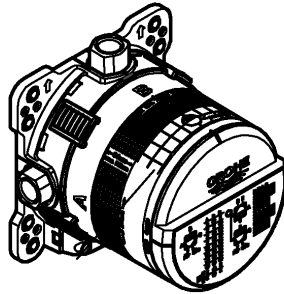
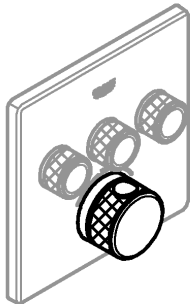


35 603



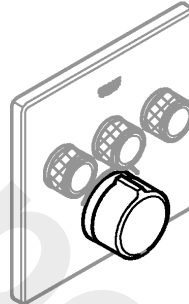
1-9

Grotherm SmartControl



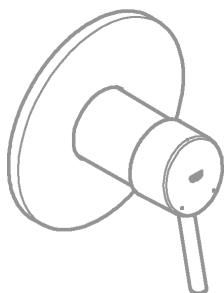
10-27

SmartControl Mixer



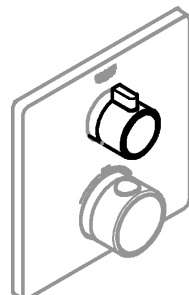
28-37

Single-Lever-Mixer



38-45

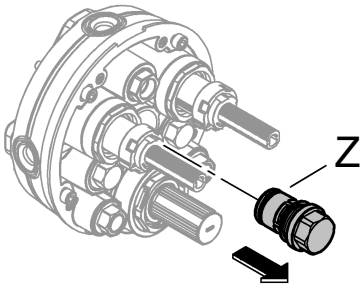
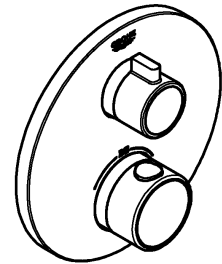
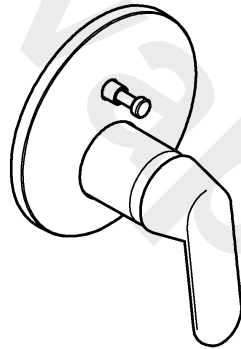
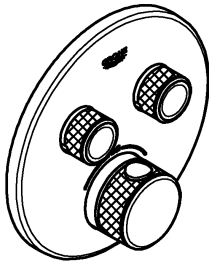
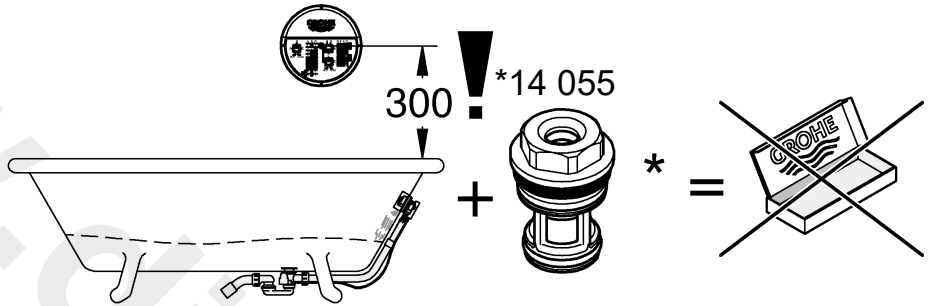
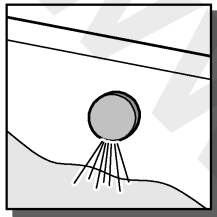
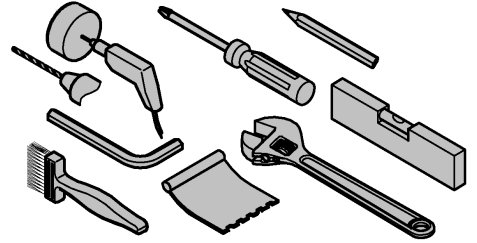
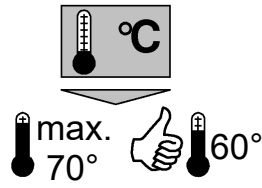
Grotherm 2-Handle Thermostat



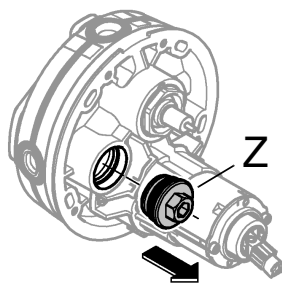
46-51



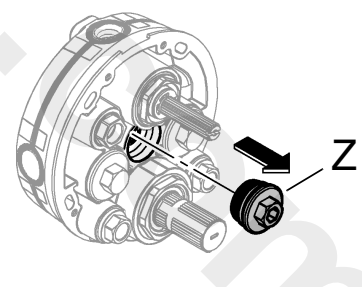
DIN 1988
DIN EN 806



*14 055



*14 055



*14 055

应用

支持通过以下加热器操作：

- 承压式蓄热热水器
- 温控 / 液控式即热热水器

不允许与非承压式蓄热热水器（容积式热水器）一起使用！

技术参数

- 工作压力：最大 10 巴
- 测试压力：16 巴

注意：

为符合噪音级别要求，如果静压超过 5 巴，必须加装减压阀。

若与浴缸注水与溢水套件配合使用，根据 EN 1717 规定，必须加装经认证的安全设备。

须遵循以下要求：

- 如果浴缸上设置有浴缸注水和溢水装置，则 GROHE Rapido SmartBox 必须安装在浴缸边缘上方至少 300 mm 处（见第 1 页）。
- 混合龙头 必须通过螺纹方式加装安全设备（特殊零件产品号：14 055），而不是使用预装配的橡皮塞（Z）。
- 安全设备，仅与 限双阀式 / 二路分水器一起使用

安装选项，见第 4-6 页。

- 在墙骨材料上安装
- 带定位件安装
- 直接安装到墙壁表面
- 墙壁嵌入安装
- 在预制房间装配板或预制架中安装（特殊零件产品号：14 071，请参见第 6 页）

智能盒的安装

- 在墙面上凿洞和开槽，以便安装智能盒和水管。
- 安装深度为 75-105mm。
- 如果智能盒安装过深，可加装接长节。

连接水管

应采用针对此目的的溢流机制。

- 推荐的配置选项：
 - Grohtherm SmartControl，请参见第 10-27 页。
 - SmartControl 混合龙头，请参见第 28-37 页。
 - Single-Lever-Mixer，请参见第 38-45 页。

- Grohtherm 2-Handle Thermostat，请参见第 46-51 页。

- 未堵住的流出口必须通过随附的橡皮塞（X）密封。
- 检查连接是否存在渗漏现象。
- 必须塞上橡皮塞（Y），请参见第 8 页，图 [6]。

应用载体材料作为密封材料，请参见第 9 页的图 [9] 到 [11]。

用石膏和瓷砖镶贴墙面。

- 在最终安装前，请不要切割产品底盘。

Applications

Operation is possible with:

- Pressurised storage heaters
- Thermally/hydraulically controlled instantaneous water heaters

Operation with unpressurised storage heaters (displacement water heaters) is **not** possible!

Technical data

- Operating pressure: max. 10 bar
- Test pressure 16 bar

Note:

To comply with noise levels if static pressure exceeds 5 bar, a pressure reducing valve must be fitted.

For the combination with bath filler and overflow sets an approved safety device is prescribed according to EN 1717.

The following must be observed:

- The GROHE Rapido SmartBox must be mounted at least 300 mm above the tub edge if a bath filler and overflow set is used (see page 1).
- The safety device (special accessories prod. no.: 14 055) can be screwed in instead of the pre-assembled plug (Z).
- Safety device, only in combination with **two valves / two way** diverter.
- The GROHE Rapido SmartBox must be mounted at least 300mm above the tub edge.

Installation options, see pages 4-6.

- Installation in studding
- Installation with spacers
- Installation directly on the wall
- Installation in the wall
- Installation on prefabricated house assembly plates or prefabricated shells (special accessories prod. no.: 14 071, see page 6)

Installation of the box

- Make drill holes for the box and slots for the pipes.
- Installation depth 75-105mm.
- If the box is installed too deeply an extension can be applied.

Connecting the pipes

The outflows intended for this purpose are to be used.

- Recommended configuration options:
 - Grohtherm SmartControl see from page 10-27.
 - SmartControl Mixer see from page 28-37.
 - Single-Lever-Mixer see from page 38-45.
 - Grohtherm 2-Handle Thermostat see from page 46-51.
- Non-binding outflows must be sealed with the accompanying plug (X).
- Check connections for water-tightness.
- Plugs (Y) must be assembled, see page 8, Fig. [6].

Apply carrier material as sealant, see page 9, Fig. [9] to [11].

Plaster and tile the wall.

Do **not** cut the fitting template prior to final installation.

D

Anwendungsbereich

Betrieb ist möglich mit:

- Druckspeichern
- Thermisch/Hydraulisch gesteuerten Durchlauferhitzern

Der Betrieb mit drucklosen Speichern (offenen Warmwasserbereitern) ist **nicht** möglich!

Technische Daten

- Betriebsdruck max 10 bar
- Prüfdruck 16 bar

Hinweis:

Zur Einhaltung der Geräuschwerte nach DIN 4109 ist bei Ruhedrücken über 5 bar ein Druckminderer einzubauen.

Für die Kombination mit Wannenfüll- und Überlaufgarnituren ist nach EN1717 eine zugelassene Sicherheitseinrichtung vorgeschrieben.

Dazu ist Folgendes zu beachten:

- Die GROHE Rapido SmartBox muss min. 300mm über dem Wannenrand montiert werden, falls eine Wannenfüll- und Überlaufgarnitur verwendet wird, siehe Seite 1.
- Sonderzubehör Best.-Nr. 14 055 anstelle des vormontierten Stopfens (Z) verwenden.
- Sicherheitseinrichtung, nur in Verbindung mit **zwei Ventilen / zwei Wege** Umstellung.

Einbaumöglichkeiten, siehe Seite 4-6.

- Montage in Ständerwerk
- Montage mit Abstandhaltern
- Montage direkt auf die Wand
- Montage in die Wand
- Montage auf Fertighausmontageplatten oder Fertiggzellen (Sonderzubehör Best.-Nr.: 14 071, siehe Seite 6)

Installation der Box

- Löcher für die Box sowie Schlitze für die Rohrleitungen erstellen (siehe DIN 1053).
- Einbautiefe 75-105mm.
- Ist die Box zu tief eingebaut kann eine Verlängerung eingesetzt werden.

Rohrleitungen anschließen

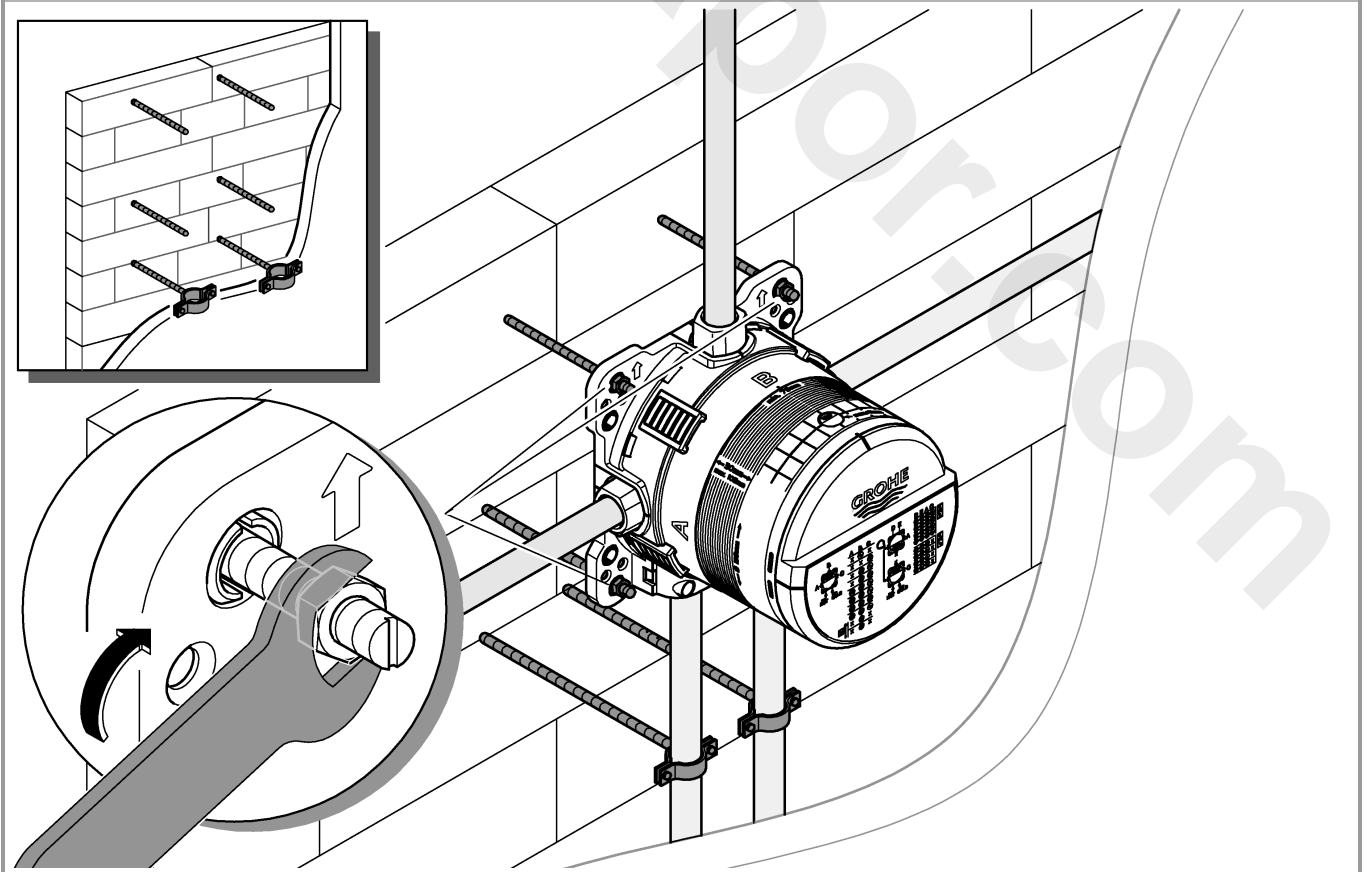
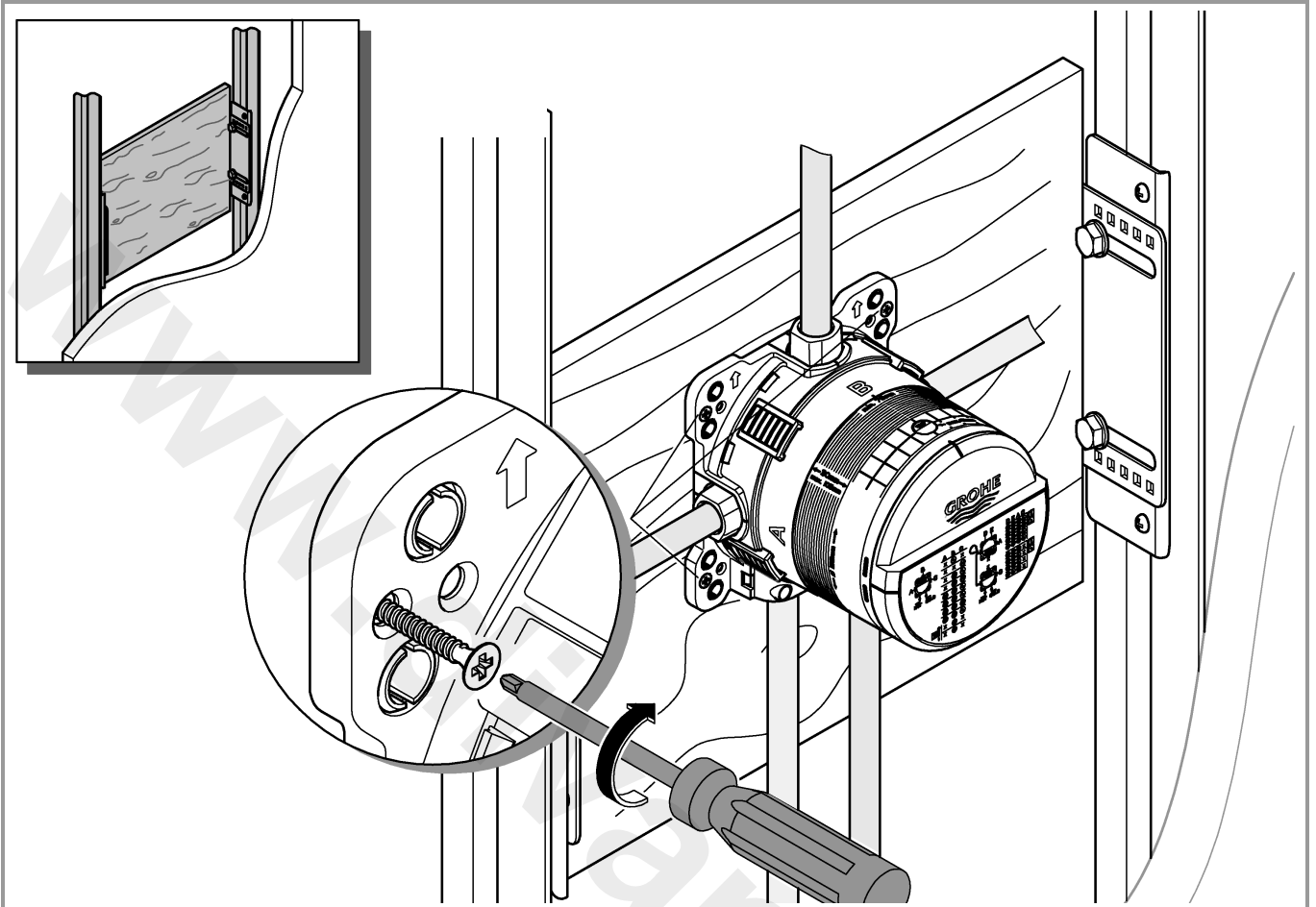
Die hierfür vorgesehenen Abgänge sind zu nutzen.

