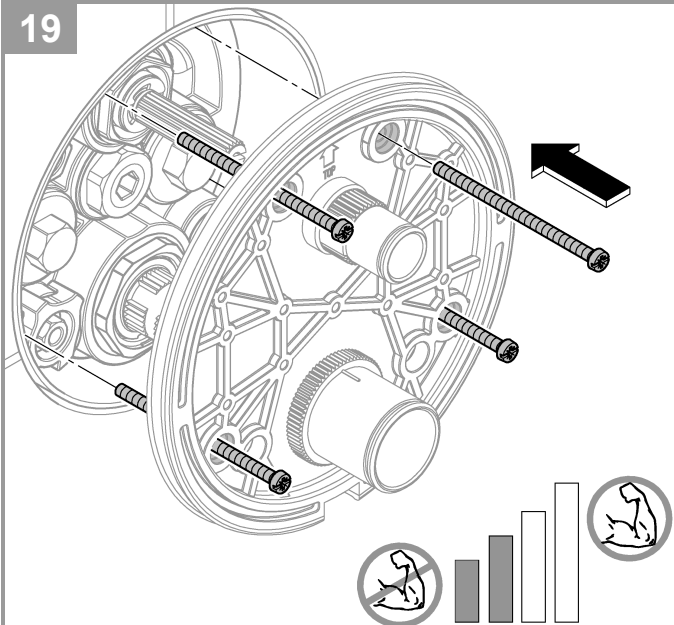
17



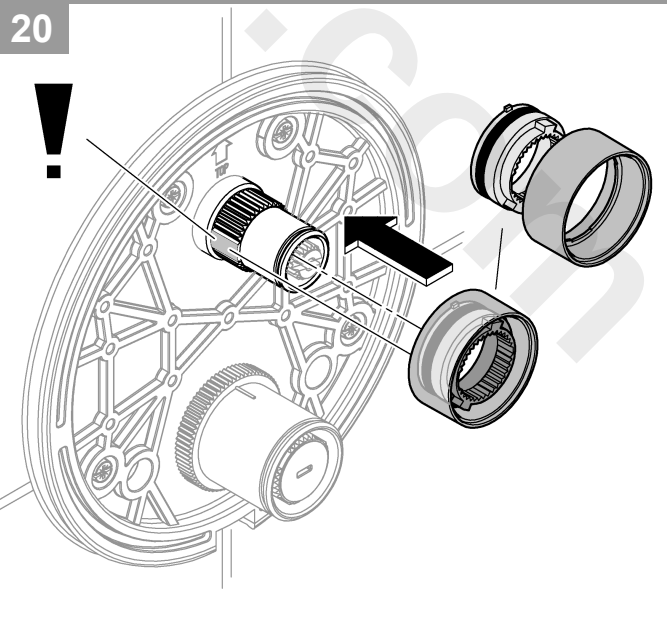
18



19

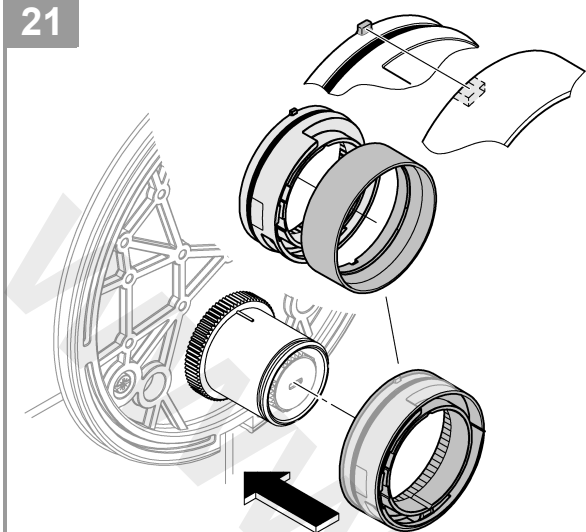


20

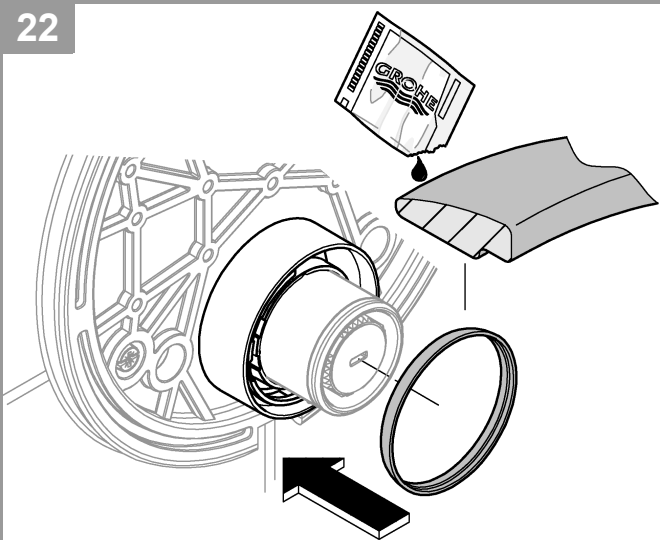




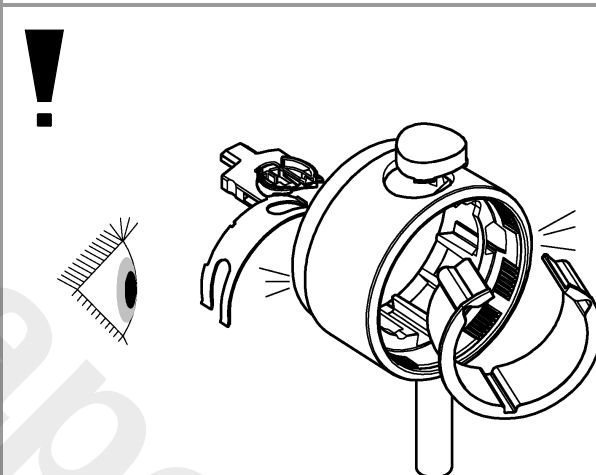
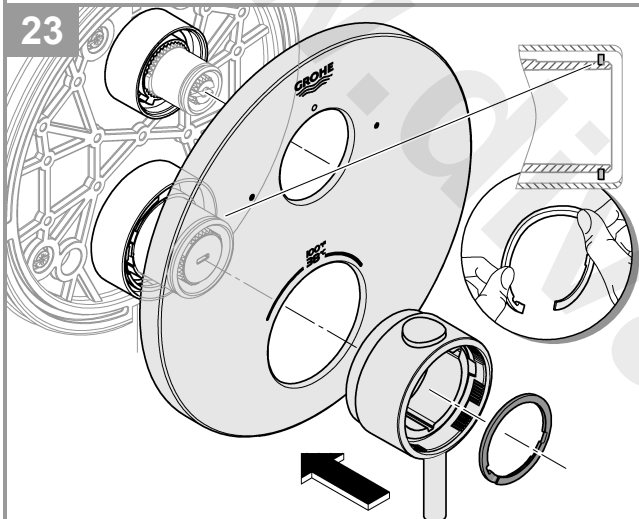
21