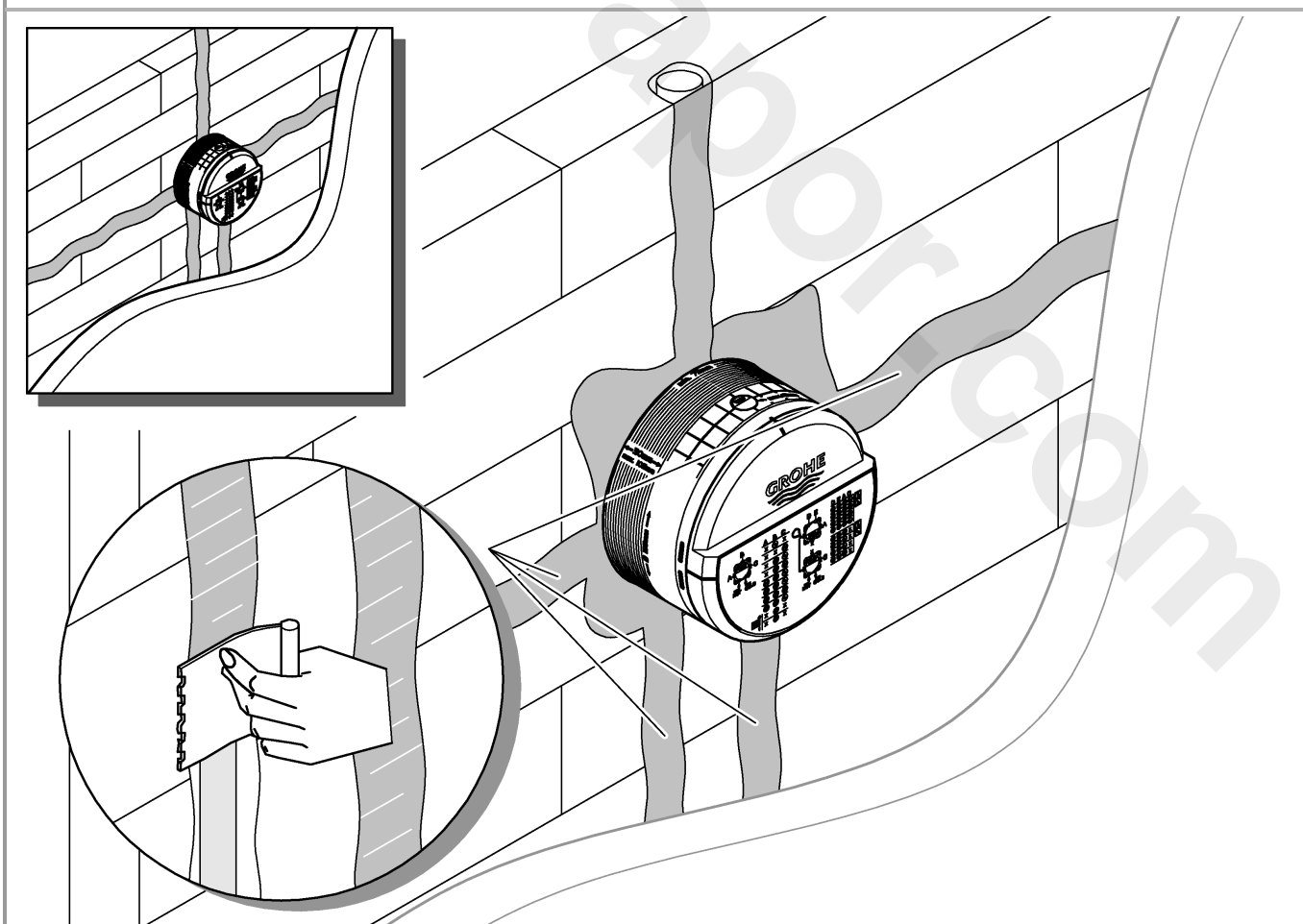
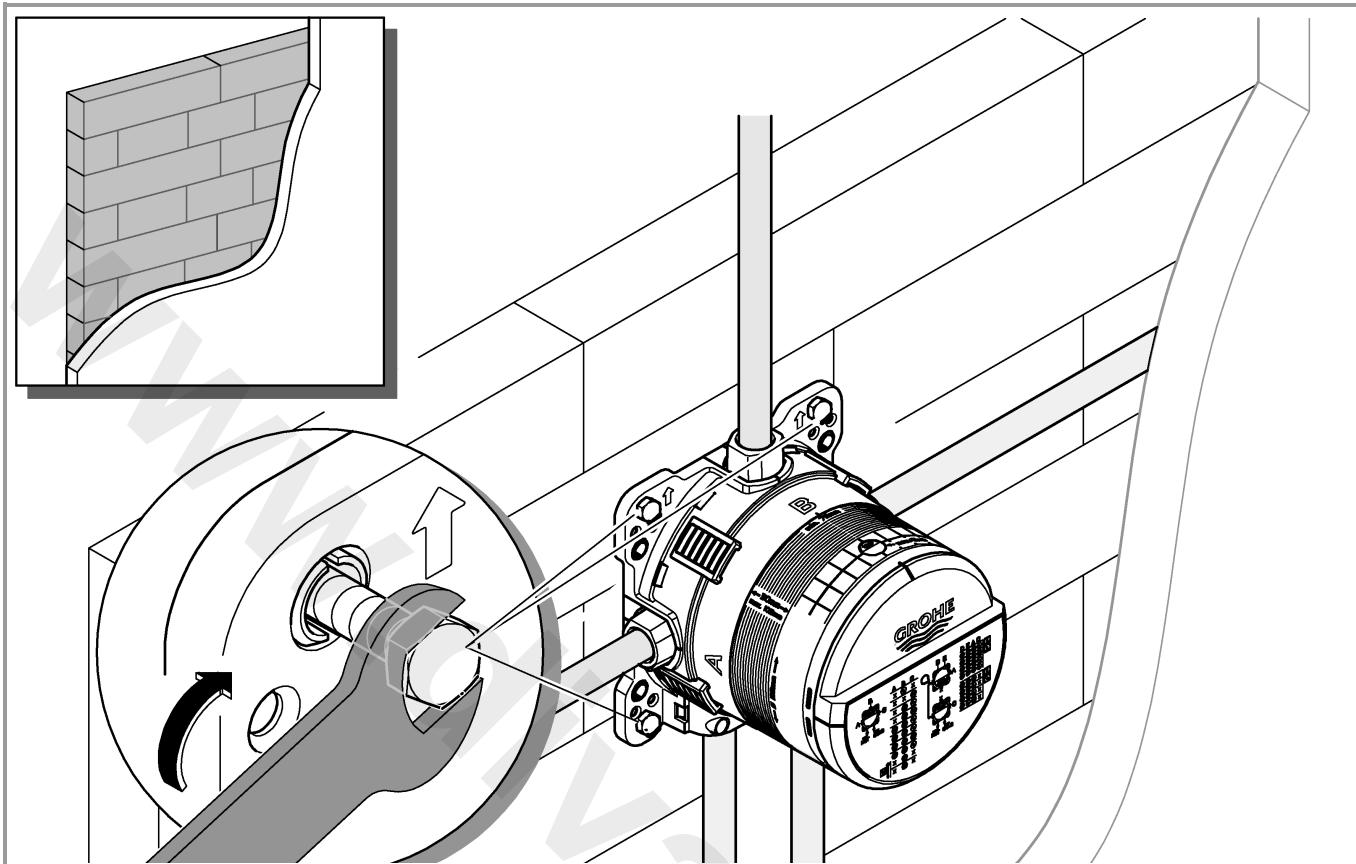
- empfehlende Konfigurationsmöglichkeiten:
 - Grohtherm Smart Control siehe ab Seite 10-27.
 - Smart Control Mixer siehe ab Seite 28-37.
 - Single-Lever-Mixer siehe ab Seite 38-45.
 - Grohtherm 2-Handle Thermostat siehe ab Seite 46-51.
- Freibleibende Abgänge müssen mit den beiliegenden Stopfen (X) abgedichtet werden.
- Anschlüsse auf Dichtheit prüfen.
- Stopfen (Y) müssen montiert werden, siehe Seite 8, Abb. [6]!

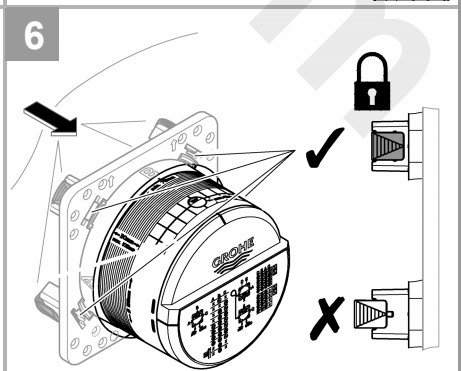
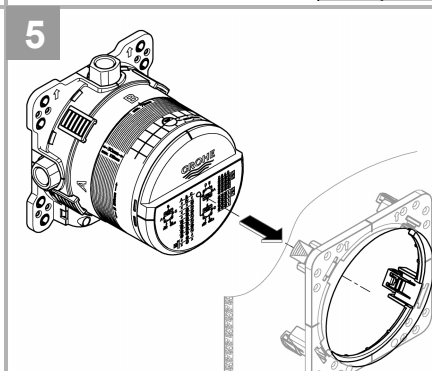
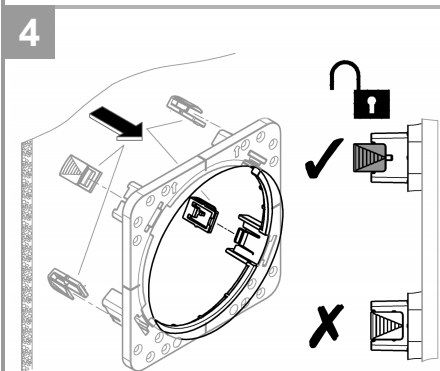
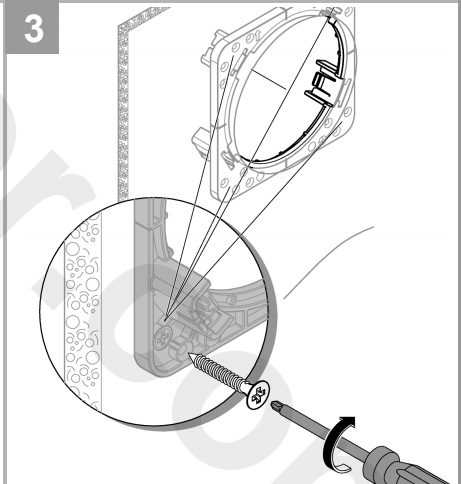
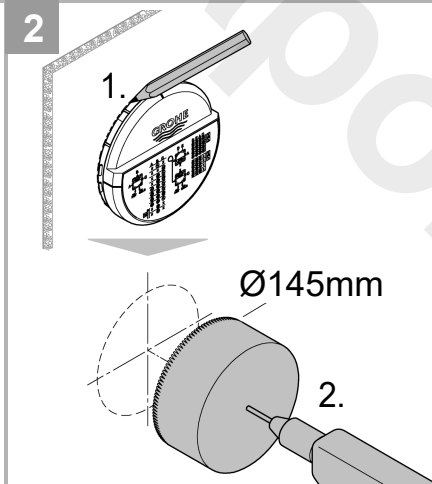
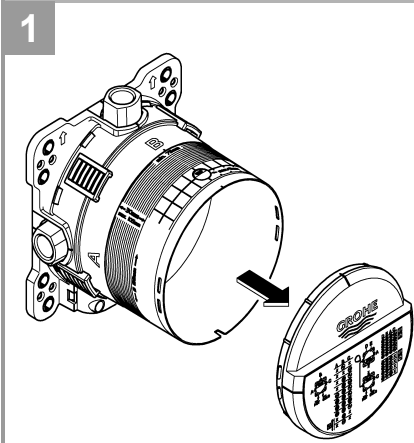
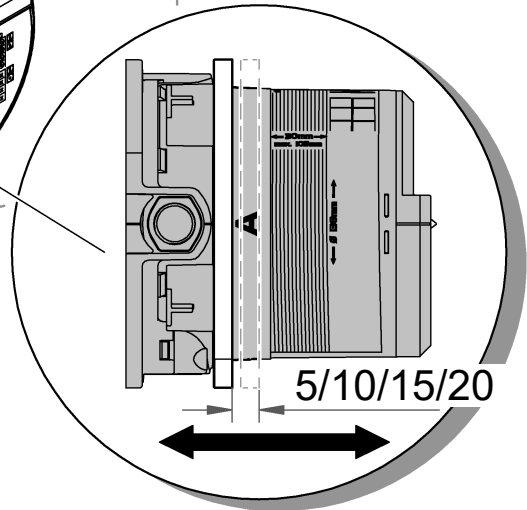
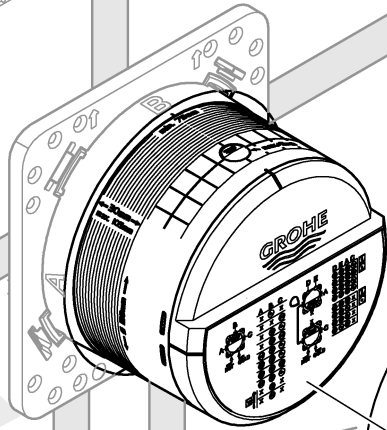
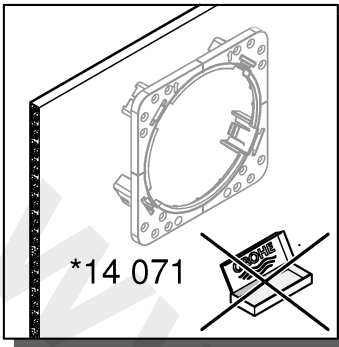
Trägermaterial für Dichtmittel aufbringen, siehe Seite 9 Abb. [9] bis [11].

Wand fertig verputzen und verfliesen.

Einbauschablone **nicht** vor der Fertiginstallation kürzen.

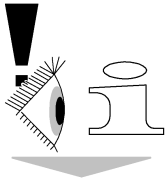








1



Grotherm Smart Control



10-27

Smart Control Mixer



28-37

Single-Lever-Mixer

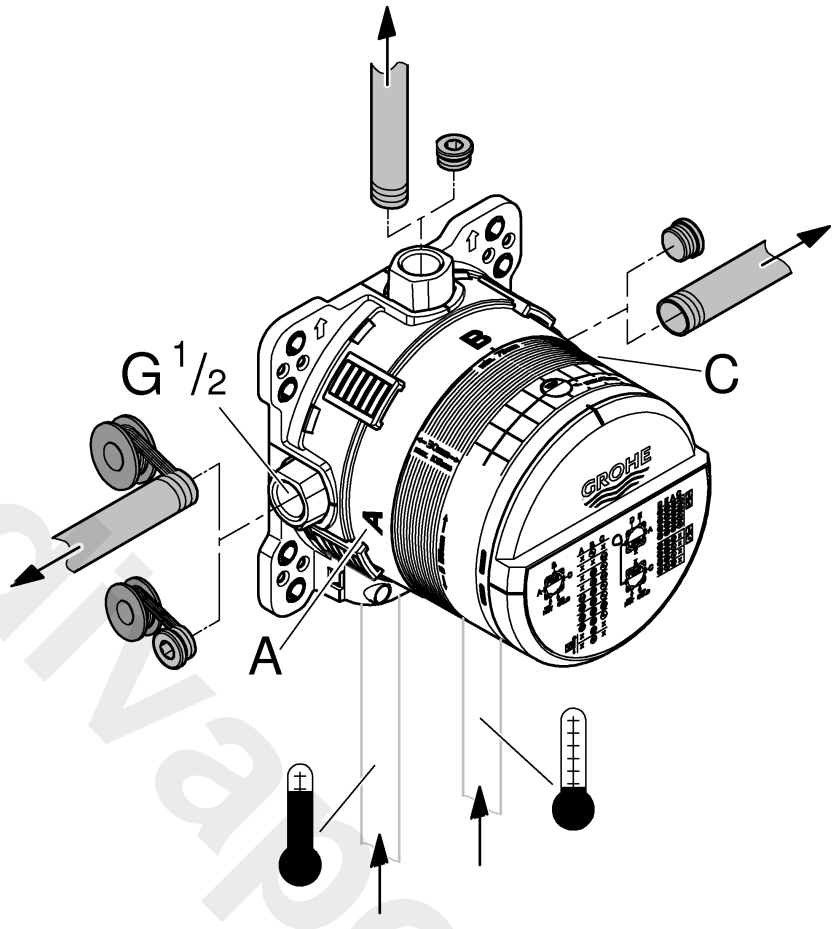


38-45

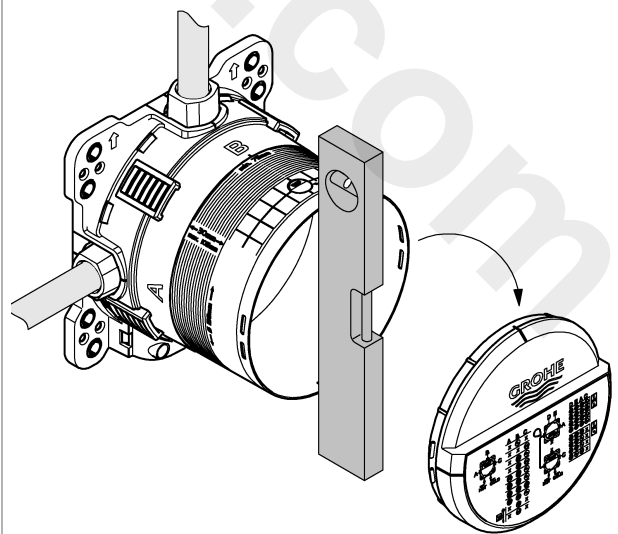
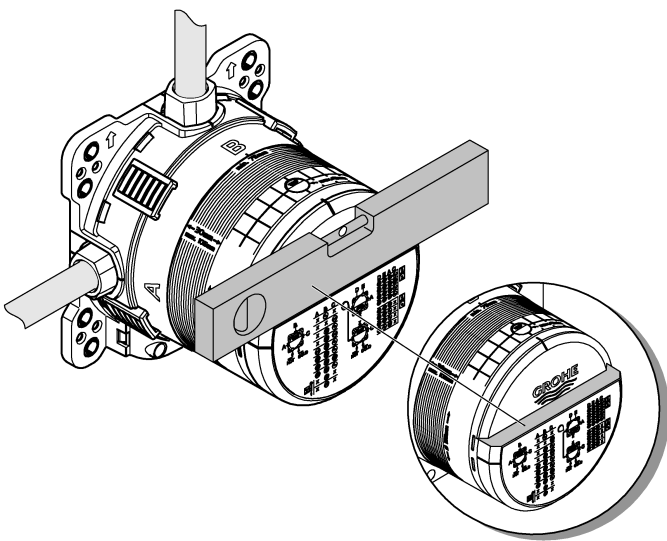
Grotherm 2-Handle Thermostat



46-51

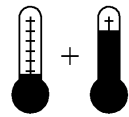
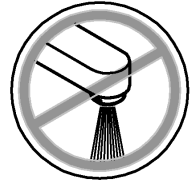
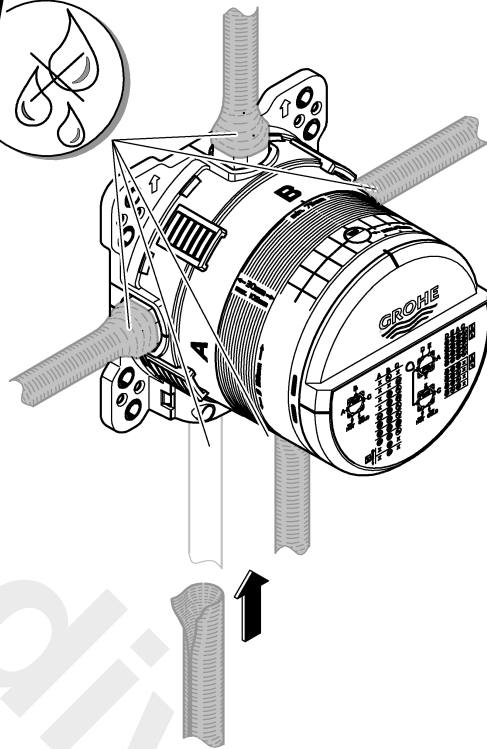
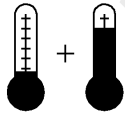
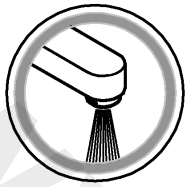


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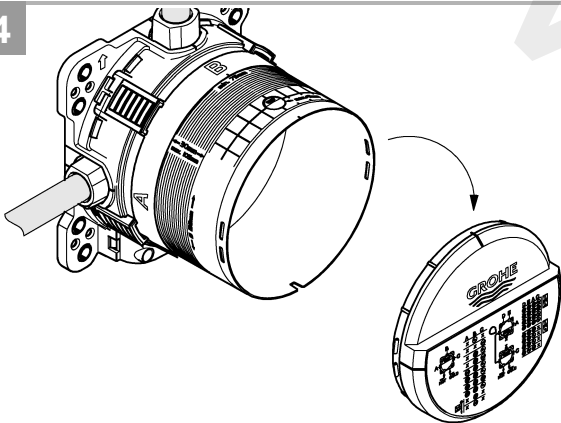




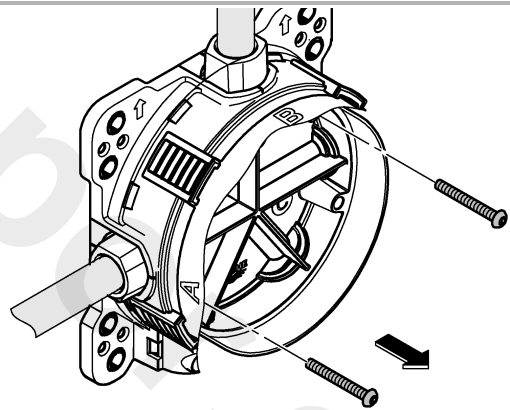
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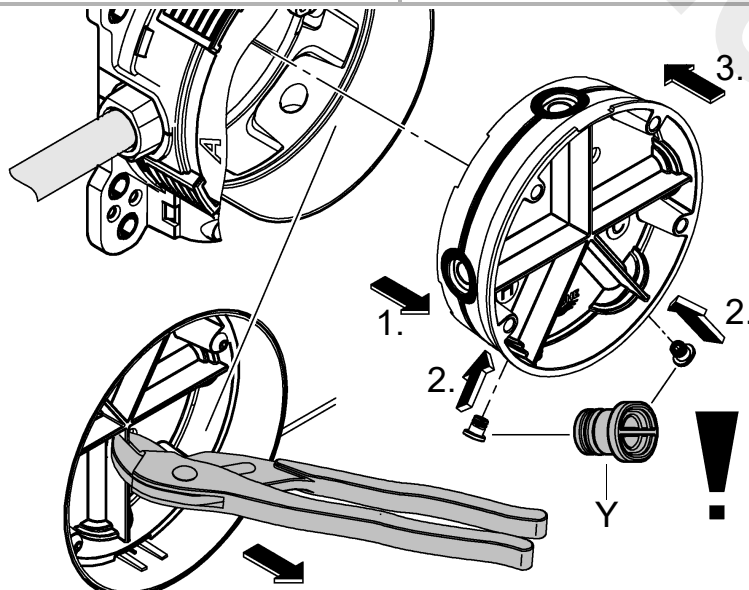
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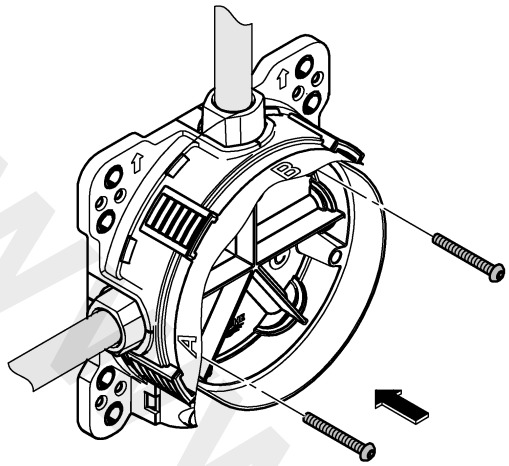