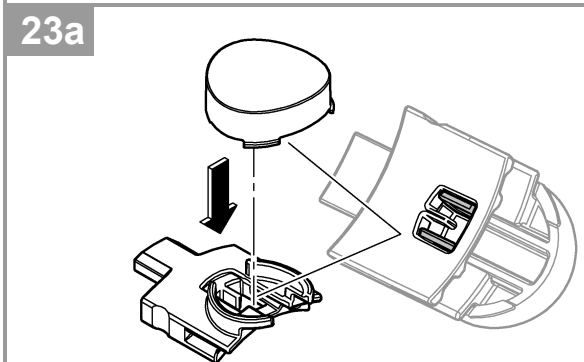
22



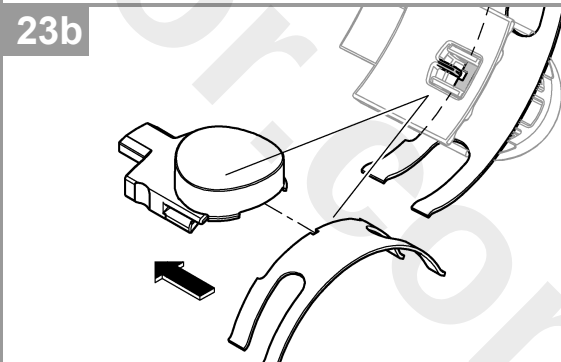
23



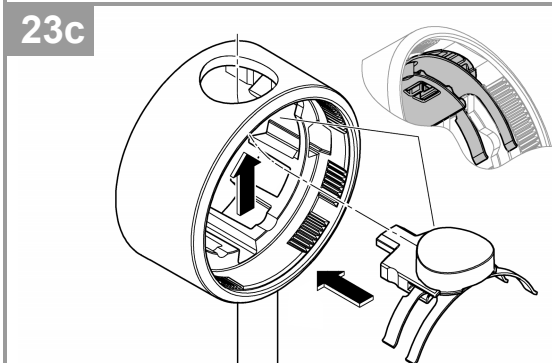
23a



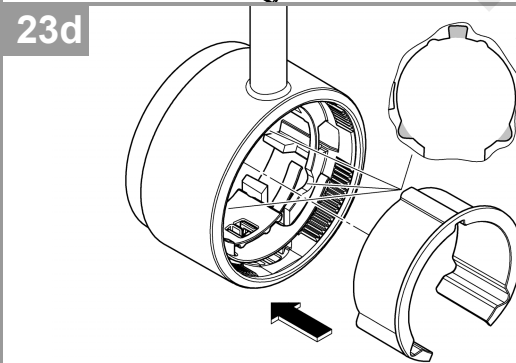
23b



23c

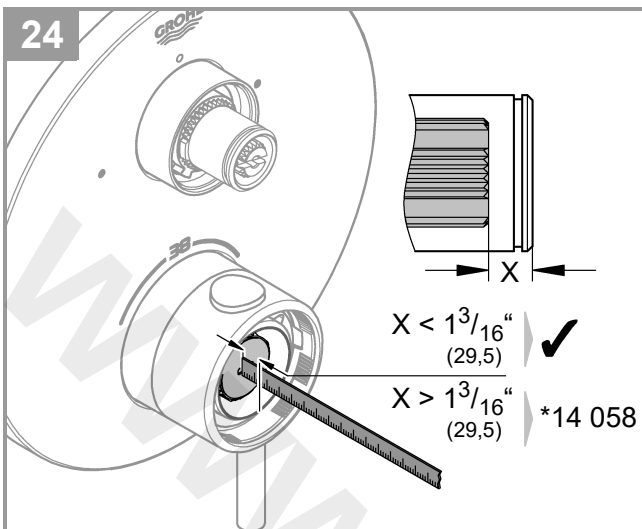


23d

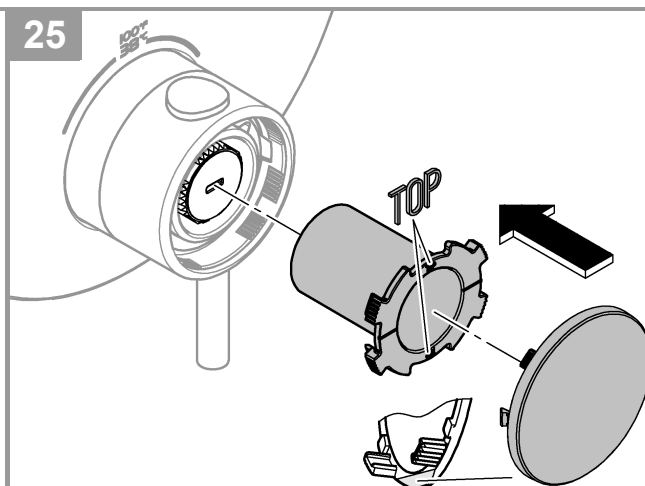




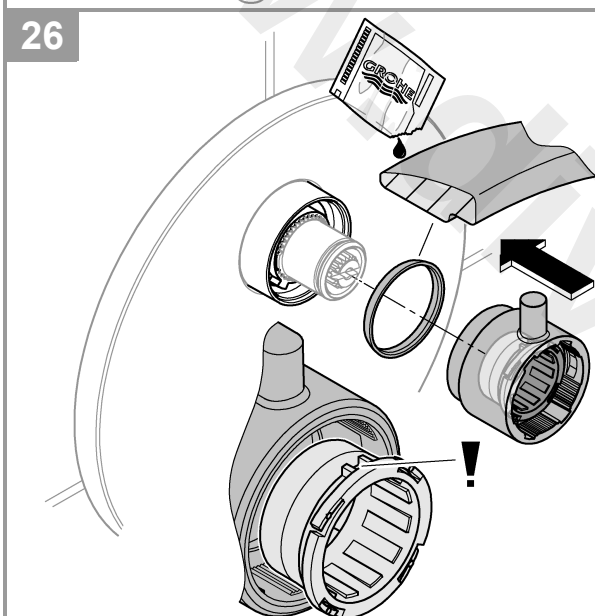
24



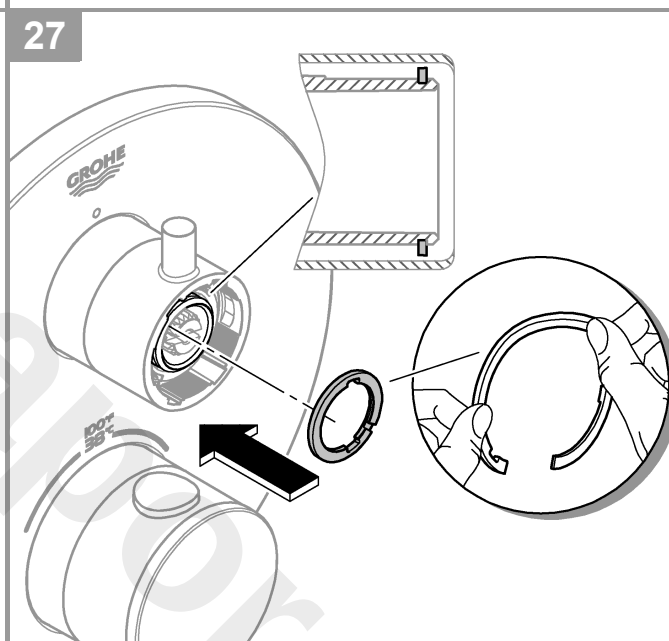
25



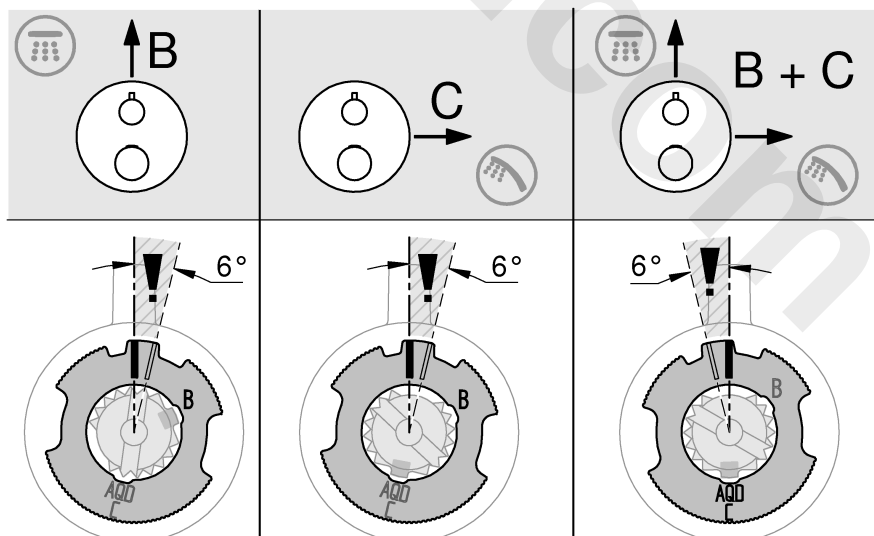
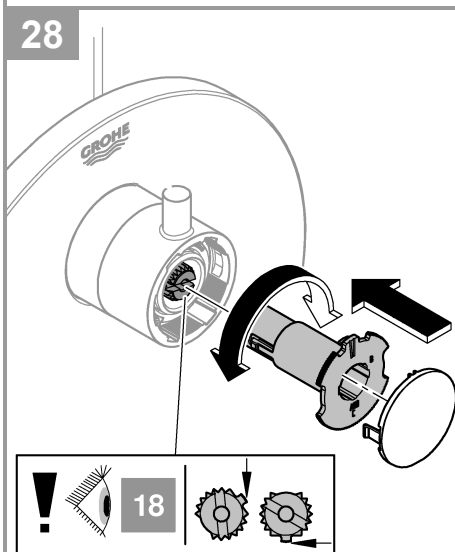
26