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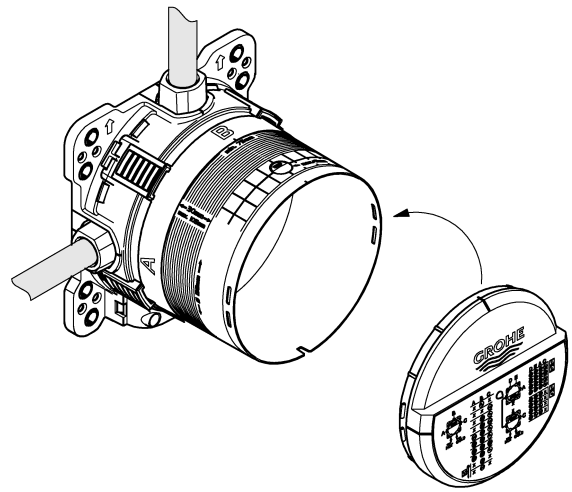




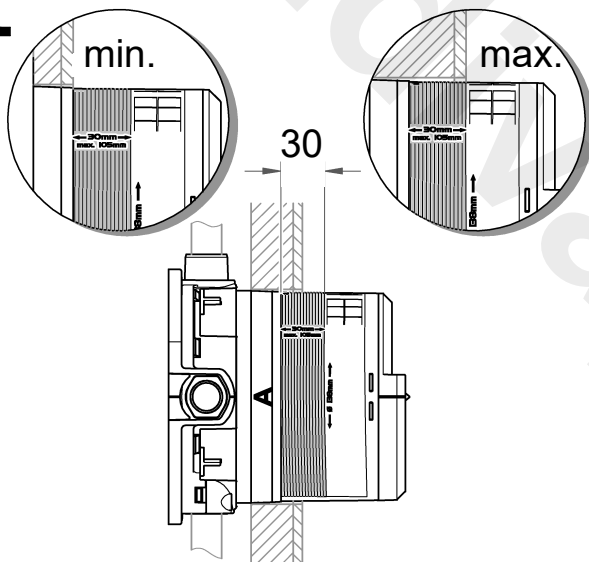
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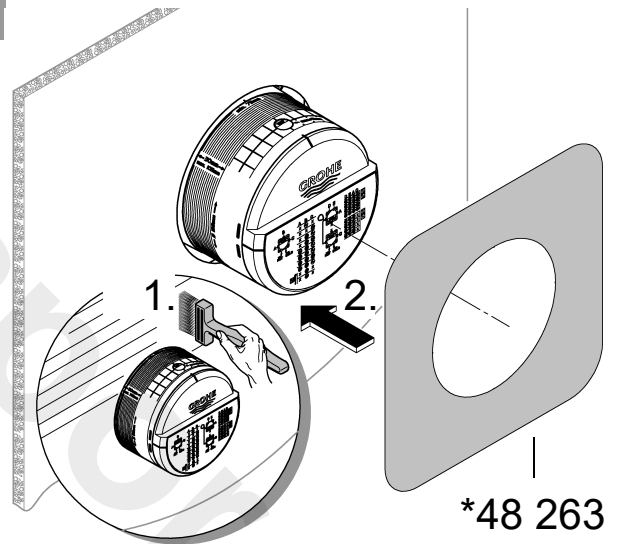
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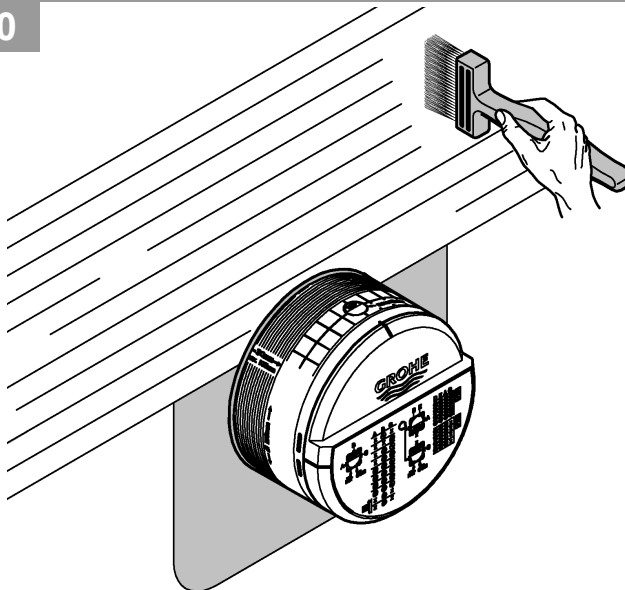
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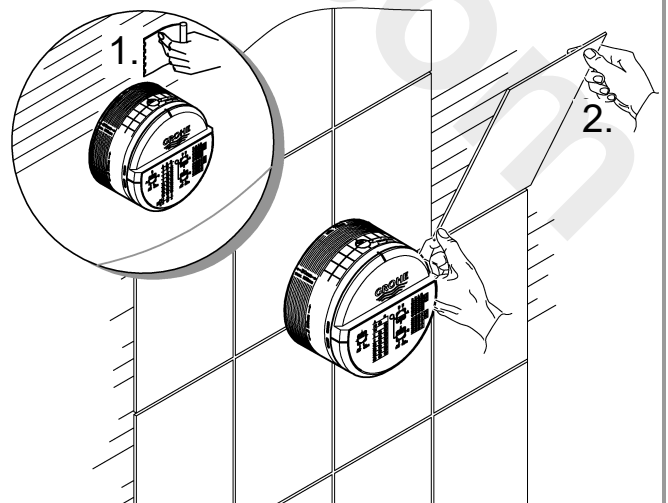
9



10



11



CN**Grotherm SmartControl 技术规格**

- 水流压力
- 无下游阻力情况下的
最小动压 0.5 巴
- 有下游阻力情况下的
最小动压 1 巴
- 推荐值 1.5-5 巴
- 最小流量 5 升 / 分钟
- 温度
- 热水入水口 最高 70 °C
- 节能建议值 60 °C
- 可采用温控消毒
- 进水管端的热热水温度
至少比冷热水混水温度高 2 °C

无下游阻力情况下的流量，请参见第 12-27 页。在
确定出水口尺寸规格时必须遵循此等要求！

- 安装选项，见第 11 页。
- 推荐配置选项，见第 12-27 页。

提供以下特殊零件：

- 接长节 25mm (产品号：14 048)
- 安全设备，仅需在采用双阀时使用
(产品号：14 055)
- 截止阀 (产品号：14 053)
- 反向连接，右侧接热水管，左侧接冷水管 更换恒
温器阀芯 (产品号：49 003)

GB**Technical specifications Grotherm SmartControl Thermostat**

- Flow pressure
- Minimum flow pressure without
downstream resistances 0.5 bar
- Minimum flow pressure with
downstream resistances 1 bar
- Recommended 1.5 – 5 bar
- Minimum flow rate 5 l/min
- Temperature
- Hot water inlet max. 70 °C
- Recommended for energy saving 60 °C
- Thermal disinfection possible
- Hot water temperature at supply connection
min. 2 °C higher than mixed water temperature

Flow rates without downstream resistances, see
page 12-27. **These are to be observed when
dimensioning the outlet!**

- Installation options, see page 11.
- Recommended configuration options, see from
page 12-27.

The following special accessories are available:

- Extension 25mm (prod. no.: 14 048)
- Safety device, only in combination with two
valves (prod. no.: 14 055)
- Isolating valves (prod. no.: 14 053)
- Reversed connection, hot on right – cold on left
replace thermostat cartridges (prod. no.: 49 003)

D**Technische Daten Grotherm SmartControl****Thermostat**

- Fließdruck
- Mindestfließdruck ohne
nachgeschaltete Widerstände 0,5 bar
- Mindestfließdruck mit
nachgeschalteten Widerständen 1 bar
- Empfohlen 1,5 - 5 bar
- Mindestdurchfluss 5 l/min
- Temperatur
- Warmwassereingang max. 70 °C
- Zur Energieeinsparung empfohlen 60 °C
- Thermische Desinfektion möglich
- Warmwassertemperatur am
Versorgungsanschluss min. 2 °C höher als
Mischwassertemperatur

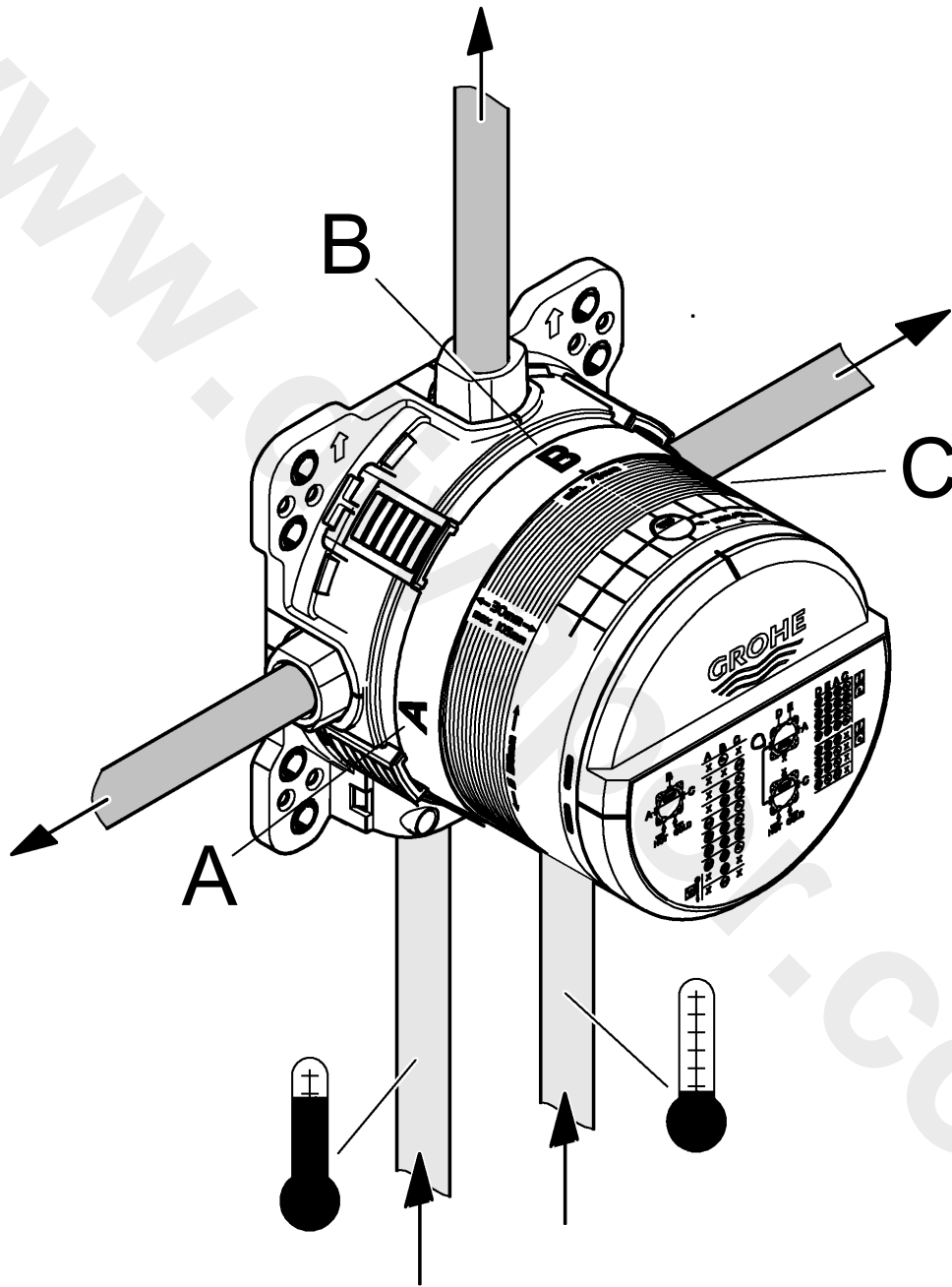
Durchflüsse ohne nachgeschaltete Widerstände,
siehe Seite 12-27. **Diese sind bei der
Dimensionierung des Abflusses zu beachten!**

- Einbaumöglichkeiten, siehe ab Seite 11.
- empfehlende Konfigurationsmöglichkeiten, siehe
ab Seite 12-27.

Folgende Sonderzubehöre sind erhältlich:

- Verlängerung 25mm (Best.-Nr.: 14 048)
- Sicherheitseinrichtung, nur in Verbindung mit
zwei Ventilen (Best.-Nr.: 14 055)
- Vorabsperrungen (Best.-Nr.: 14 053)

Seitenverkehrter Anschluss, warm rechts - kalt
links Thermostat-kartusche austauschen (Best.-Nr.:
49 003)

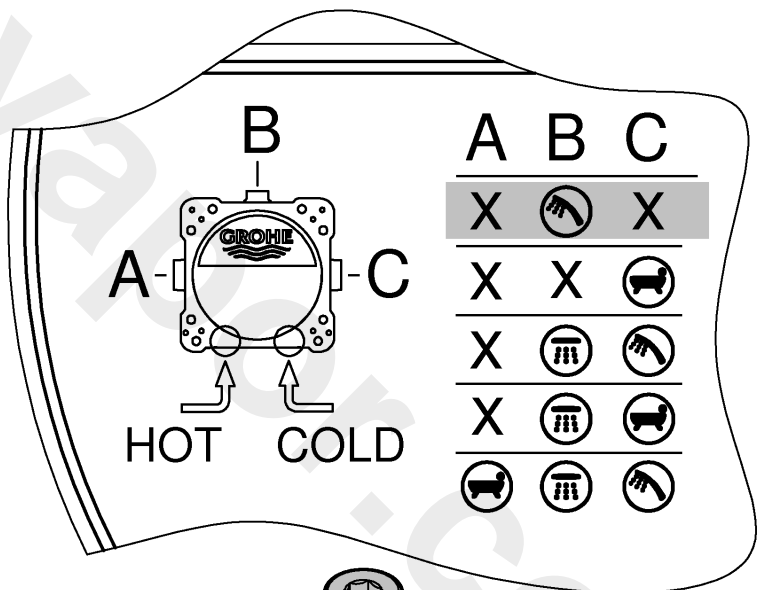
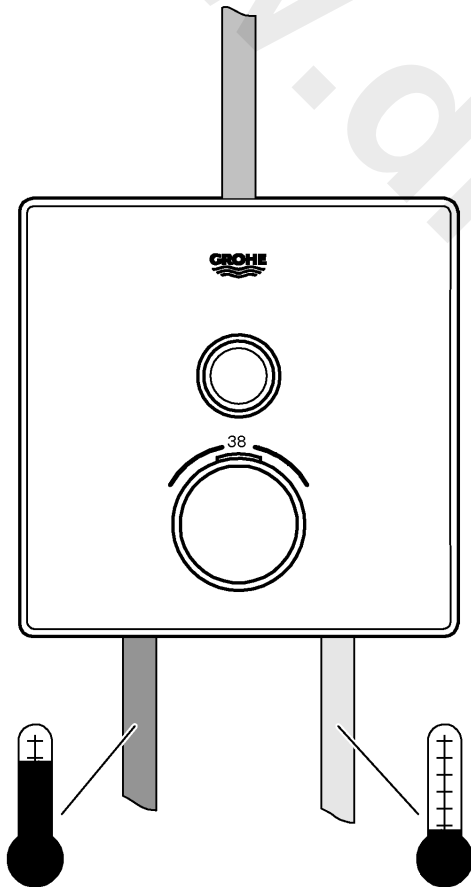




Grohtherm SmartControl



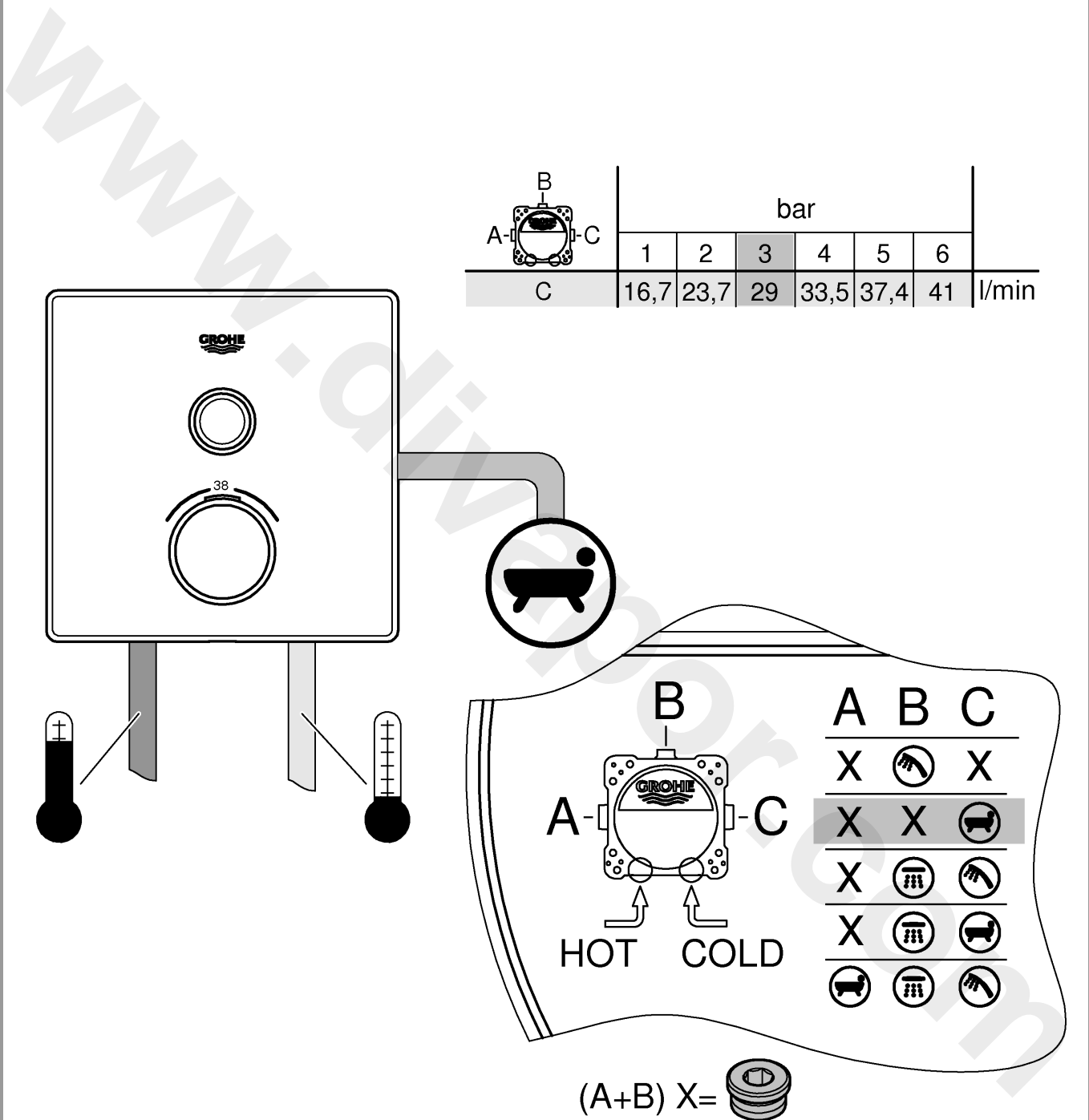
A	bar						B
	1	2	3	4	5	6	
B	16,7	23,7	29	33,5	37,4	41	l/min