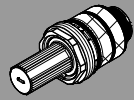


27

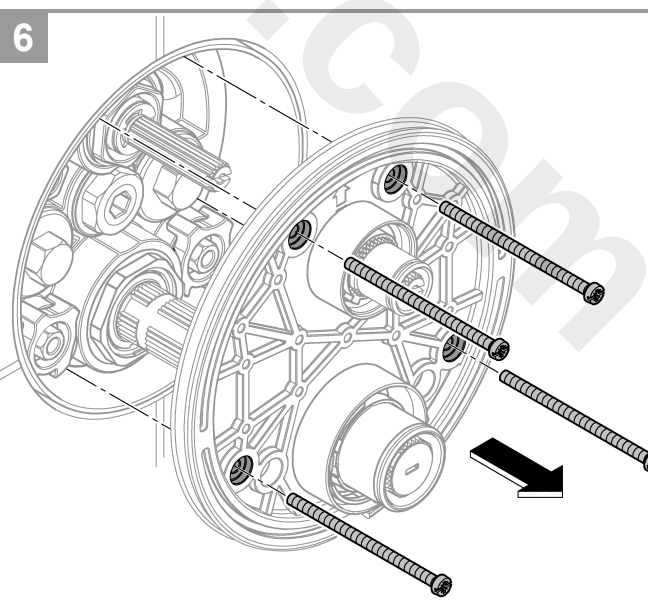
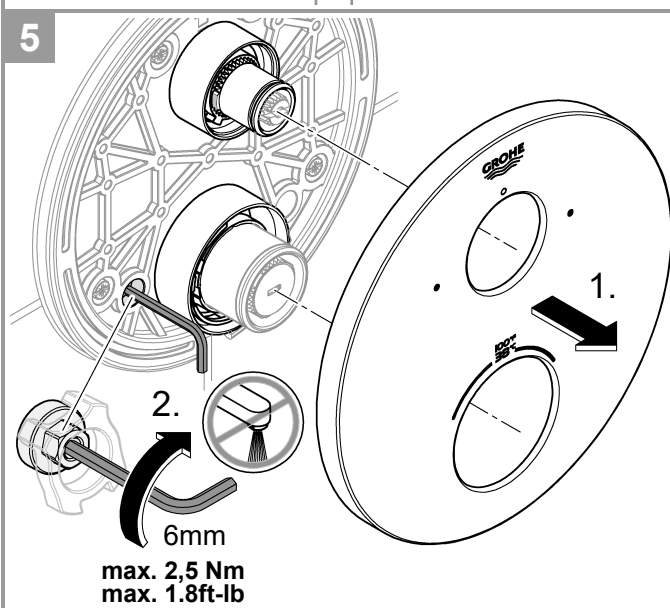
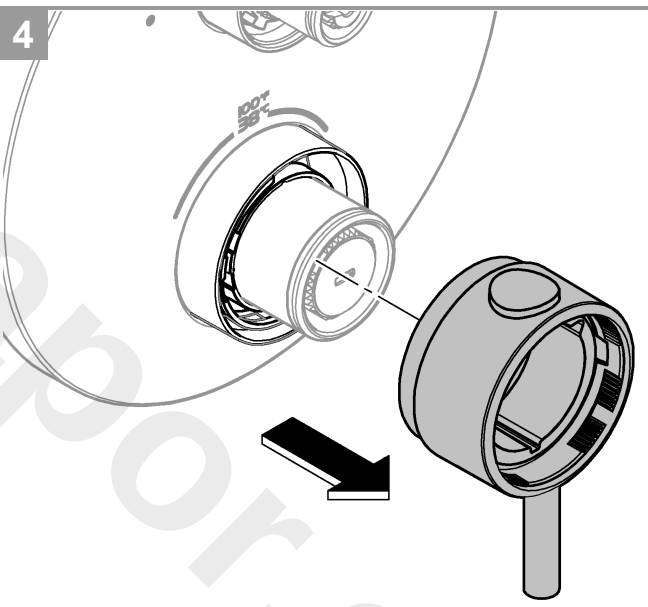
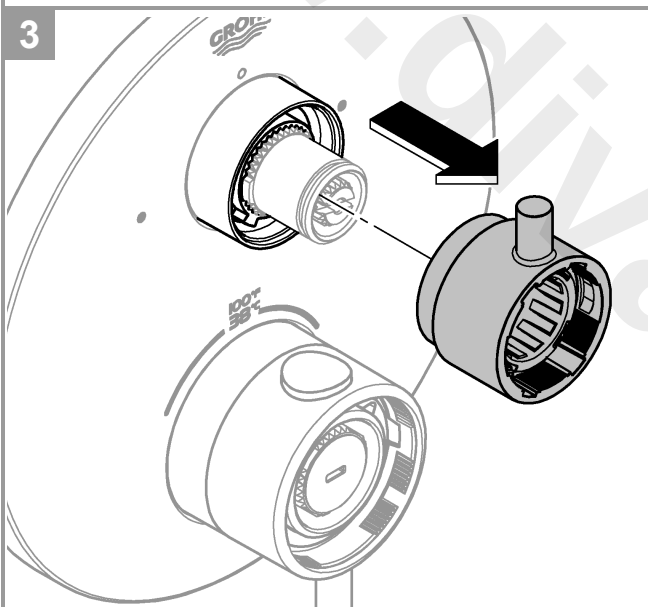
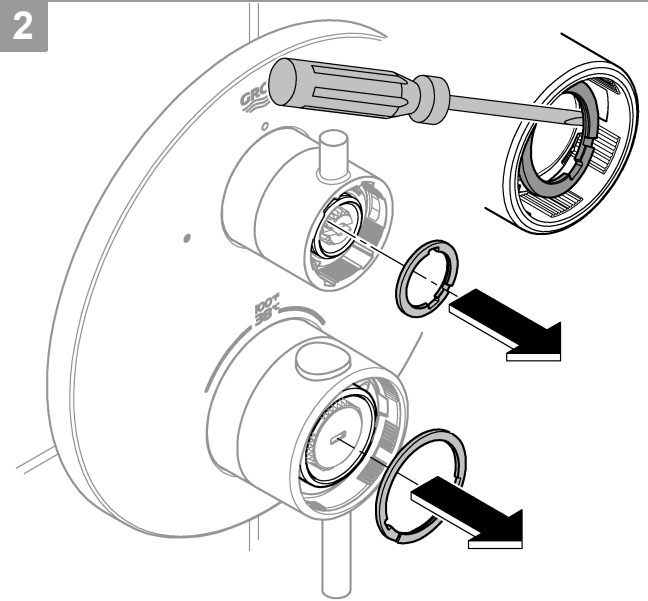
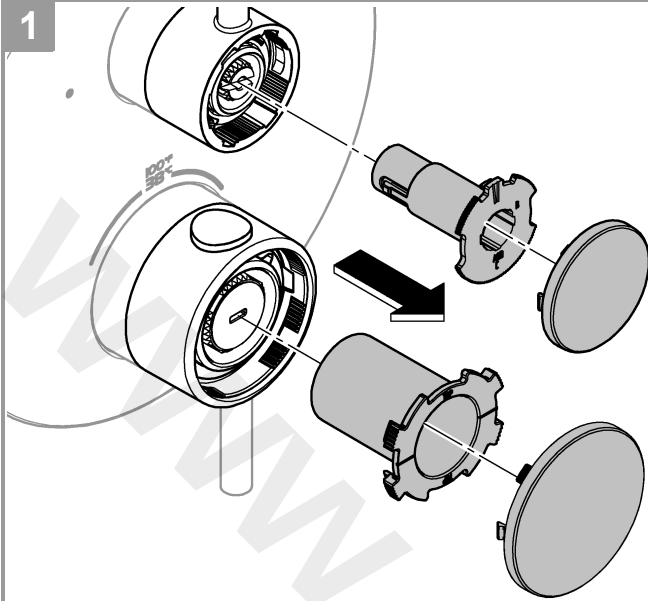