(A+C) X=

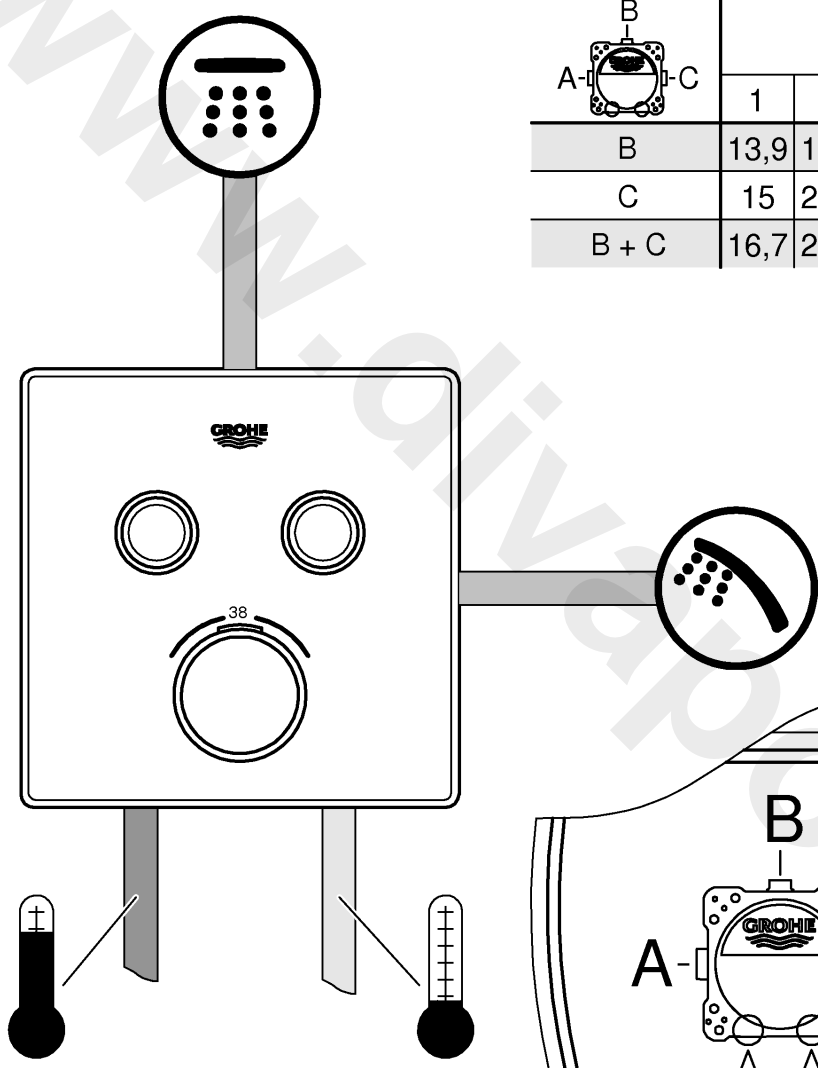


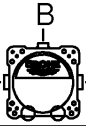
Grohtherm SmartControl

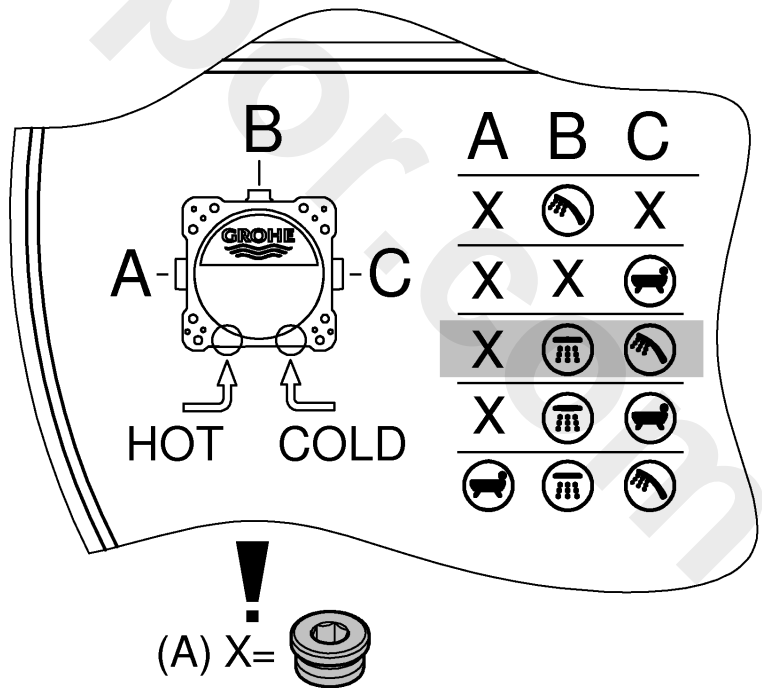




Grohtherm SmartControl

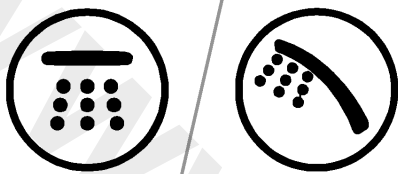


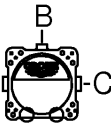
	bar						l/min
	1	2	3	4	5	6	
B	13,9	19,6	24	27,7	31	33,9	
C	15	21,2	26	30	33,6	36,8	
B + C	16,7	23,7	29	33,5	37,4	41	

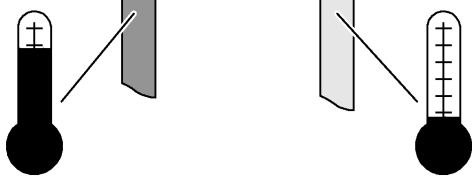
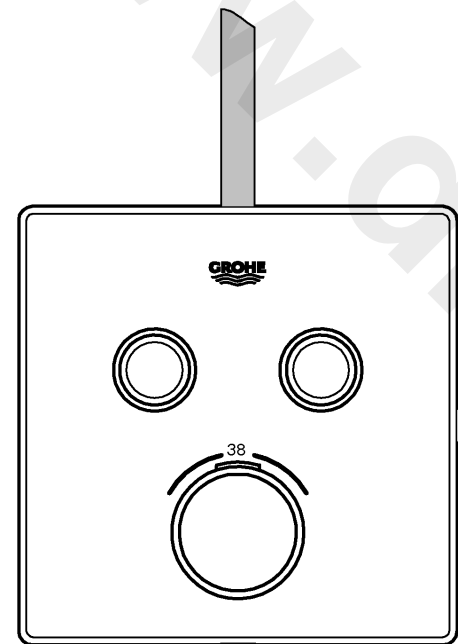
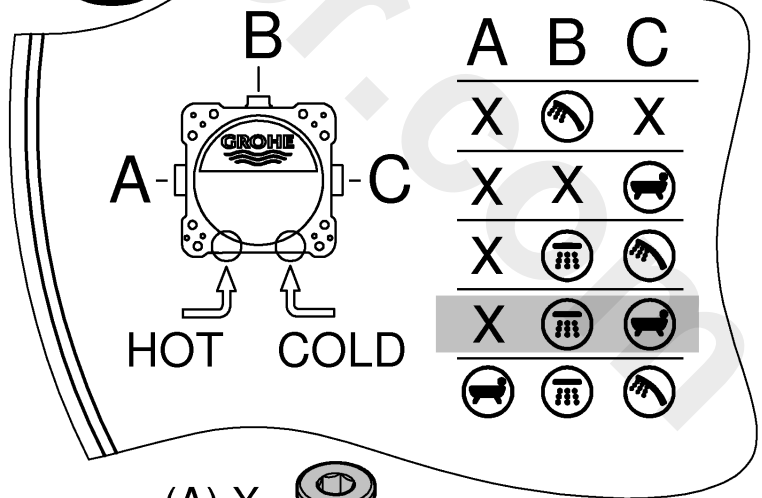





Grohtherm SmartControl



	bar						l/min
	1	2	3	4	5	6	
B	13,9	19,6	24	27,7	31	33,9	
C	15	21,2	26	30	33,6	36,8	
B + C	16,7	23,7	29	33,5	37,4	41	

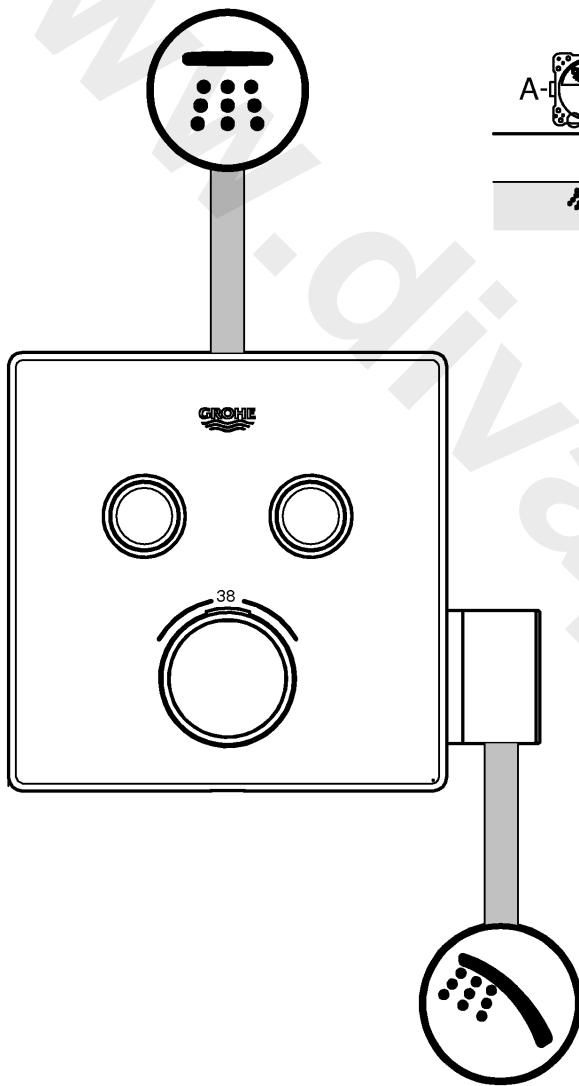



	A	B	C
X		X	
X	X		
X			
X			

(A) X= 



Grohtherm SmartControl



A-C	bar						l/min
	1	2	3	4	5	6	
B	13,9	19,6	24	27,7	31	33,9	
	6,9	9,8	12	13,9	15,5	17	

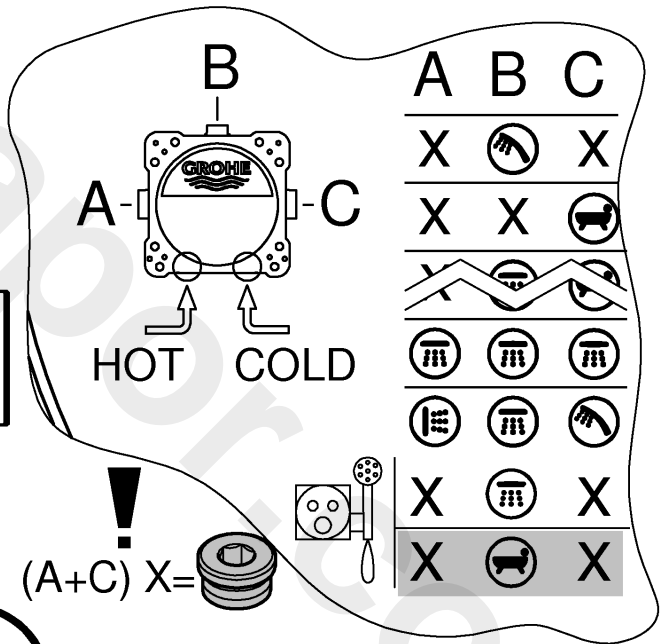
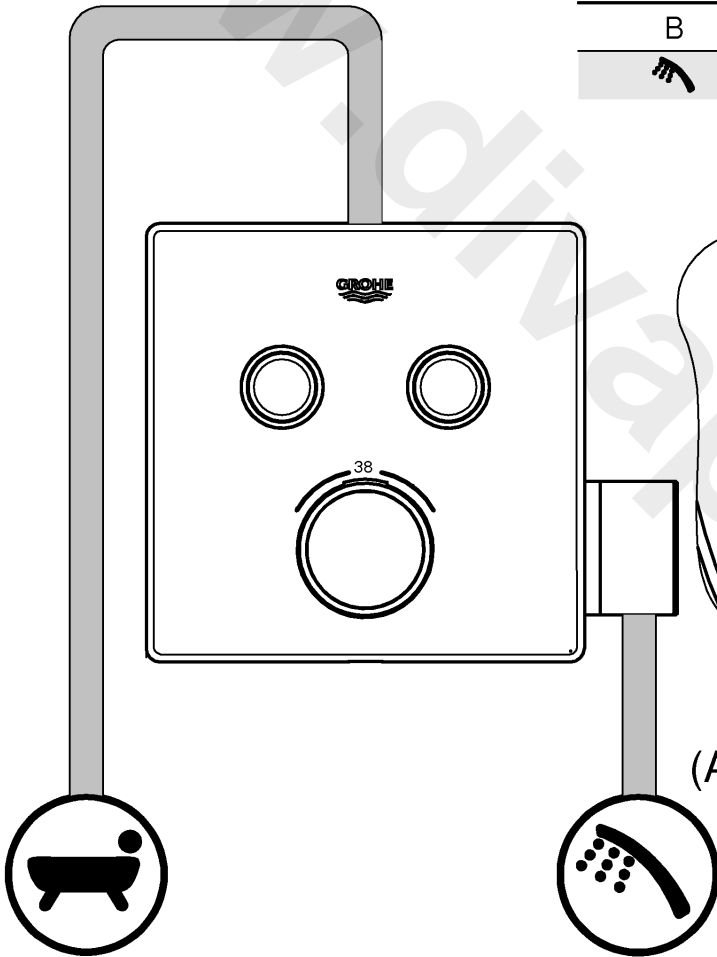
A	B	C
X		X
X	X	
X		
X		X
X		X

! (A+C) X=



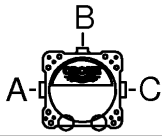
Grohtherm SmartControl

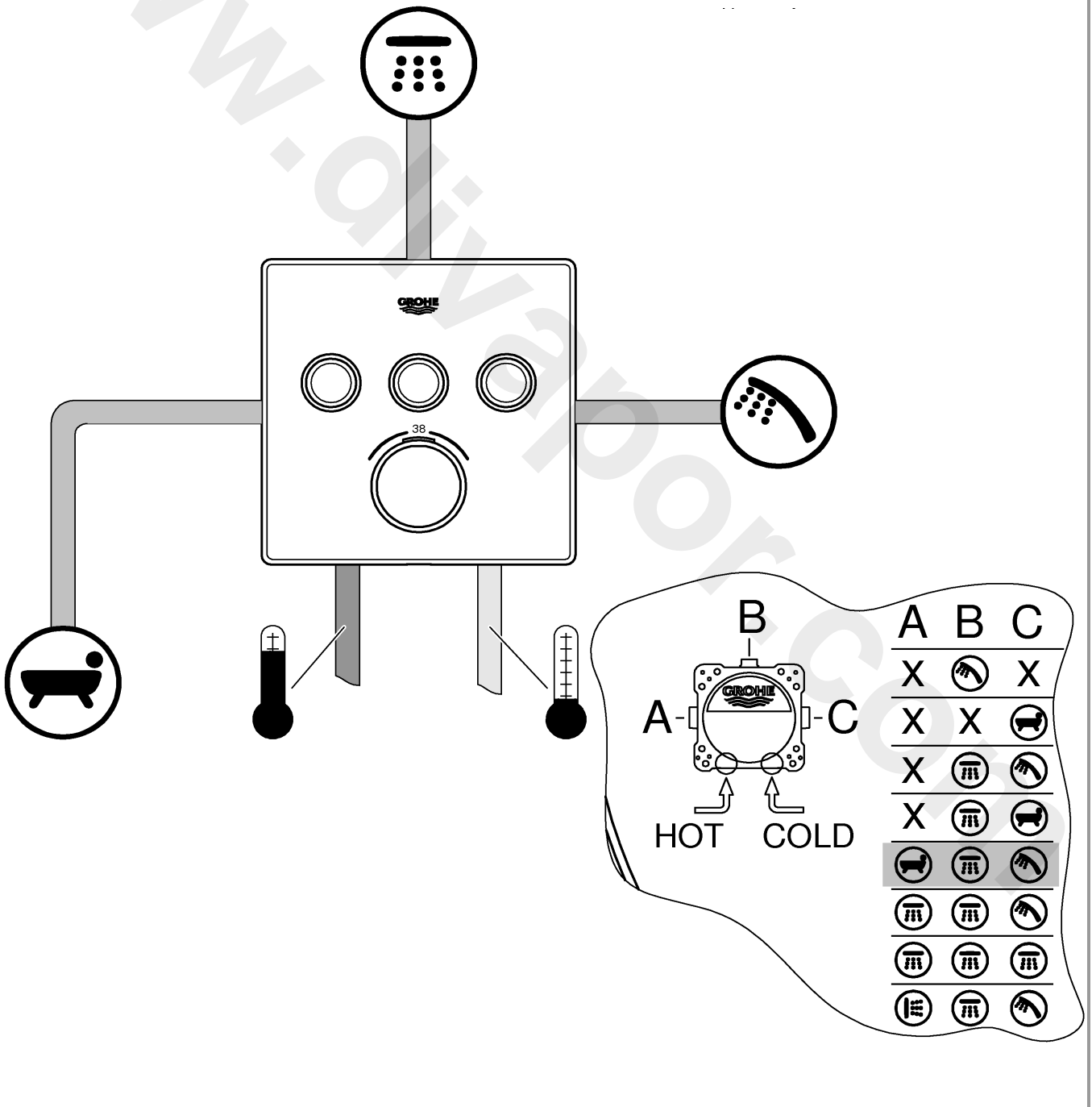
A B C	bar						l/min
	1	2	3	4	5	6	
B	13,9	19,6	24	27,7	31	33,9	
	6,9	9,8	12	13,9	15,5	17	





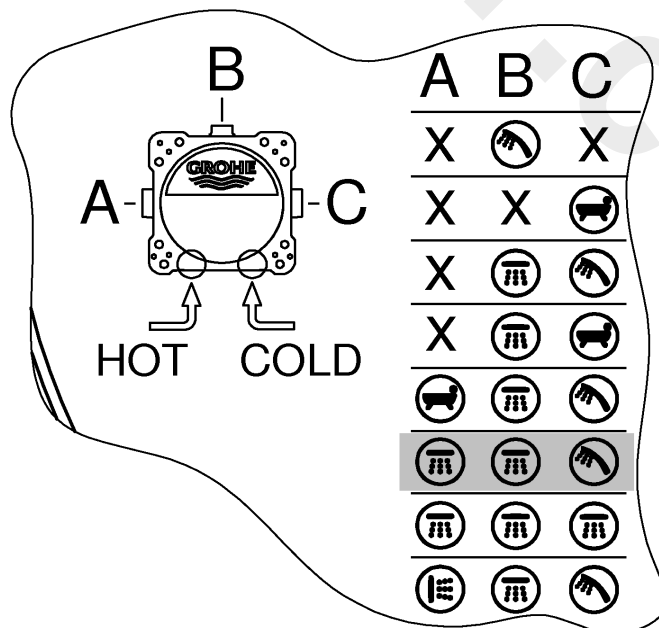
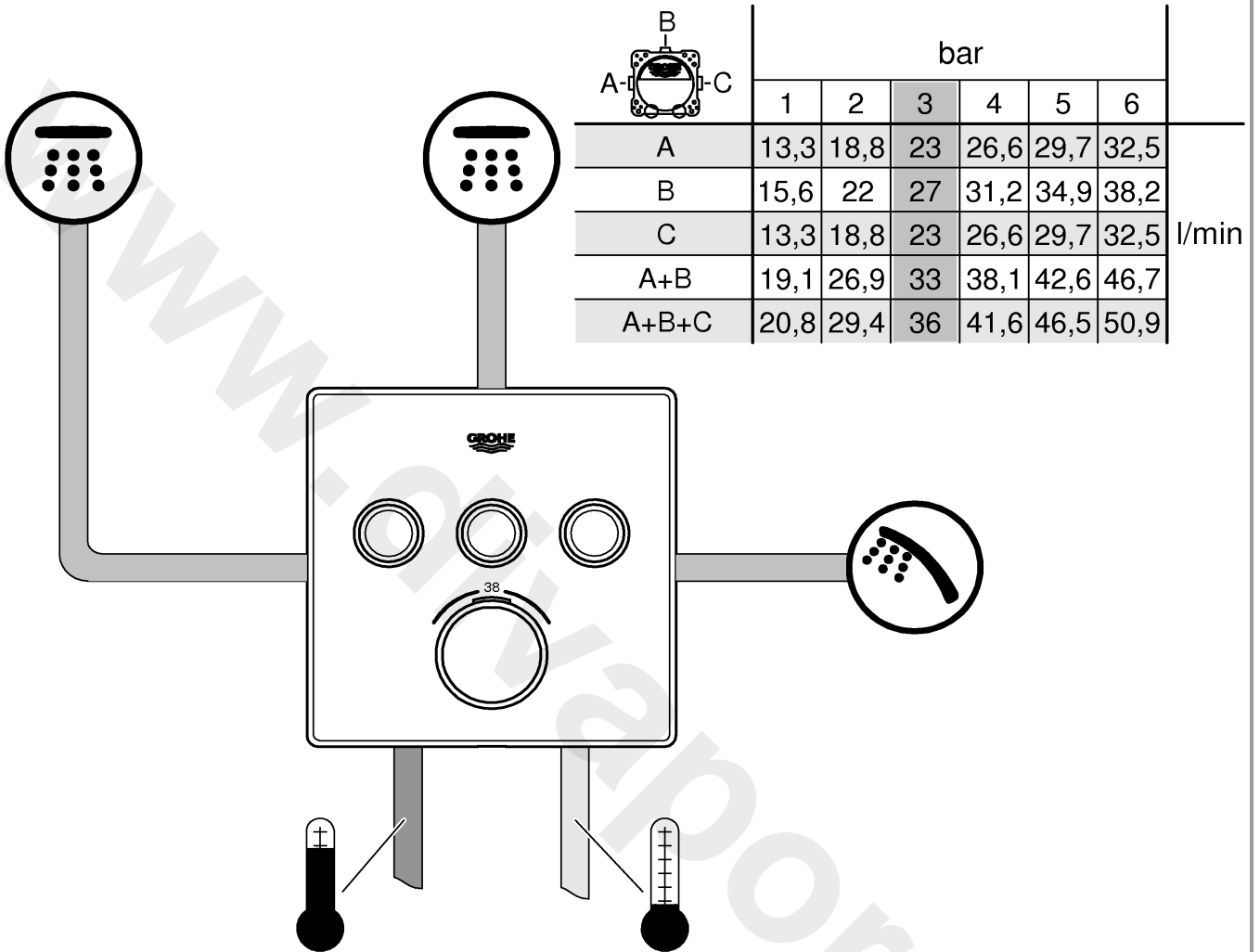
Grohtherm SmartControl

	bar						l/min
	1	2	3	4	5	6	
A	13,3	18,8	23	26,6	29,7	32,5	
B	15,6	22	27	31,2	34,9	38,2	
C	13,3	18,8	23	26,6	29,7	32,5	
A+B	19,1	26,9	33	38,1	42,6	46,7	
A+B+C	20,8	29,4	36	41,6	46,5	50,9	



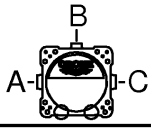


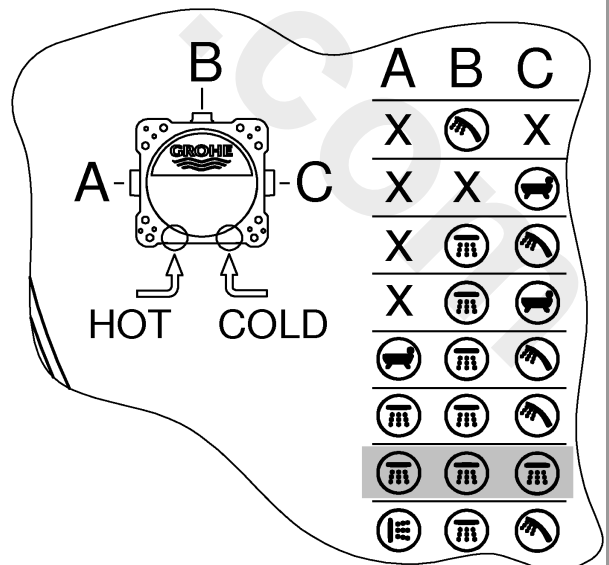
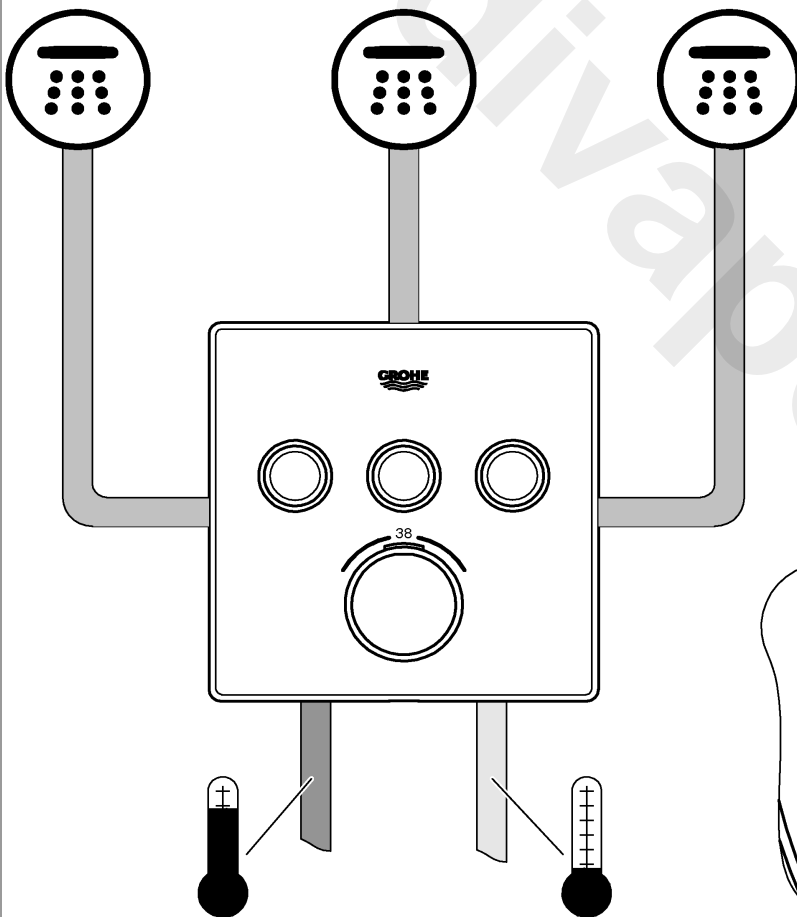
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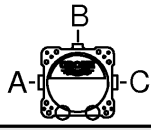
Grotherm SmartControl

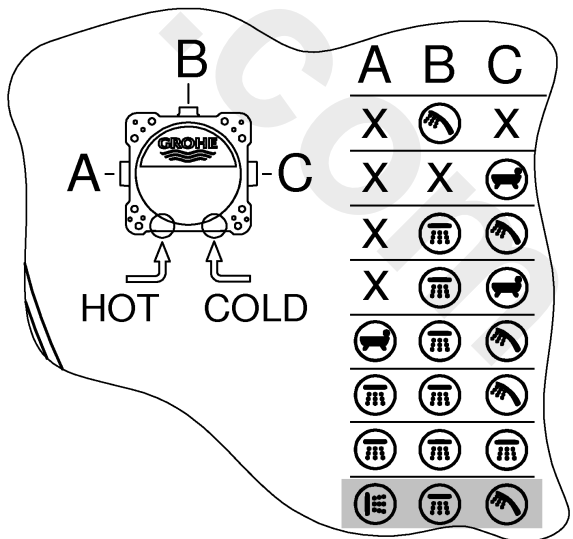
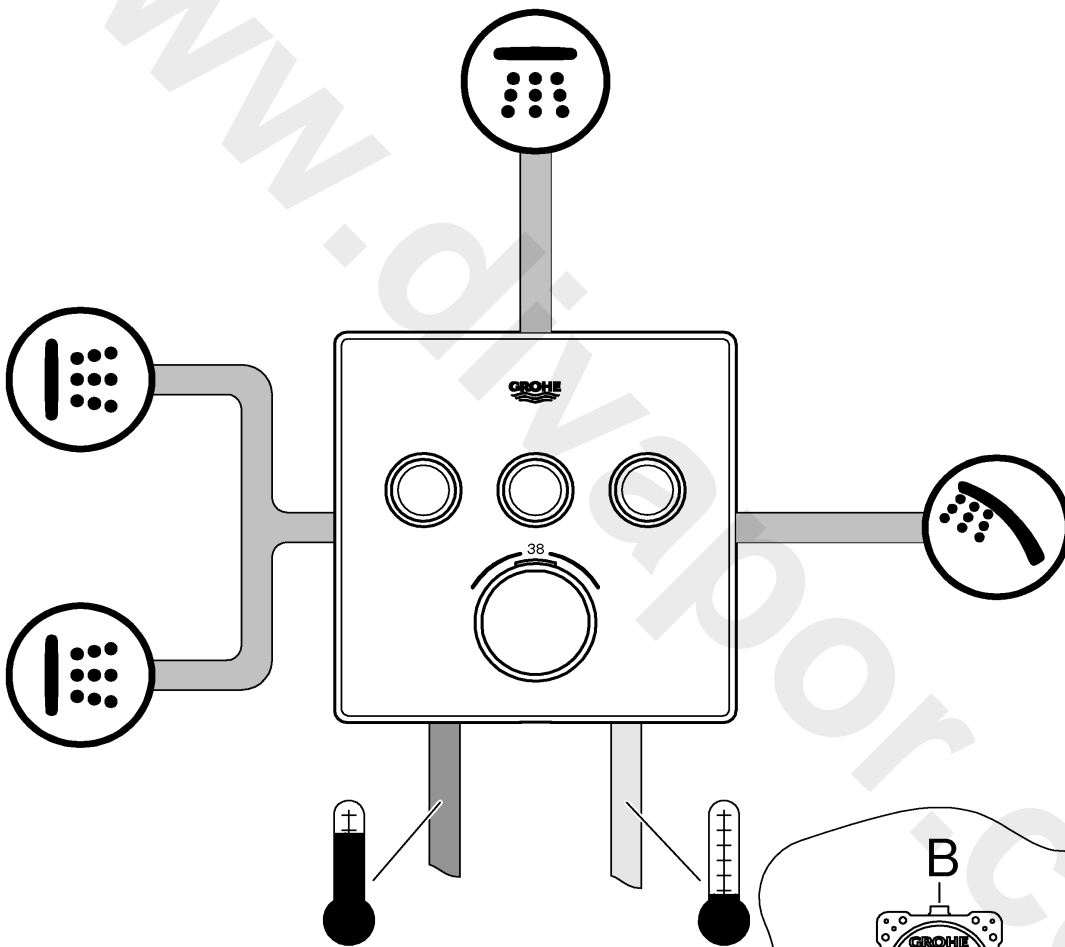
	bar						l/min
	1	2	3	4	5	6	
A	13,3	18,8	23	26,6	29,7	32,5	
B	15,6	22	27	31,2	34,9	38,2	
C	13,3	18,8	23	26,6	29,7	32,5	
A+B	19,1	26,9	33	38,1	42,6	46,7	
A+B+C	20,8	29,4	36	41,6	46,5	50,9	

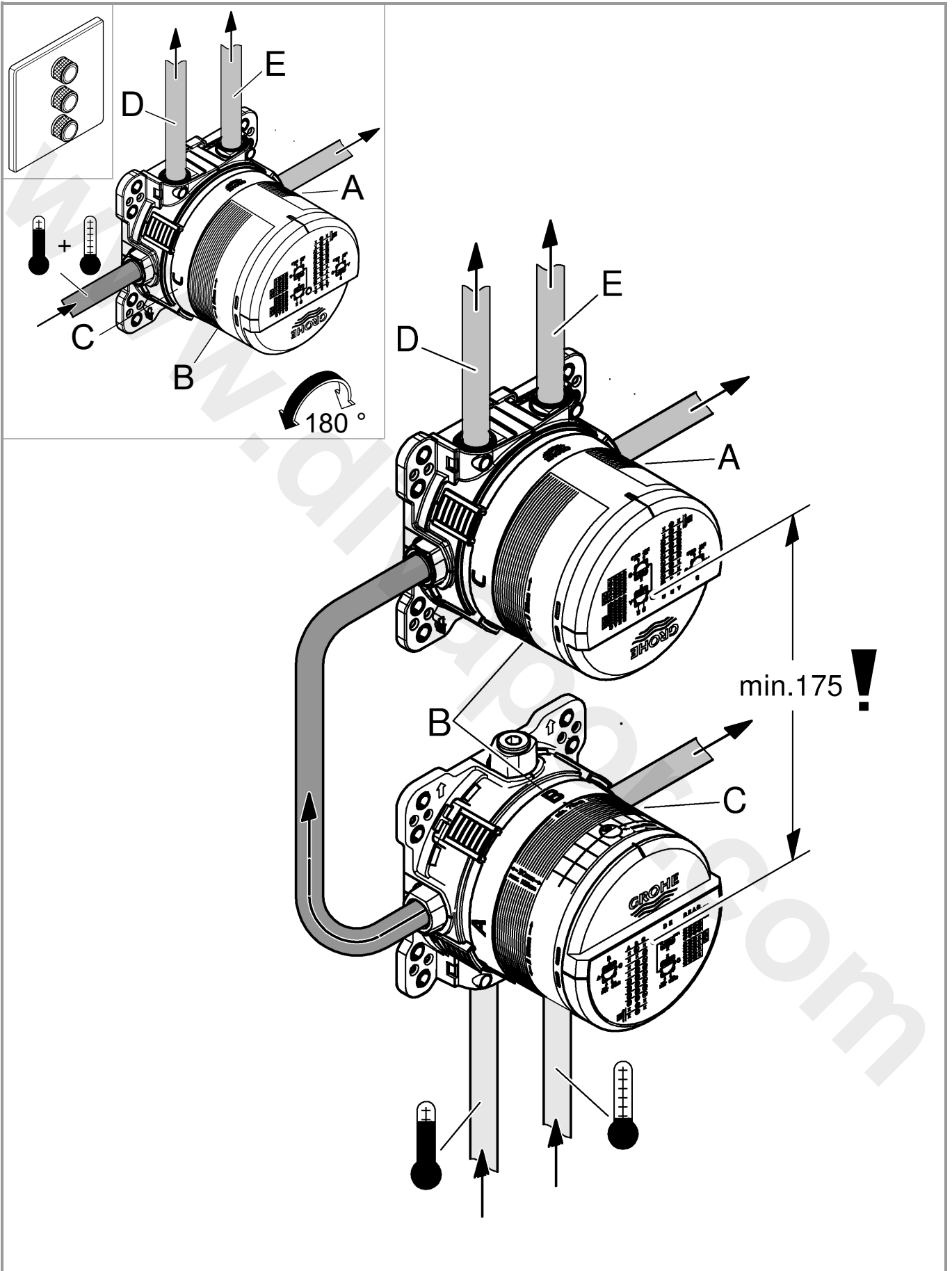




Grohtherm SmartControl

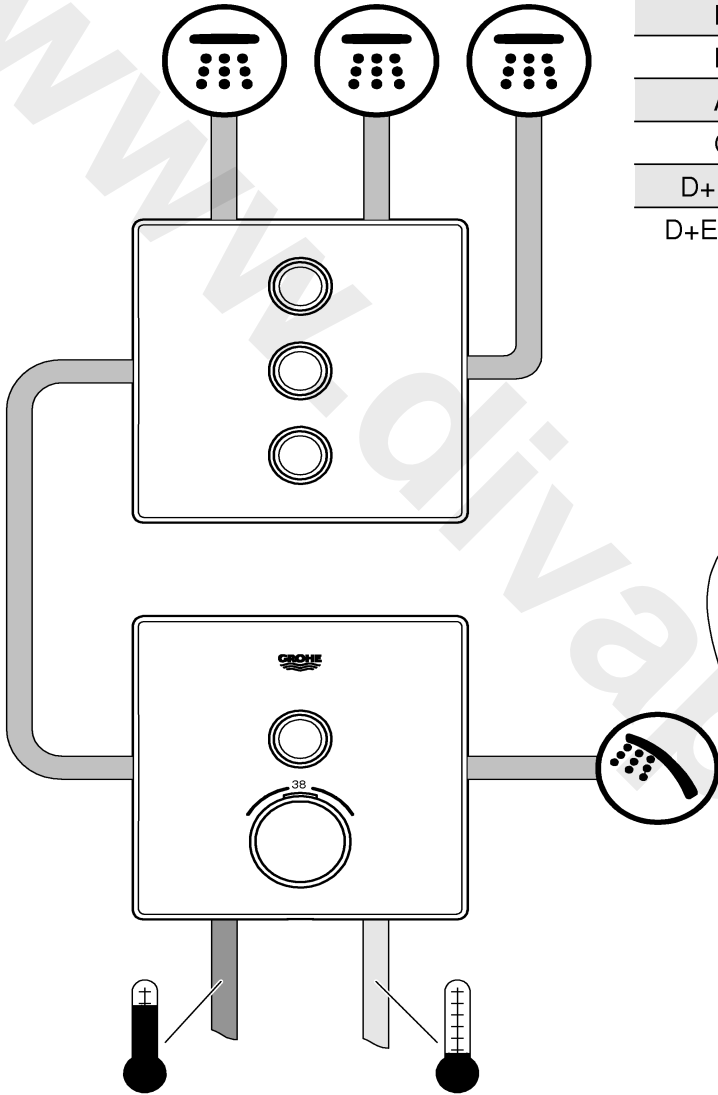
	bar						l/min
	1	2	3	4	5	6	
A	13,3	18,8	23	26,6	29,7	32,5	
B	15,6	22	27	31,2	34,9	38,2	
C	13,3	18,8	23	26,6	29,7	32,5	
A+B	19,1	26,9	33	38,1	42,6	46,7	
A+B+C	20,8	29,4	36	41,6	46,5	50,9	

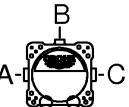


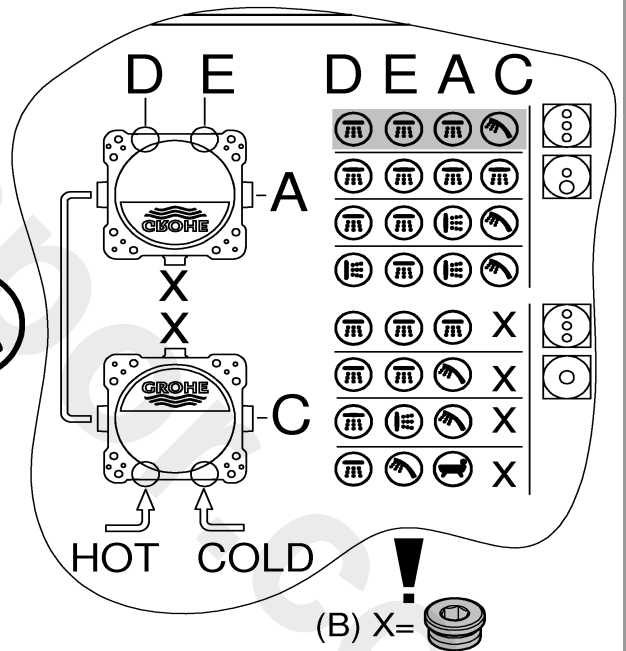




Grohtherm SmartControl

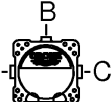


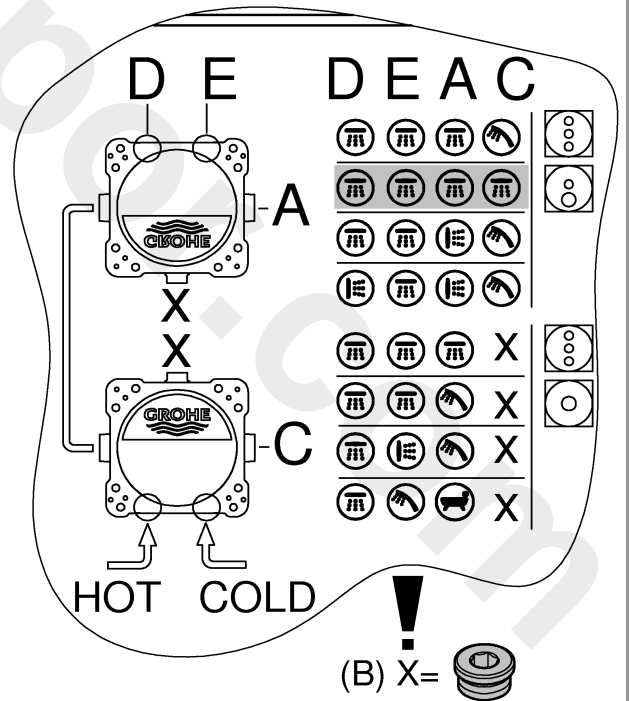
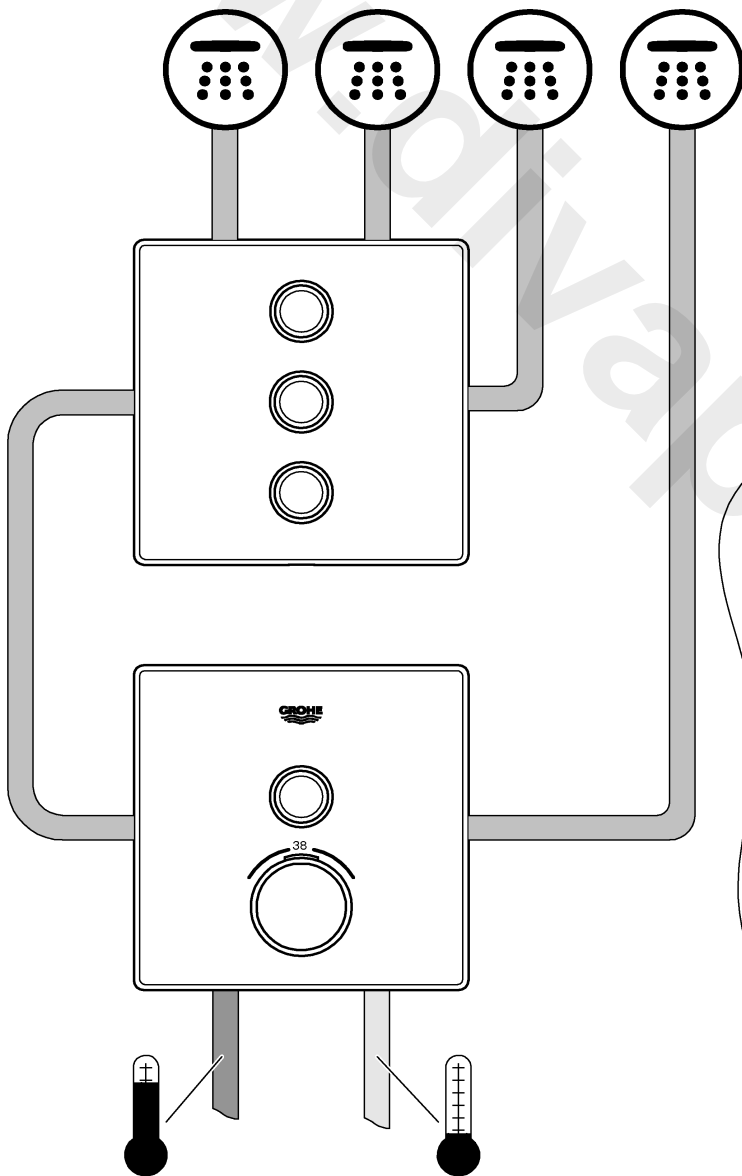
	bar						l/min
	1	2	3	4	5	6	
D	12,1	17,1	21	24,2	27,1	29,7	
E	12,1	17,1	21	24,2	27,1	29,7	
A	12,1	17,1	21	24,2	27,1	29,7	
C	16,7	23,7	29	33,5	37,4	41	
D+E+A	16,7	23,7	29	33,5	37,4	41	
D+E+A+C	20,8	29,4	36	41,6	46,5	50,9	