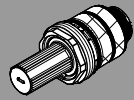
28





MAINTENANCE

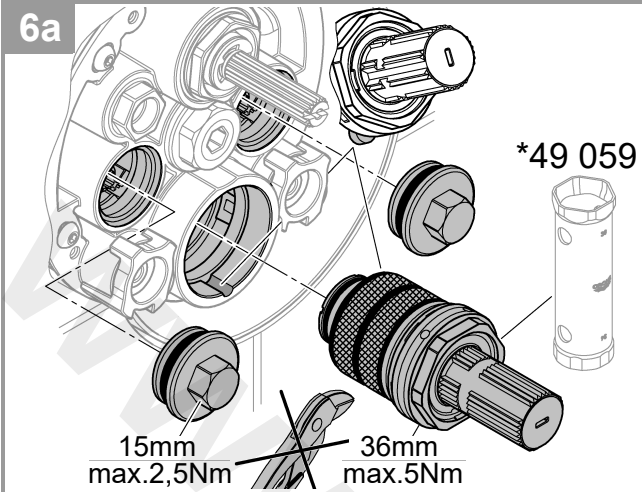




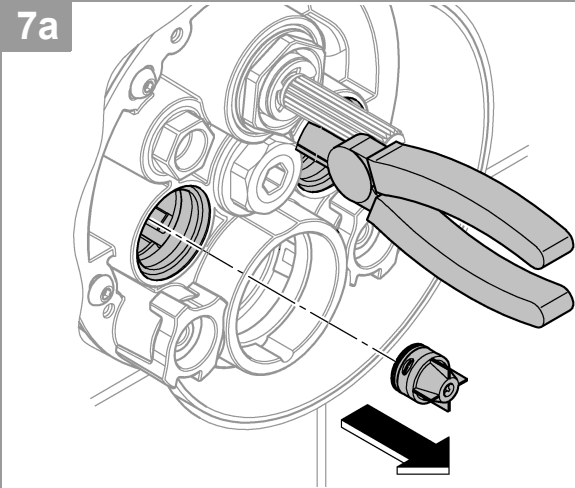
MAINTENANCE



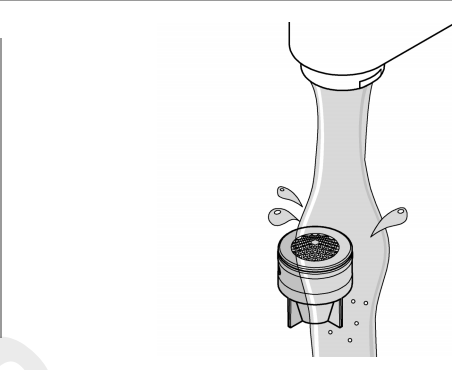
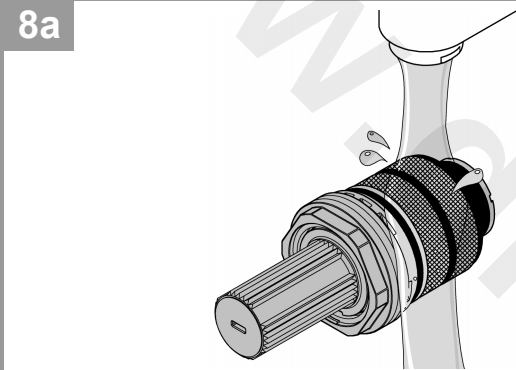
6a



7a



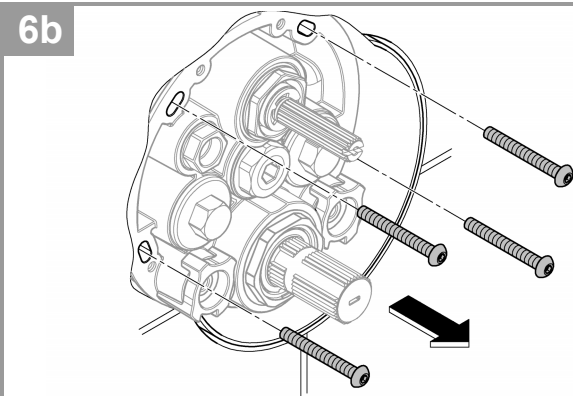
8a



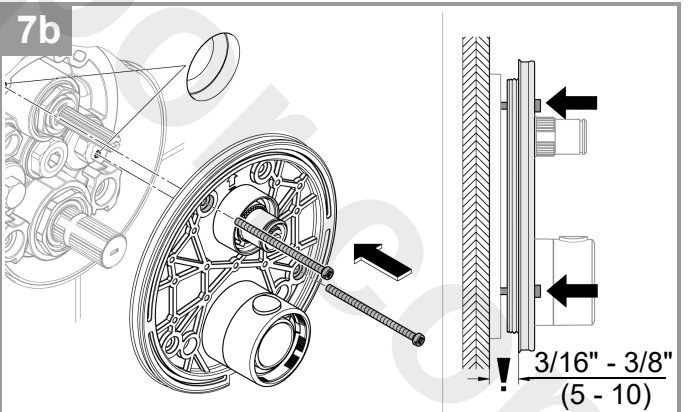
MAINTENANCE



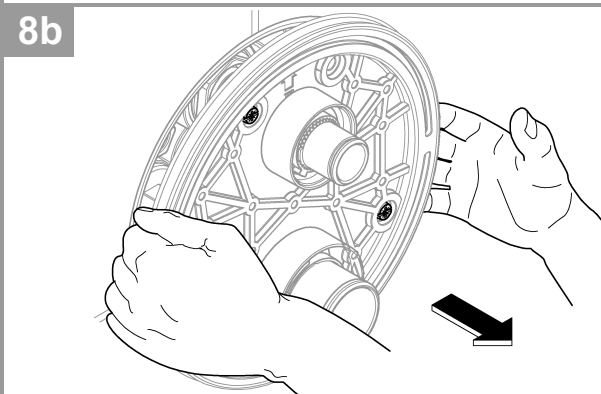
6b



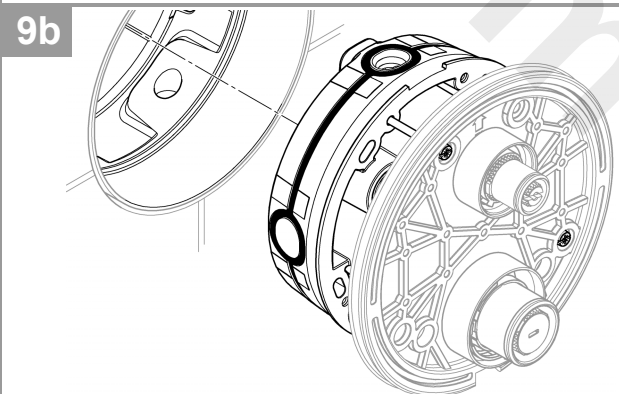
7b



8b



9b



Note

Please know and follow all applicable local plumbing codes when setting the temperature on the water heater.

Only for shower application:

If your local plumbing code requires to install the limiter to reduce the total flow of water in the shower to 1.8gpm at 80psi, see page 12.

Technical Data

- Flow pressure
- Minimum flow pressure without downstream resistances 7.25 psi
- Minimum flow pressure with downstream resistances 14.5 psi
- Recommended 21.75–72.5 psi
- Temperature
- Hot water supply max. 158 °F
- Recommended for energy saving 140 °F
- Thermal disinfection possible
- Hot water temperature at supply connection min. 3.6 °F higher than mixed water temperature

Flow rates without downstream resistances, see page 1.

These should be observed when dimensioning the outlet!

The following special accessories are available:

- Extension 1" (25mm) (prod. no.: 14 058)

Thermostat compact cartridge for exchanged water channels:
Reversed connections, hot on right and cold on left, replace compact cartridge (prod. no.: 49 003)

Installation

- In order to flush, remove the plugs (Y), see page 2 Fig. [4].
- Open cold and hot water supply and check connections for watertightness!
- Alignment of functional unit by 6° possible.
- Measure valves, see page 5 Fig. [18]. For a dimension larger than $1\frac{1}{16}$ " (18mm), the enclosed extension must be used.

Adjusting to 100 °F

- Before the mixer is put into service if the mixed water temperature measured at the point of discharge varies from the desired temperature set on the thermostat, see page 6 Fig. [20].
- Every time following maintenance on the thermostatic compact cartridge.

Handle functions (may vary depending on the product)

One function: Shut-off handle (outlet B or C)

Two functions: Aquadimmer (outlets B + C)

Shut-off handle

- Align adjustment ring vertically to the **left mark**, see page 6, Fig. 25.

Aquadimmer

- To avoid leakages when adjusting the Aquadimmer, refer to page 5, Fig. 18.

Align adjustment ring vertically to the **right mark**, see page 6, Fig. 25.

Temperature limitation

The safety stop limits the temperature range to 100 °F. If a higher temperature is required, the 100 °F stop can be overridden by pressing the button.

In accordance with local plumbing codes, this thermostat is limited to a maximum temperature of 109 °F.

Danger of frost damage

When the domestic water system is drained, the thermostats must be drained separately since non-return valves are installed in the hot and cold water connections.

Remarque

Vous devez connaître et respecter tous les codes de plomberie locaux applicables pour le réglage de la température du chauffe-eau.

Seulement pour l'application de douche:

Si votre code de plomberie exige, installez le limiteur de débit pour réduire le débit total de l'eau dans la douche à 6,8 l/min à 5,5 bar, voir page 12.

Caractéristiques techniques

- Pression dynamique
- Pression dynamique minimale sans résistances en aval 0,5 bar
- Pression dynamique minimale avec résistances en aval 1 bar
- Recommandée 1,5 à 5 bars
- Débit minimal 5 l/min
- Température
- Entrée d'eau chaude max. 70 °C
- Recommandée pour économie d'énergie 60 °C
- Désinfection thermique possible
- Température de l'eau chaude au raccord d'alimentation au moins 2 °C supérieure à la température de l'eau mitigée

Débits sans résistances en aval, voir page 1. **Respecter les données indiquées lors du dimensionnement de l'évacuation !**

Les accessoires spéciaux suivants sont disponibles :

- Extension de 25mm (réf. : 14 058)

Cartouche compacte de thermostatique pour raccords inversés : Raccords inversés (chaud à droite, froid à gauche), remplacer la cartouche compacte (réf. : 49 003)

Installation

- Pour le rinçage, démonter les clapets (Y), voir page 2, fig. [4].
- Ouvrir les arrivées d'eau froide et d'eau chaude et vérifier l'étanchéité des raccords.
- Possibilité d'orienter l'unité de commande de 6°.
- Mesurer les vannes, voir page 5, fig. [18]. Pour des dimensions supérieures à 18mm, utiliser l'extension fournie.

Réglage sur 38 °C

- Préalablement à la mise en service : si la température de l'eau mitigée mesurée au point de puisage est différente de la température souhaitée réglée au niveau de la poignée graduée du thermostatique, voir page 6, fig. [20].
- Après chaque opération de maintenance sur la cartouche compacte du thermostatique.

Fonctions de la poignée (selon produit)

Une fonction : Poignée d'arrêt (sortie B ou C)

Deux fonctions : Aquadimmer (sortie B + C)

Poignée d'arrêt

- Disposer la bague de réglage verticalement sur le **repère gauche**, voir page 6, fig. 25.

Aquadimmer

- Pour éviter tout risque de fuite, tenir compte des indications de la page 5 fig. 18 pour le réglage de l'Aquadimmer.

Disposer la bague de réglage verticalement sur le **repère droit**, voir page 6, fig. 25.

Limitation de la température

La température est limitée à 38 °C par la butée de sécurité. Il est possible d'obtenir une température plus élevée (supérieure à 38 °C) en appuyant sur le bouton.

Conformément aux directives locales d'installation, ce thermostatique est limité à une température max. de 43 °C.

Attention en cas de risque de gel

Lors du vidage de l'installation sanitaire, il convient de vider séparément les thermostatiques dont les raccords d'eau froide et d'eau chaude sont équipés de clapets anti-retour.

E

Nota

Debe conocer y cumplir todos los códigos locales aplicables para ajustar la temperatura del calentador de agua.

Solo para la aplicación de ducha:

Si el código de instalación local requiere, instale el limitador de caudal para reducir el caudal total de agua en la ducha a 1.8gpm a 80psi, véase la página 12.

Datos técnicos

- Presión de trabajo
- Presión mínima de trabajo sin resistencias postacopladas 7.25 psi
- Presión mínima de trabajo con resistencias postacoplada 14.5 psi
- Recomendado 21.75-72.5 psi
- Caudal mínimo 1.3 gpm
- Temperatura
- Entrada de agua caliente máx. 158 °F
- Recomendado para ahorrar energía 140 °F
- Desinfección térmica posible
- La temperatura del agua caliente en la acometida de mín. 3.6 °F es superior a la temperatura del agua mezclada

Caudales sin resistencias postacopladas, véase la página 1.

Tenga en cuenta las dimensiones del desagüe.

Los siguientes accesorios especiales están disponibles:

- Prolongación de 1" (25mm) (n.º de pedido: 14 058)

Cartuchos compactos de termostato para las entradas de agua intercambiadas: Conexión invertida, sustituir los cartuchos compactos, los calientes en el lado derecho y los fríos en el izquierdo (n.º de pedido: 49 003)

Instalación

- Para lavar, desmonte el tapón (Y), véase la página 2 fig. [4].
- Abrir las llaves de paso del agua fría y del agua caliente y comprobar la estanqueidad de las conexiones.
- Es posible alinear la unidad de funcionamiento 6°.
- Medir las válvulas, véase la página 5 fig. [18]. Para una medida más grande de $1\frac{1}{16}$ " (18mm), se debe utilizar la prolongación suministrada.