Grohtherm SmartControl

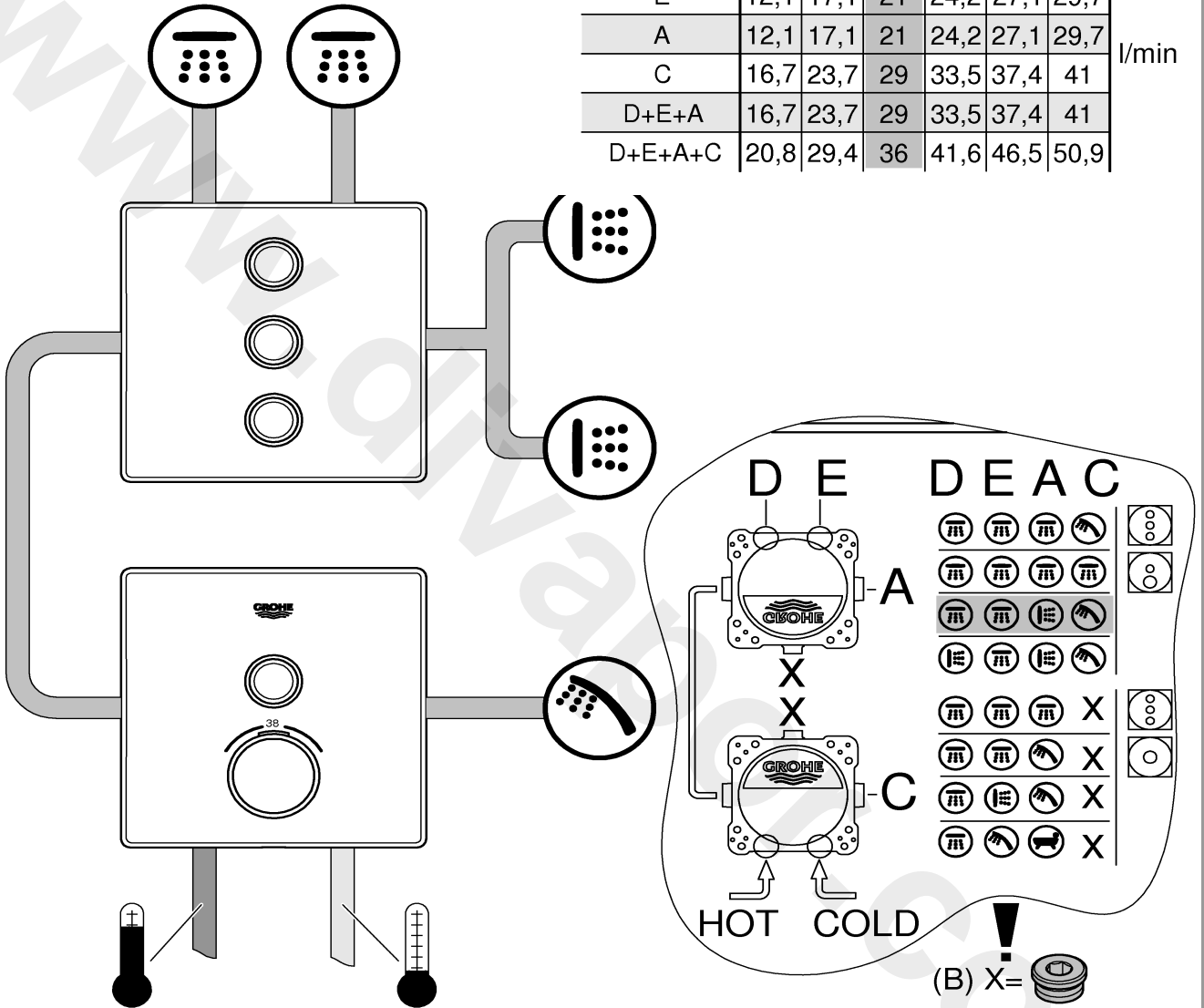
	bar						l/min
	1	2	3	4	5	6	
D	12,1	17,1	21	24,2	27,1	29,7	
E	12,1	17,1	21	24,2	27,1	29,7	
A	12,1	17,1	21	24,2	27,1	29,7	
C	16,7	23,7	29	33,5	37,4	41	
D+E+A	16,7	23,7	29	33,5	37,4	41	
D+E+A+C	20,8	29,4	36	41,6	46,5	50,9	





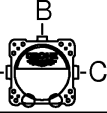
Grohtherm SmartControl

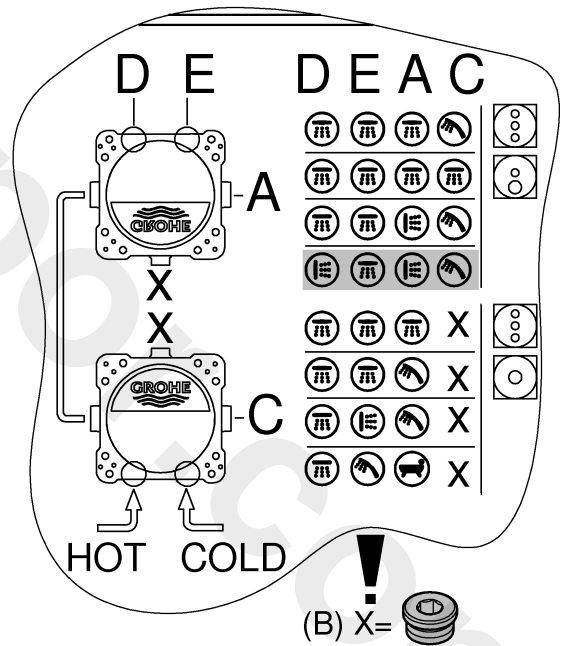
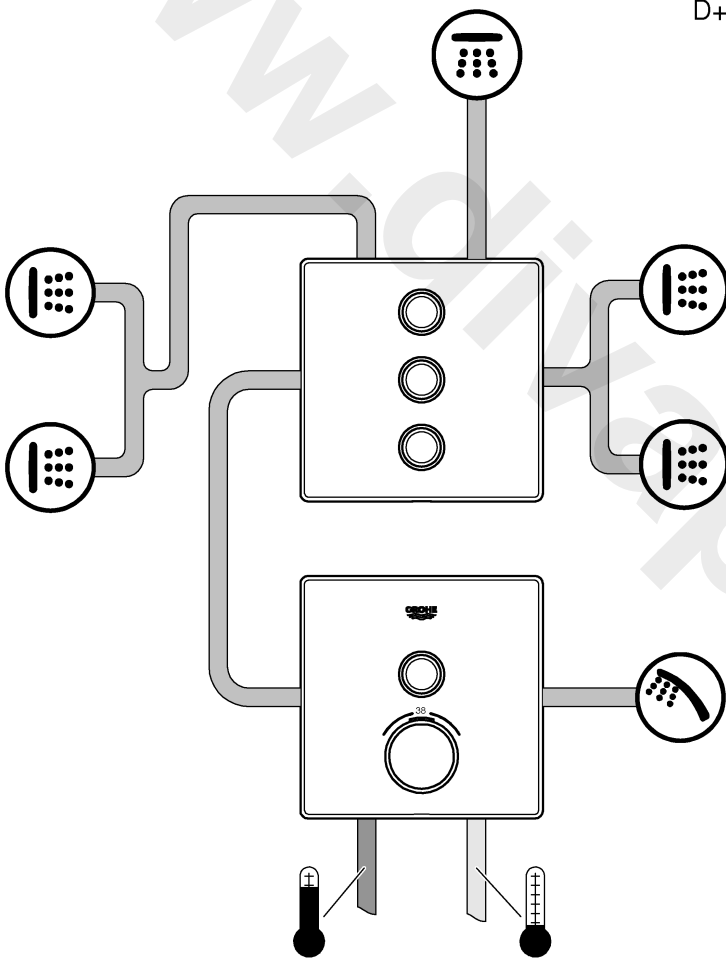
	bar						l/min
	1	2	3	4	5	6	
D	12,1	17,1	21	24,2	27,1	29,7	
E	12,1	17,1	21	24,2	27,1	29,7	
A	12,1	17,1	21	24,2	27,1	29,7	
C	16,7	23,7	29	33,5	37,4	41	
D+E+A	16,7	23,7	29	33,5	37,4	41	
D+E+A+C	20,8	29,4	36	41,6	46,5	50,9	





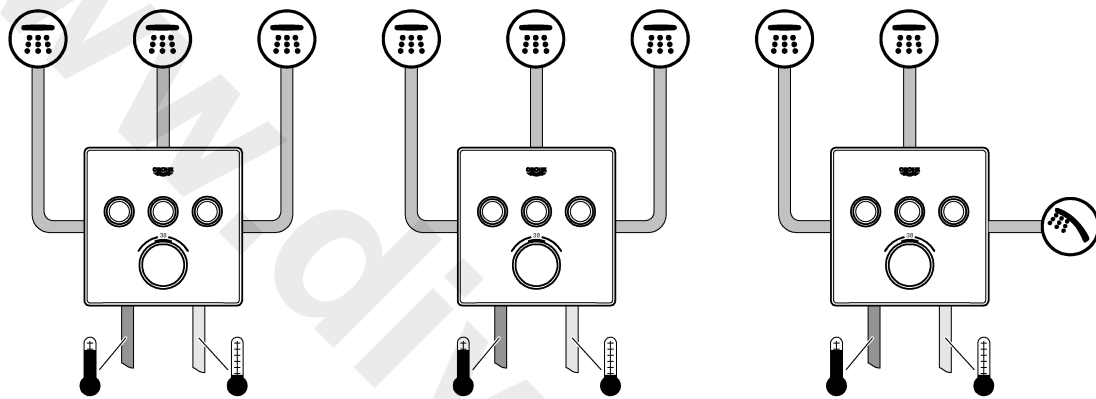
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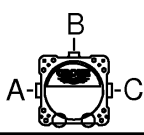
	bar						l/min
	1	2	3	4	5	6	
D	12,1	17,1	21	24,2	27,1	29,7	
E	12,1	17,1	21	24,2	27,1	29,7	
A	12,1	17,1	21	24,2	27,1	29,7	
C	16,7	23,7	29	33,5	37,4	41	
D+E+A	16,7	23,7	29	33,5	37,4	41	
D+E+A+C	20,8	29,4	36	41,6	46,5	50,9	





Aquasymphony



	bar					
	1	2	3	4	5	6
A	13,3	18,8	23	26,6	29,7	32,5
B	15,6	22	27	31,2	34,9	38,2
C	13,3	18,8	23	26,6	29,7	32,5
A+B	19,1	26,9	33	38,1	42,6	46,7
A+B+C	20,8	29,4	36	41,6	46,5	50,9

l/min

CN**SmartControl Mixer 技术规格**

- 水流压力
- 无 0.5 巴
- 推荐值 1.5-5 巴
- 温度
- 热水入水口 最高 70 °C
- 节能建议值 60 °C
- 可采用温控消毒

无下游阻力情况下的流量，请参见第 29-37 页。在确定出水口尺寸规格时必须遵循此等要求！

- 推荐配置选项，见第 29-37 页。

提供以下特殊零件：

- 接长节 25mm (产品号：14 048)
- 安全设备，仅需在采用双阀时使用 (产品号：14 055)

截止阀 (产品号：14 053)

GB**Technical specifications SmartControl Mixer**

- Flow pressure
- Min. 0.5 bar
- Recommended 1.5 – 5 bar
- Temperature
- Hot water inlet max. 70 °C
- Recommended for energy saving 60 °C
- Thermal disinfection possible

Flow rates without downstream resistances, see page 29-37. **These are to be observed when dimensioning the outlet!**

- Recommended configuration options, see from page 29-37.

The following special accessories are available:

- Extension 25mm (prod. no.: 14 048)
- Safety device, only in combination with two valves (prod. no.: 14 055)
- Isolating valves (prod. no.: 14 053)

D**Technische Daten SmartControl Mixer**

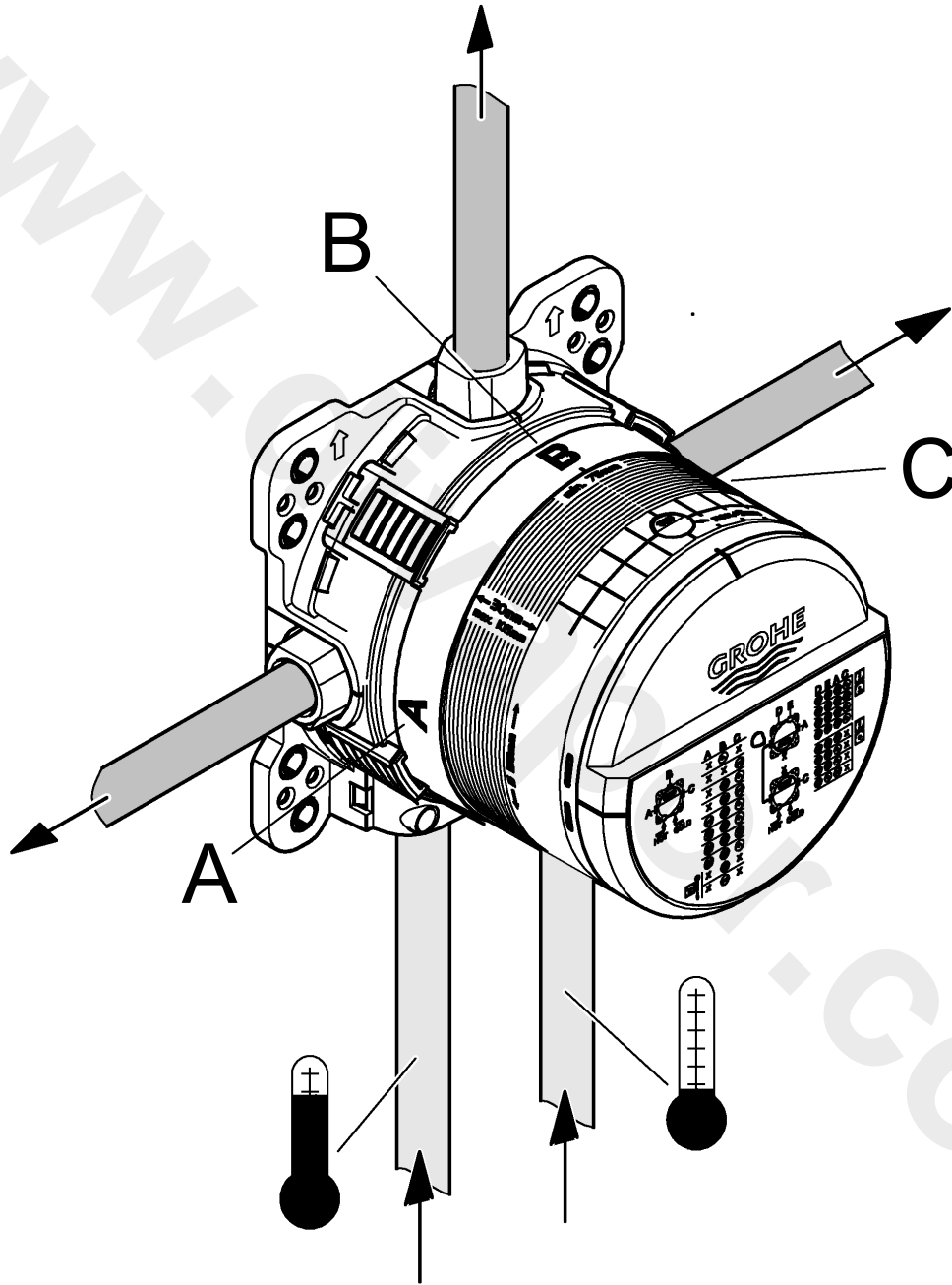
- Fließdruck
- Min. 0,5 bar
- Empfohlen 1,5 - 5 bar
- Temperatur
- Warmwassereingang max. 70 °C
- Zur Energieeinsparung empfohlen 60 °C
- Thermische Desinfektion möglich

Durchflüsse ohne nachgeschaltete Widerstände, siehe Seite 29-37. **Diese sind bei der Dimensionierung des Abflusses zu beachten!**

- empfehlende Konfigurationsmöglichkeiten, siehe ab Seite 29-37.

Folgende Sonderzubehöre sind erhältlich:

- Verlängerung 25mm (Best.-Nr.: 14 048)
- Sicherheitseinrichtung, nur in Verbindung mit zwei Ventilen (Best.-Nr.: 14 055)
- Vorabsperungen (Best.-Nr.: 14 053)

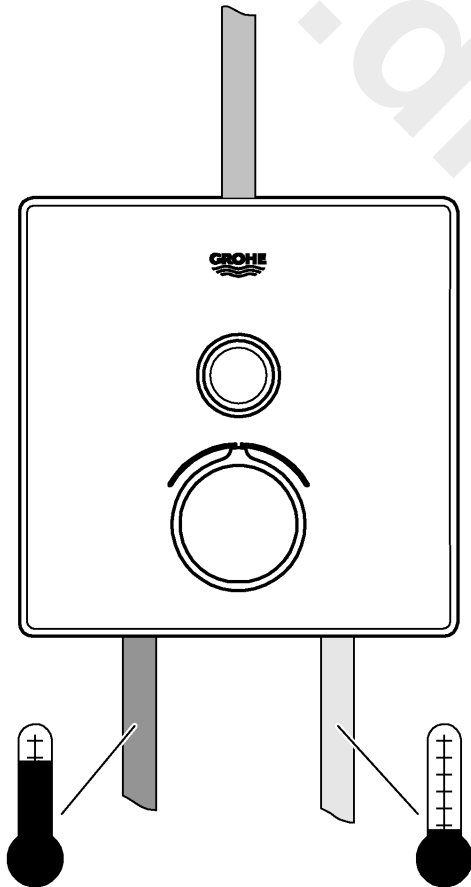




SmartControl Mixer



A-C	bar						l/min
	1	2	3	4	5	6	
B	15,6	22	27	31,2	34,9	38,2	

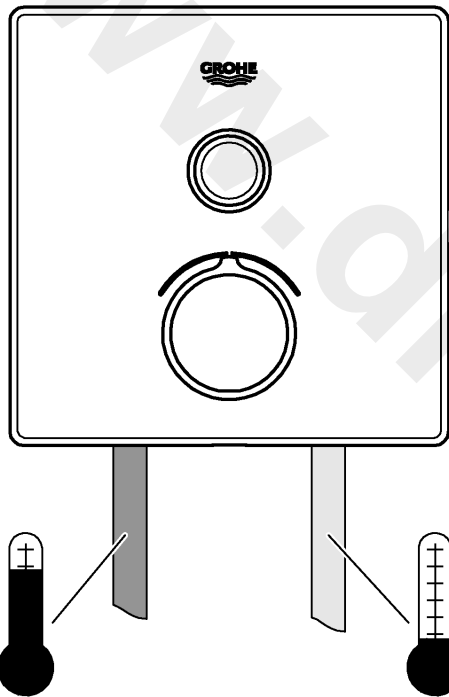


	A	B	C
X		X	
X	X	X	
X			
X			

(A+C) X=



SmartControl Mixer



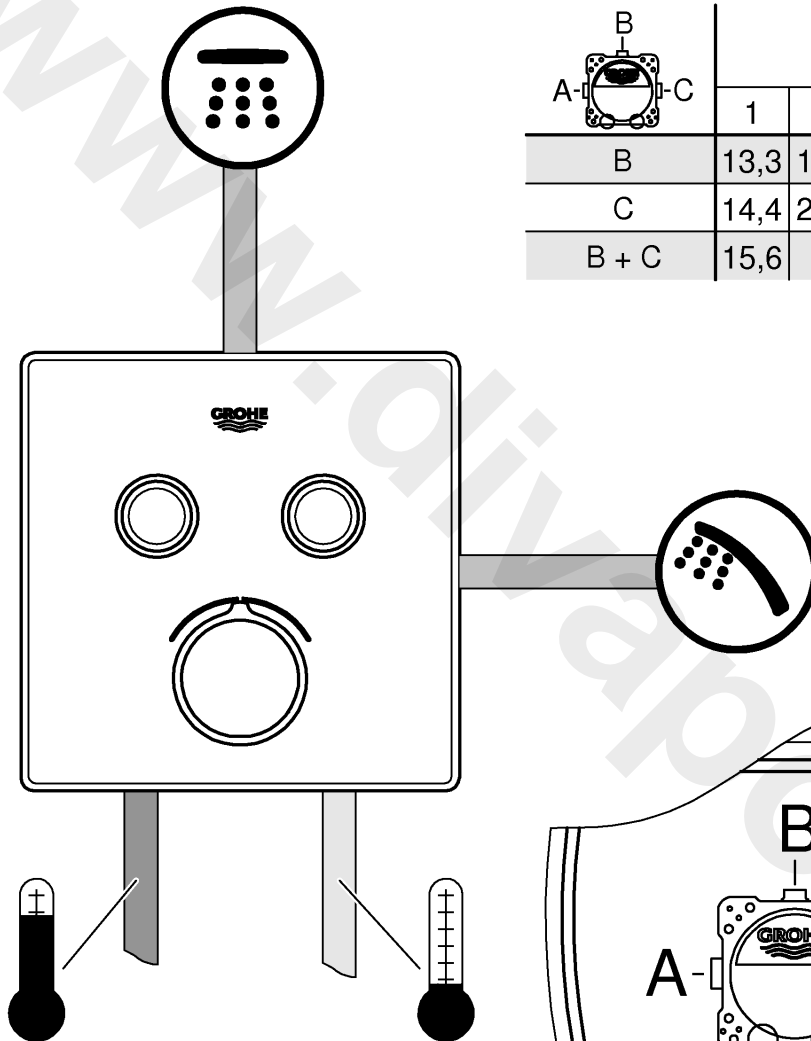
A-C	bar						l/min
	1	2	3	4	5	6	
C	15,6	22	27	31,2	34,9	38,2	

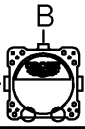
A	B	C
X		X
X	X	
X		
X		

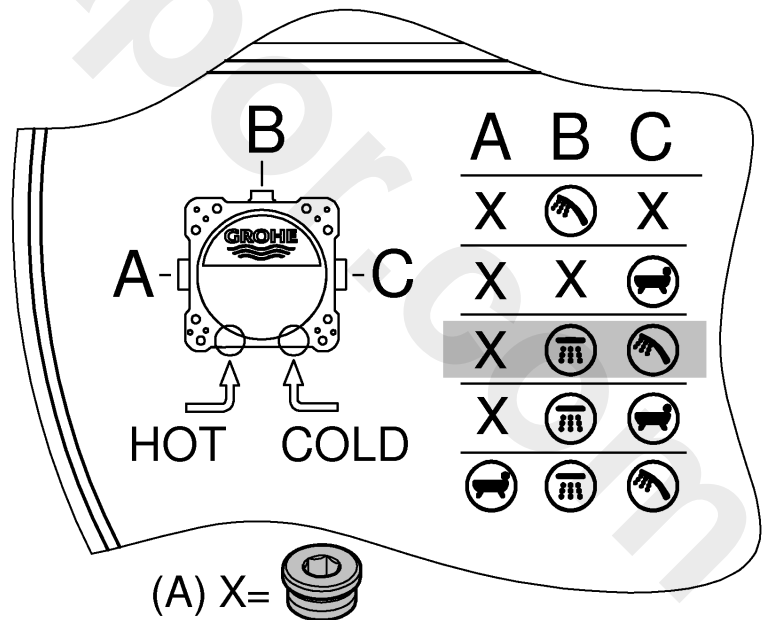
(A+B) X=



SmartControl Mixer

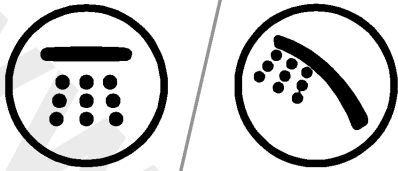


A-  -C	bar						l/min
	1	2	3	4	5	6	
B	13,3	18,8	23	26,6	29,7	32,5	
C	14,4	20,4	25	28,9	32,3	35,4	
B + C	15,6	22	27	31,2	34,9	38,2	

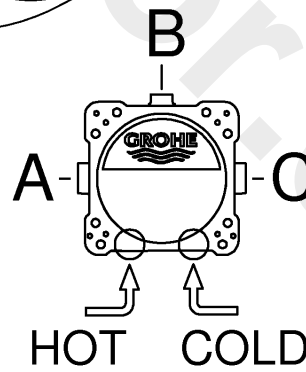
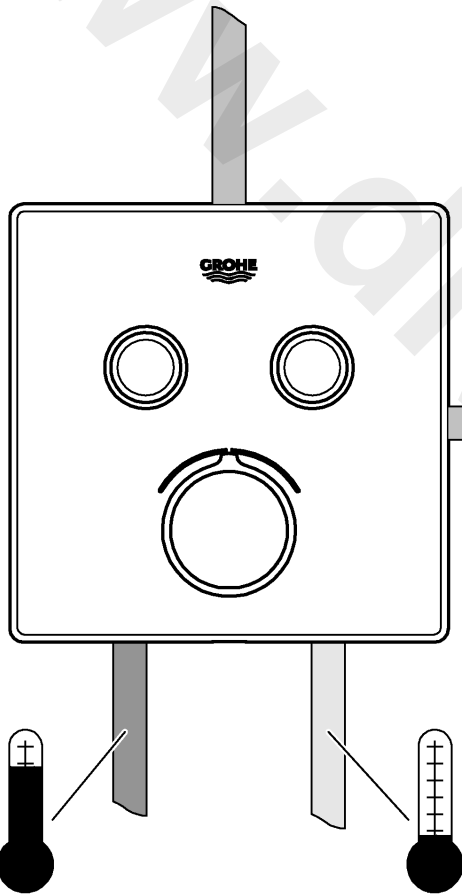




SmartControl Mixer



A- B C	bar						l/min
	1	2	3	4	5	6	
B	13,3	18,8	23	26,6	29,7	32,5	
C	14,4	20,4	25	28,9	32,3	35,4	
B + C	15,6	22	27	31,2	34,9	38,2	

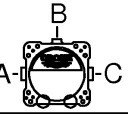


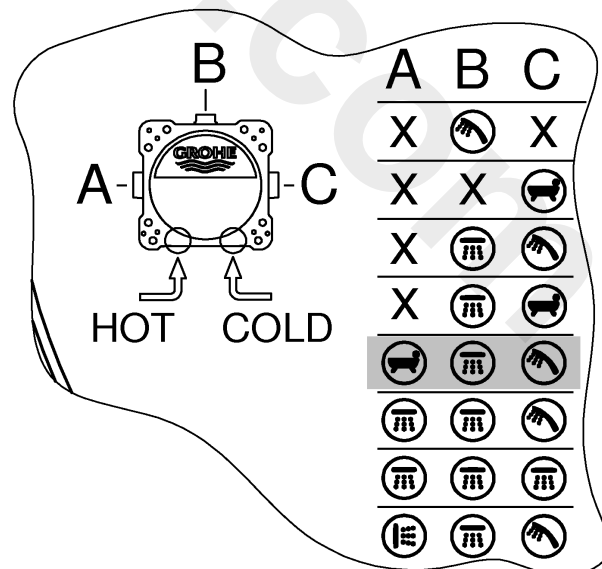
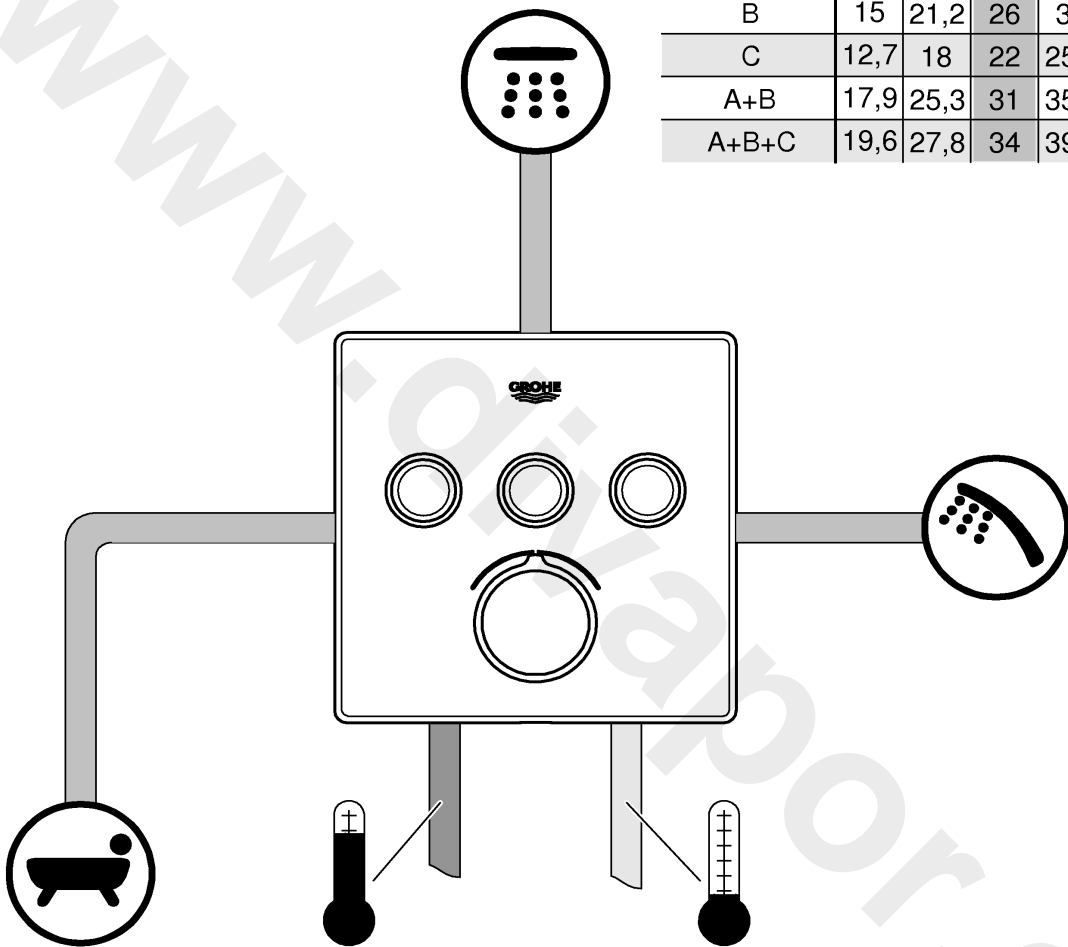
	A	B	C
X	X		X
X	X	X	
X			
X			

(A) X=



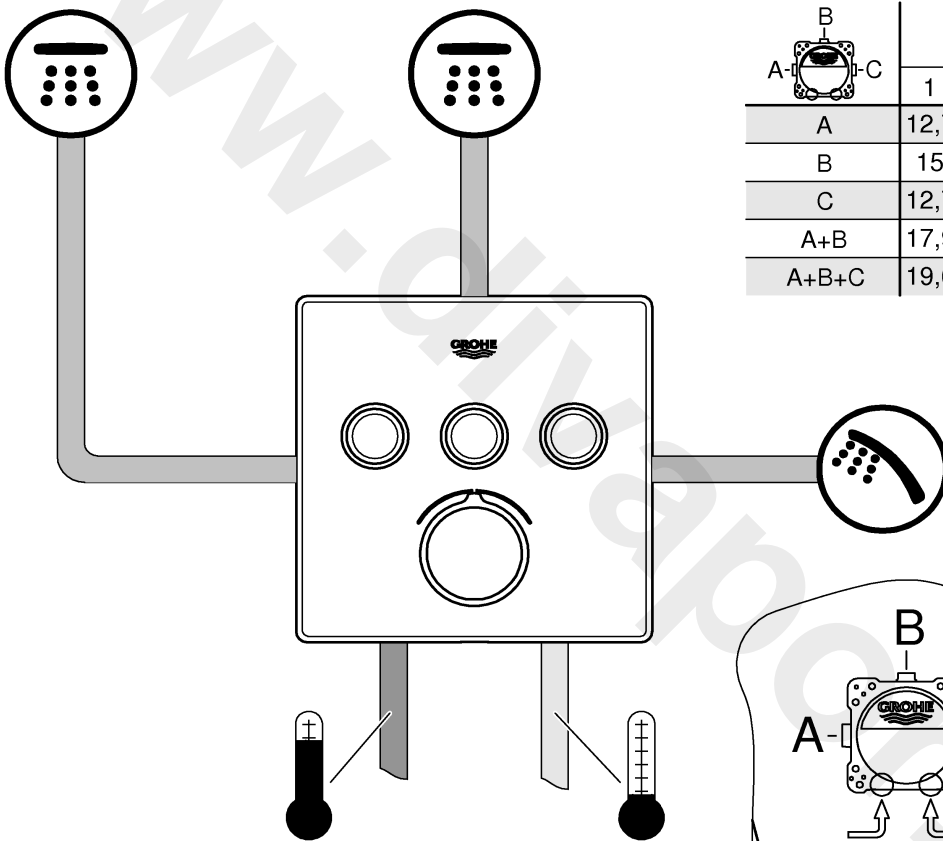
SmartControl Mixer


	bar						l/min
	1	2	3	4	5	6	
A	12,7	18	22	25,4	28,4	31,1	
B	15	21,2	26	30	33,6	36,8	
C	12,7	18	22	25,4	28,4	31,1	
A+B	17,9	25,3	31	35,8	40	43,8	
A+B+C	19,6	27,8	34	39,3	43,9	48,1	

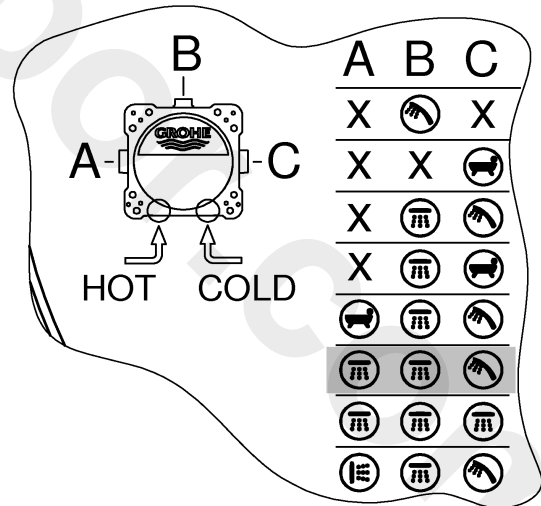




SmartControl Mixer

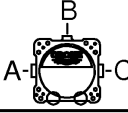


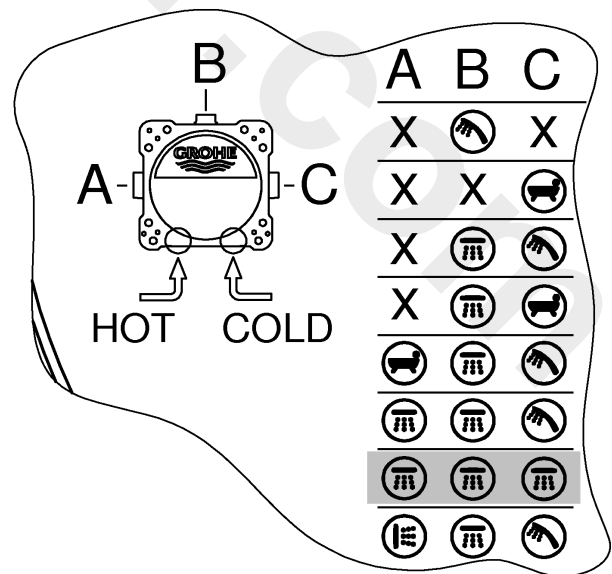
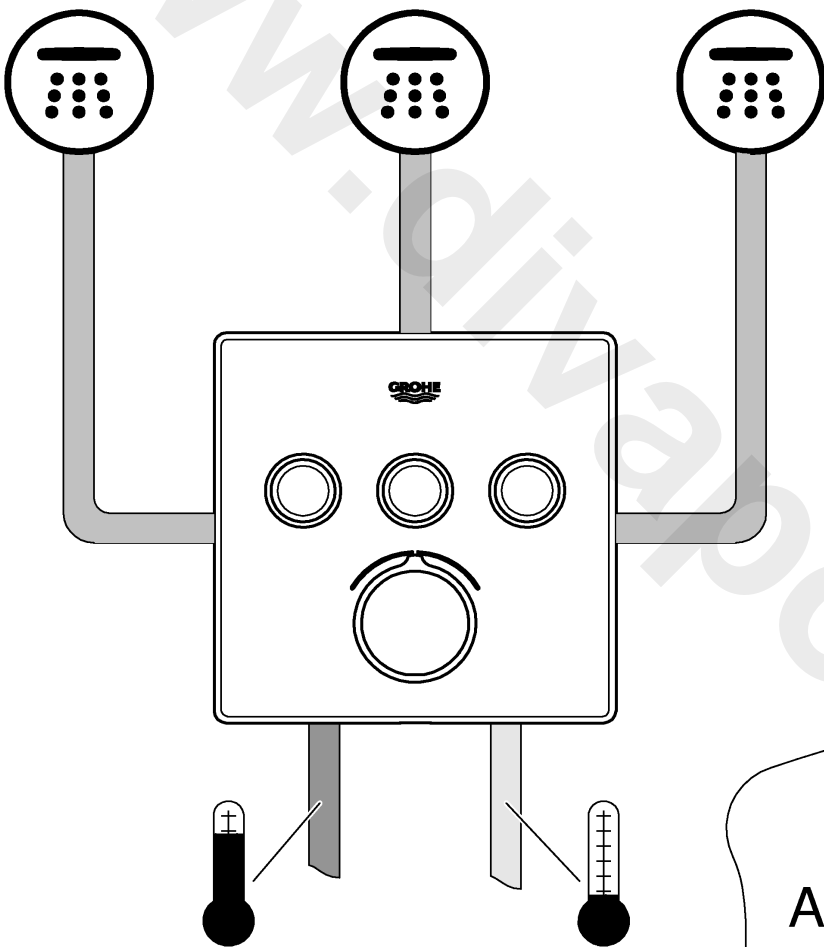
A-  -C	bar						l/min
	1	2	3	4	5	6	
A	12,7	18	22	25,4	28,4	31,1	
B	15	21,2	26	30	33,6	36,8	
C	12,7	18	22	25,4	28,4	31,1	
A+B	17,9	25,3	31	35,8	40	43,8	
A+B+C	19,6	27,8	34	39,3	43,9	48,1	