Ajustar a 100 °F

- Antes de la puesta en servicio, si la temperatura del agua mezclada medida en el punto de consumo difiere de la temperatura teórica ajustada en el termostato, véase la página 6 fig. [20].
- Después de cada operación de mantenimiento en el cartucho compacto del termostato.

Funciones de agarre (varían según el producto)

Una función: Volante de apertura y cierre (salida B o C)

Dos funciones: Aquadimmer (salida B + C)

Volante de apertura y cierre

- Alinee verticalmente el anillo de ajuste en la **marca izquierda**, véase página 6, fig. 25.

Aquadimmer

- Para evitar fugas, debe tener en cuenta imprescindiblemente la página 5, fig. 18 para el ajuste del Aquadimmer.

Alinee verticalmente el anillo de ajuste en la marca derecha, véase página 6, fig. 25.

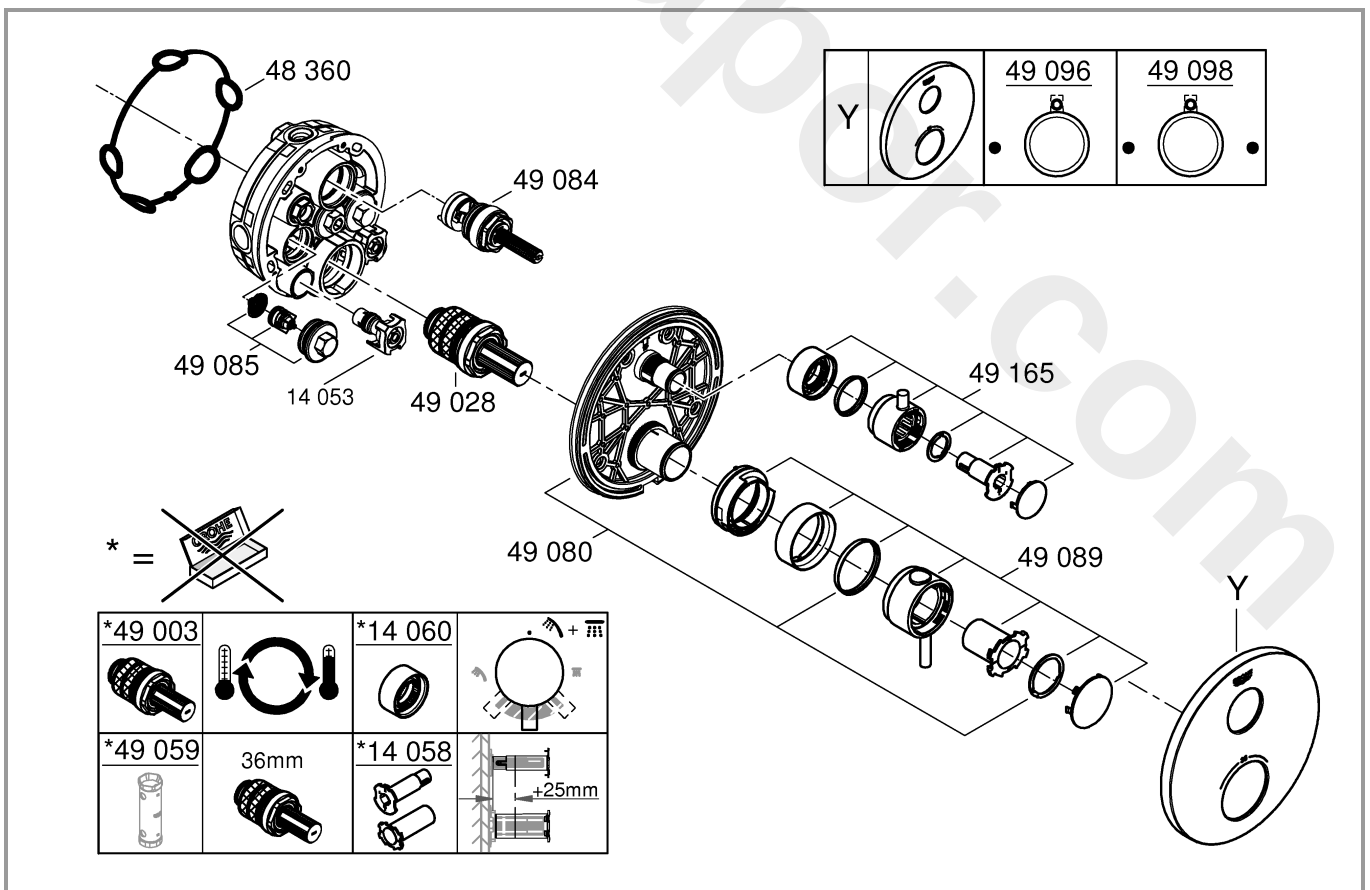
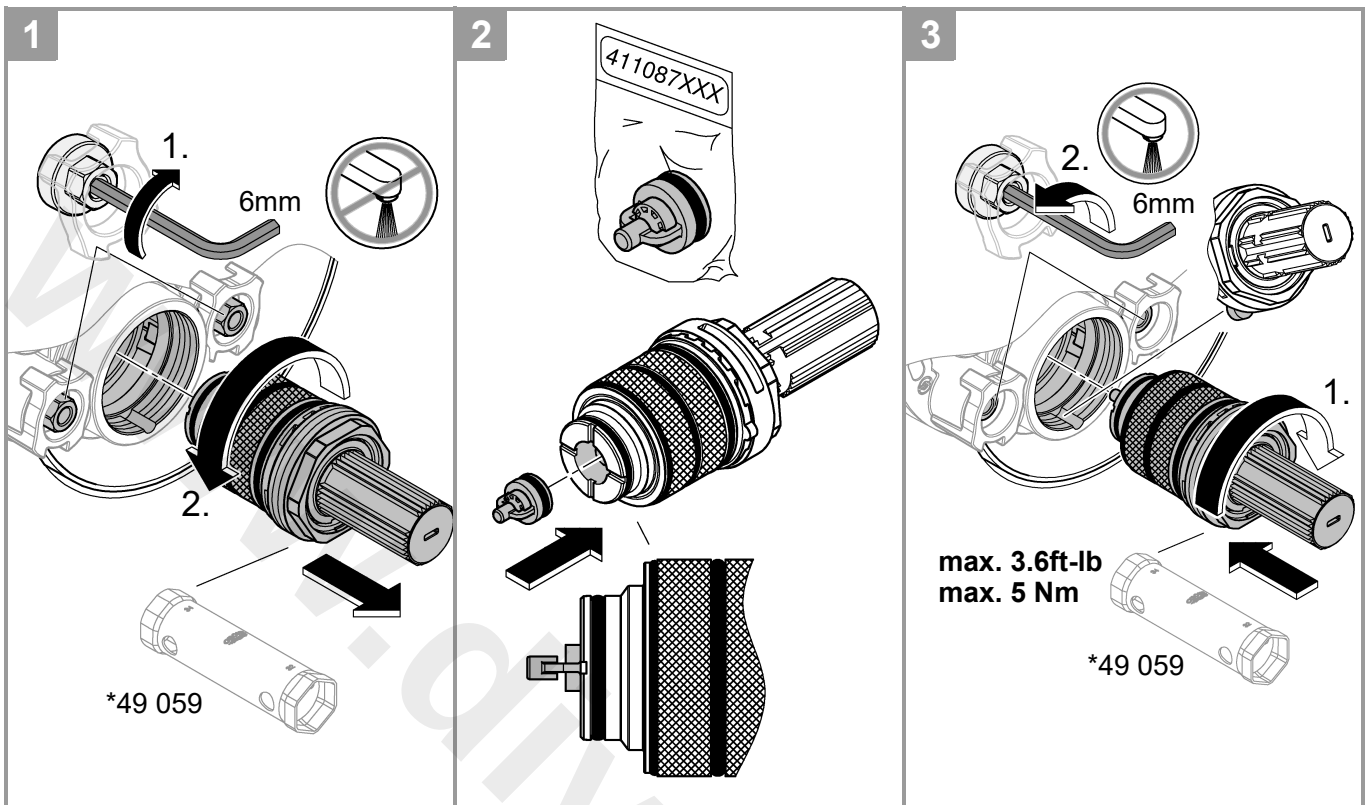
Limitación de la temperatura

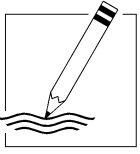
La gama de temperaturas está limitada a 100 °F mediante el cierre de seguridad. Si desea seleccionar una temperatura más alta, se puede exceder el límite de 100 °F presionando la tecla.

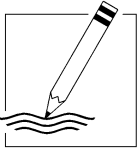
En las normas de instalación locales el termostato tiene una temperatura máxima establecida de 109 °F.

Atención en caso de peligro de helada

Al vaciar la instalación de la casa, los termostatos deberán vaciarse por separado, ya que hay válvulas antirretorno en las conexiones del agua fría y caliente.







Pure Freude
an Wasser

GROHE

D

☎ +49 571 39 89 333
service.de@grohe.com

A

☎ +43 1 6 80 60
info-at@grohe.com

AUS

☎ 1800 080 055
customer.care@reece.com.au

B

☎ +32 (0)2 899 3077
<https://www.grohe.be/nl/be/once-service/contact.html>

BG

☎ +359 2 971 99 59
info-bg@grohe.com

BR

☎ 0800 770 1222
falecom@lixilamericas.com

CAU

☎ +99 412 497 09 74
info-az@grohe.com

CDN

☎ +1 888 6447643
info@grohe.ca

CH

☎ +41 44 877 73 00
info@grohe.ch

CN

☎ +86 4008811698
info.cn@grohe.com

CZ

☎ +42 07 21 71 66 73
info-cz@grohe.com

DK

☎ +45 44 65 68 00
grohe@grohe.dk

E

☎ +34 93 / 3 36 88 50
grohe@grohe.es

EST LT LV

☎ +372 661 6354
grohe@grohe.ee

F

☎ +33 1 49 97 29 00
sav-fr@grohe.com

FIN

☎ +358 (09)42451390
grohe@grohe.fi

GB

☎ +44 208 283 2840
info-uk@grohe.com

H

☎ +36 (06)1 238-8045
info-hu@grohe.com

HK

☎ +852 2969 7067
info@grohe.hk

I

☎ +39 2 959401
info-it@grohe.com

IND

☎ 18001024475
customercare.in@grohe.com

IS

☎ +354 515 400
jonst@byko.is

J

☎ +81-3-5775-7500
info_grohe@blisspajapan.jp

KZ

☎ +7 775 007 05 27
service-kz@grohe.com

MAL

☎ 1800 80 6570
customerservice.my@lixil.com

MX

☎ 01 800 839 1200
info@lixilamericas.com

N

☎ +47 22 07 20 70
grohe@grohe.no

NL

☎ +31(0) 88-0030700
<https://www.grohe.nl/nl/nl/once-service/contact.html>

NZ

☎ +64 09 573 0490
sales@robertson.co.nz

P

☎ +351 234529620
comercial-pt@grohe.com

PL

☎ +48 (22) 5432640
biuro@grohe.com

RI

☎ 0800-1-047-643
customercare-indonesia@lixil.com

RO

☎ +40 021 212 50 50
info-ro@grohe.com

ROK

☎ +82 2 1588 5903
info-singapore@grohe.com

RP

☎ +63 2 89288000
service_center@wilcon.com.ph

RUS

☎ 8 800 200 00 49
service-ru@grohe.com

S

☎ +46 771 14 13 14
grohe@grohe.se

SGP RC

☎ +65 6311 3611
grohe@connectcentre.sg

SK

☎ +420 (2) 77004192
info-sk@grohe.com

T

☎ +6629014455
grohe-thailand@lixil.com

TR

☎ +90 216 441 23 70
groheturkey@grome.com

UA

☎ +380 (44) 5375273
info-ua@grohe.com

USA

☎ +1 800 4447643
Grohetechcare@lixil.com

VN

☎ (+84) 1800 6624
cskh@lixil.com

AL BIH HR KS

ME MK SLO SRB

☎ +385 1 2911470
adria-hr@grohe.com

CY M IL GR

☎ 800 11111
info@grome.com

UAE Q KWT

BRN OM PK

☎ +971 4 4214557
grohedubai@grome.com

KSA RL JOR IRQ

☎ +966 11 4551667
groheksa@grome.com

ET MA DZ TN

NGR

☎ +202 226147988/98
grohecairo@grome.com

Far East Area Sales Office:

☎ +65 6311 3600
info@grohe.com.sg

Latin America:

☎ +52 818 3050626
info@lixilamericas.com