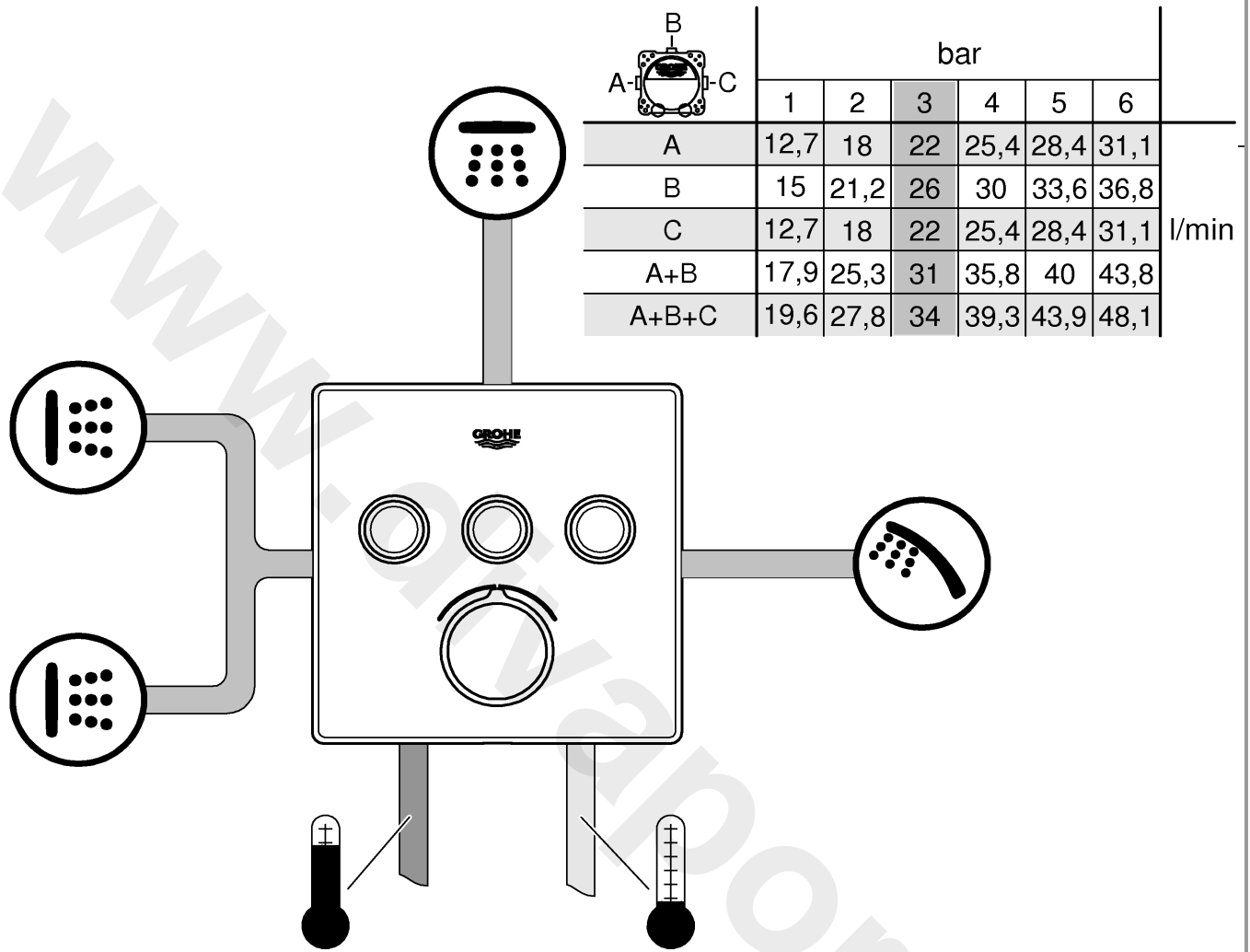
SmartControl Mixer

	bar						l/min
	1	2	3	4	5	6	
A	12,7	18	22	25,4	28,4	31,1	
B	15	21,2	26	30	33,6	36,8	
C	12,7	18	22	25,4	28,4	31,1	
A+B	17,9	25,3	31	35,8	40	43,8	
A+B+C	19,6	27,8	34	39,3	43,9	48,1	

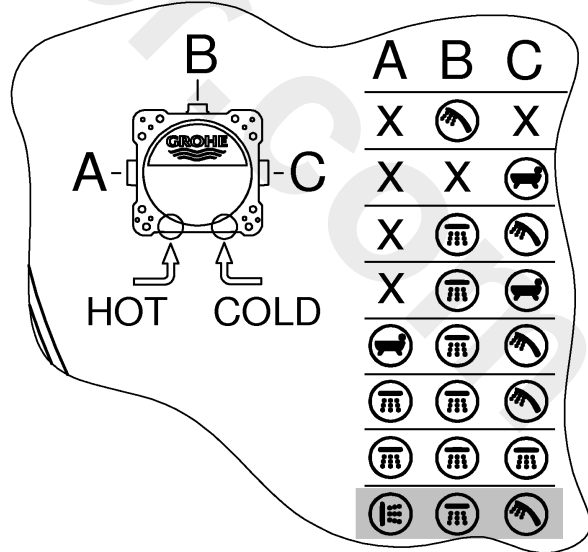




SmartControl Mixer



A-B-C	bar						l/min
	1	2	3	4	5	6	
A	12,7	18	22	25,4	28,4	31,1	
B	15	21,2	26	30	33,6	36,8	
C	12,7	18	22	25,4	28,4	31,1	
A+B	17,9	25,3	31	35,8	40	43,8	
A+B+C	19,6	27,8	34	39,3	43,9	48,1	



CN**Single-Lever-Mixer 技术规格**

- 水流压力 0.5 巴
- 推荐使用 1-5 巴
- 温度
- 热水进水管 最高 70 °C
- 推荐使用 (节能) 60 °C
- 可进行温控消毒

无下游阻力时的流量，参见第 39-45 页。**测定出水口尺寸时应遵循这些规定！**

- 推荐配置选项，见第 39-45 页。

可提供以下特殊配件：

- 接长节 25 毫米 (产品号：14 056)
- 接长节 50 毫米 (产品号：14 057)
- 安全设备，仅与二路分水器一起使用 (产品号：14055)

D**Technische Daten Single-Lever-Mixer**

- Fließdruck 0,5 bar
- Empfohlen 1 - 5 bar
- Temperatur
- Warmwassereingang max. 70 °C
- Zur Energieeinsparung empfohlen 60 °C
- Thermische Desinfektion möglich

Durchflüsse ohne nachgeschaltete Widerstände, siehe Seite 39-45. **Diese sind bei der Dimensionierung des Abflusses zu beachten!**

- empfohlene Konfigurationsmöglichkeiten, siehe ab Seite 39-45.

Folgende Sonderzubehöre sind erhältlich:

- Verlängerung 25mm (Best.-Nr.: 14 056)
- Verlängerung 50mm (Best.-Nr.: 14 057)

Sicherheitseinrichtung, nur in Verbindung mit 2-Wege Umstellung (Best.-Nr.: 14055)

GB**Technical specifications Single-Lever-Mixer**

- Flow pressure 0.5 bar
- Recommended 1-5 bar
- Temperature
- Hot water supply max. 70 °C
- Recommended for energy saving 60 °C
- Thermal disinfection possible

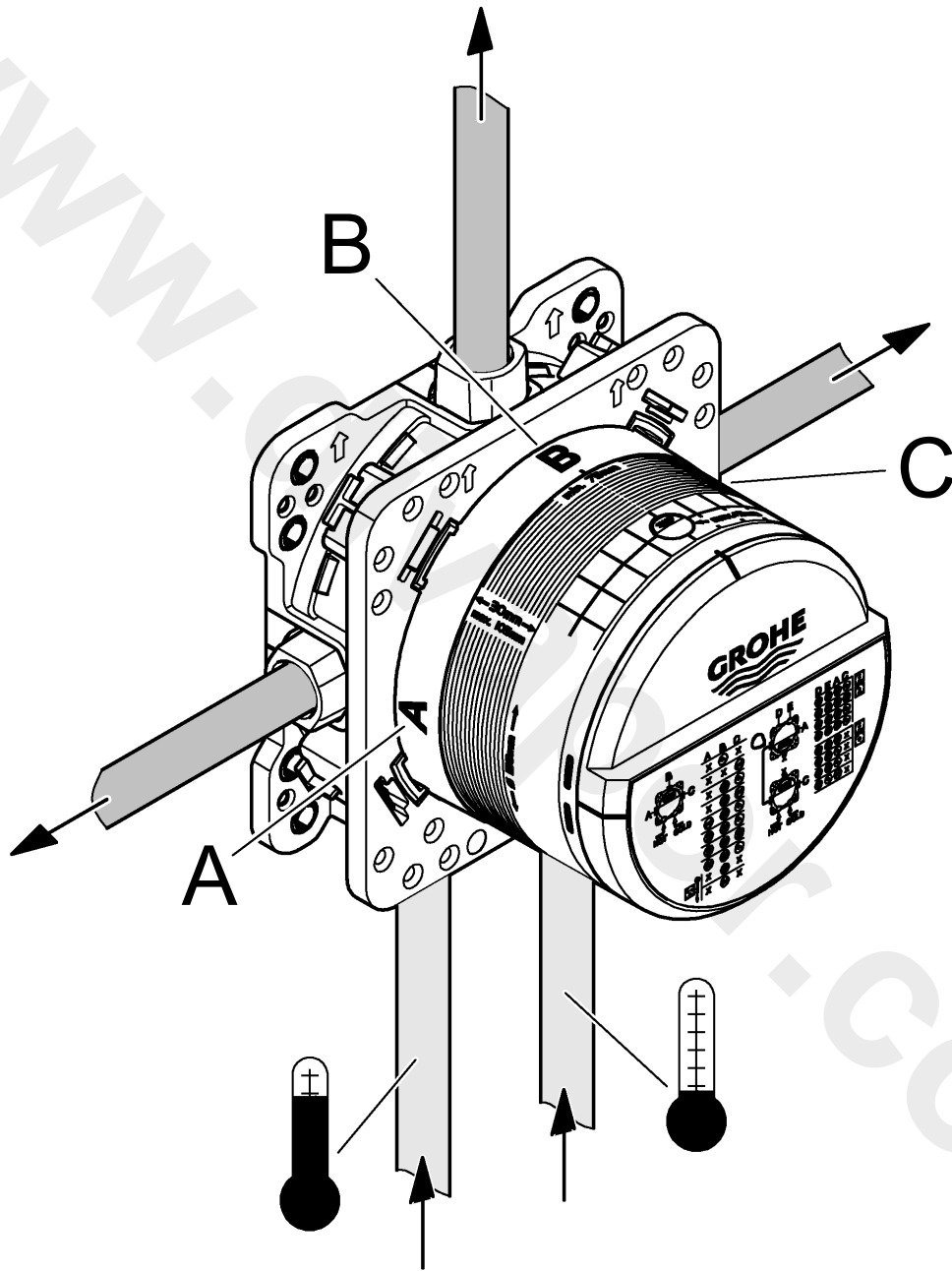
Flow rates without downstream resistances, see page 39-45.

These should be observed when dimensioning the outlet!

- Recommended configuration options, see from page 39-45.

The following special accessories are available:

- Extension 25mm (prod. no.: 14 056)
- Extension 50mm (prod. no.: 14 057)
- Safety device, only in combination with 2-way diverter (prod. no.: 14055)
- două căi (nr. catalog: 14055)

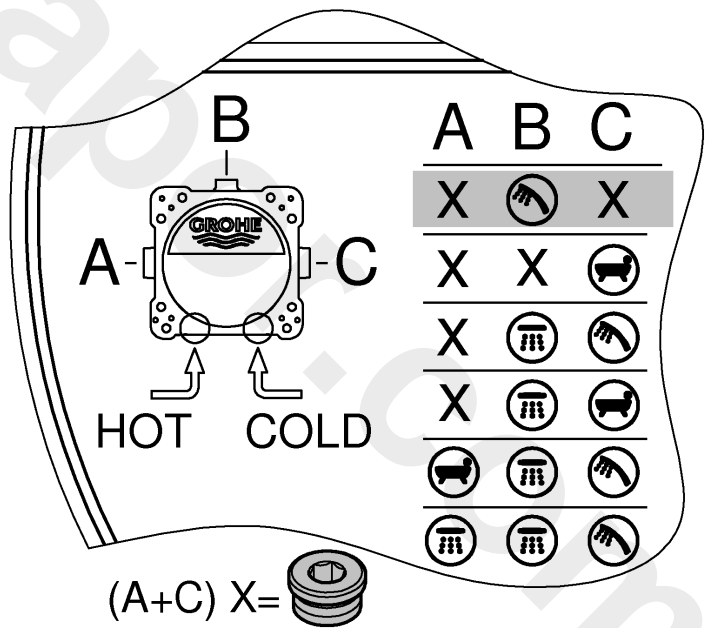
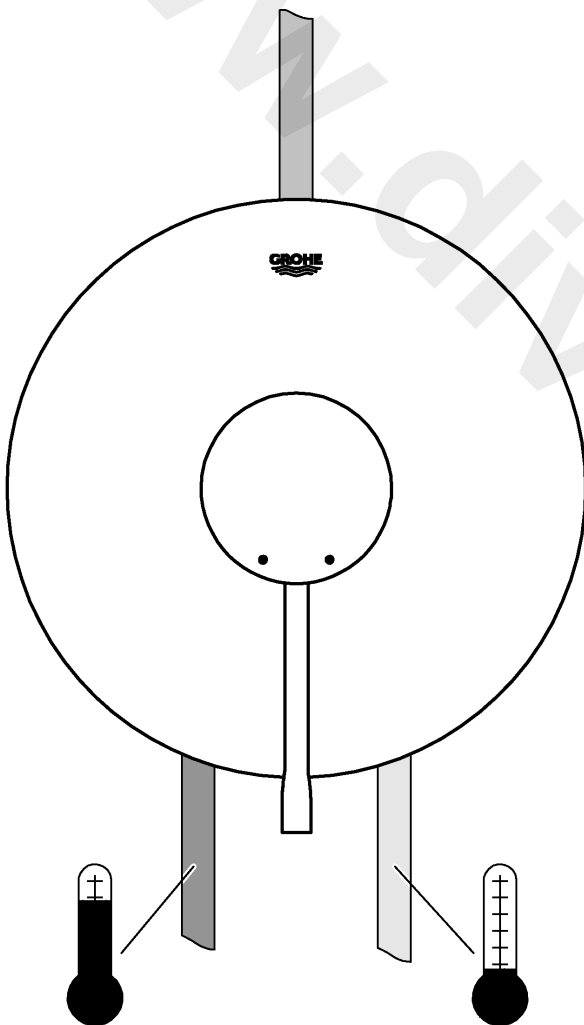




Single-Lever-Mixer

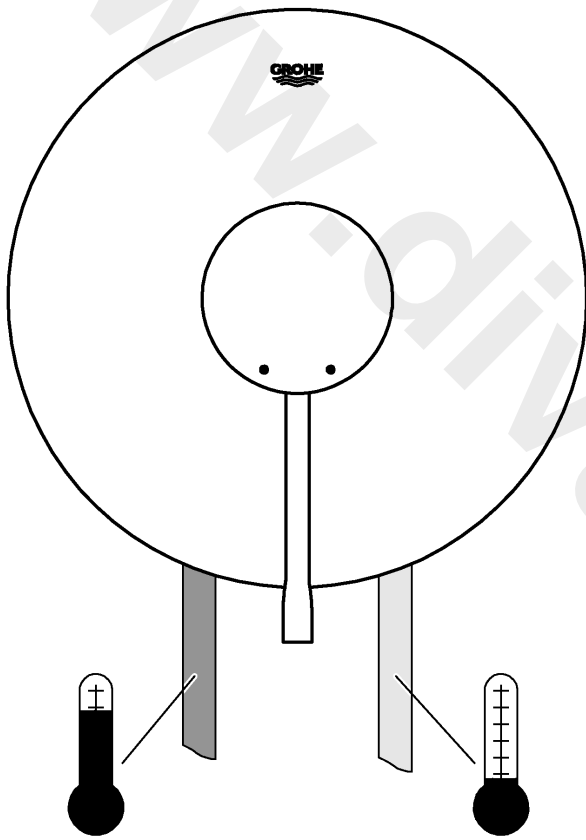


A-C	bar						l/min
	1	2	3	4	5	6	
B	17	24,5	30	34,5	38,5	42	





Single-Lever-Mixer



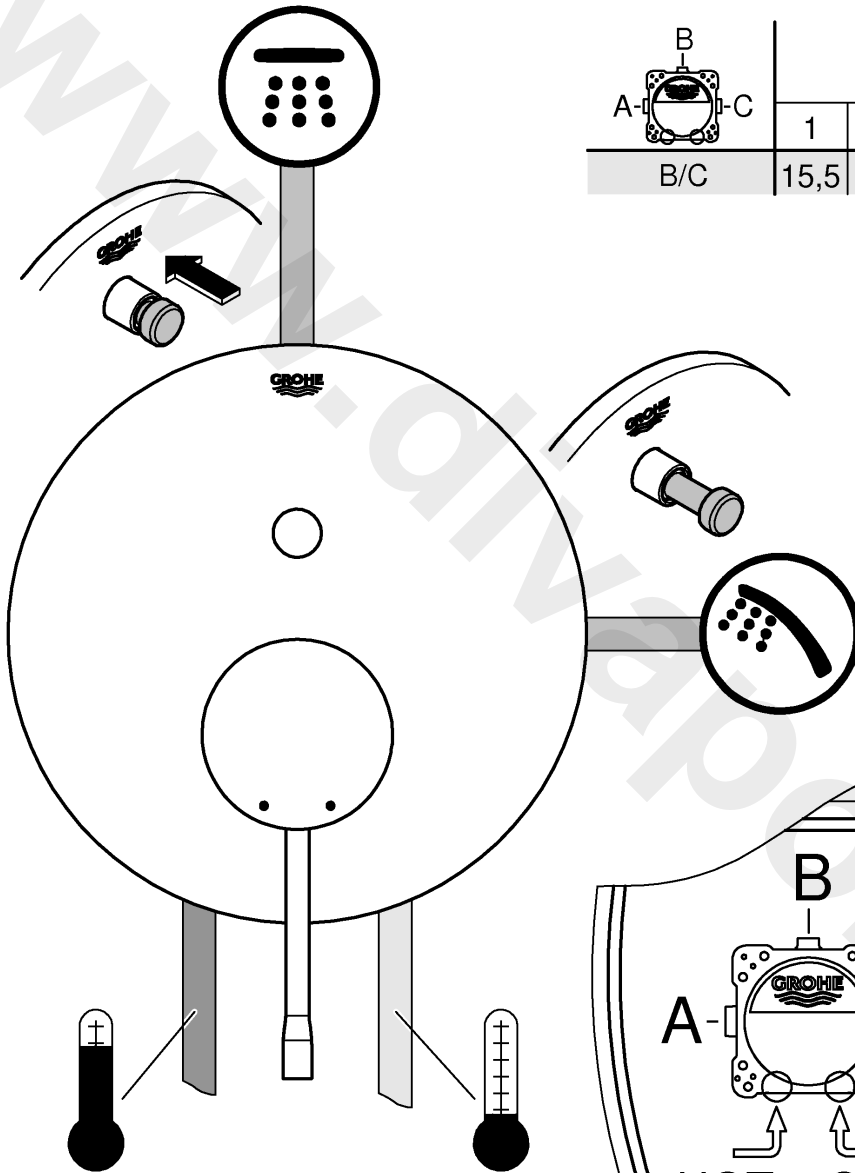
	bar						l/min
	1	2	3	4	5	6	
C	17	24,5	30	34,5	38,5	42	

	A	B	C
X		X	
X	X		
X			
X			

(A+C) X=



Single-Lever-Mixer



A-C	bar						l/min
	1	2	3	4	5	6	
B/C	15,5	22	27	31	35	38	

	A	B	C
X	X		X
X	X	X	
X	X		
X	X		

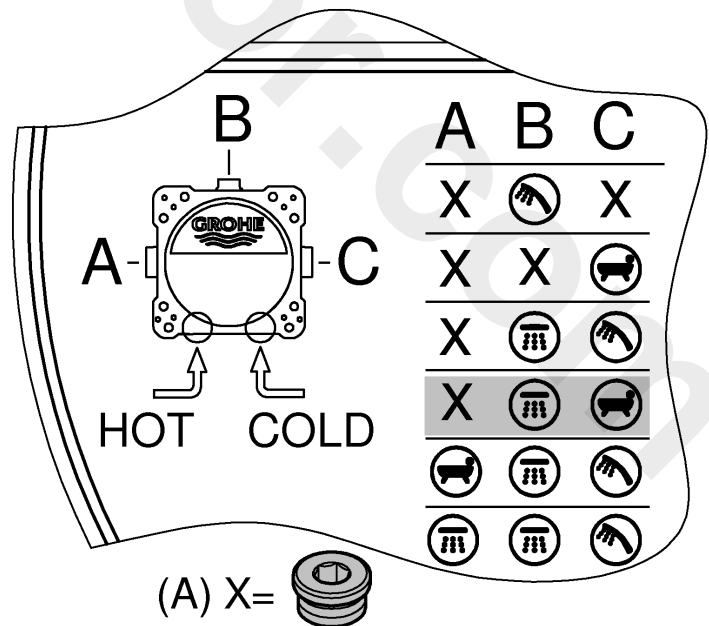
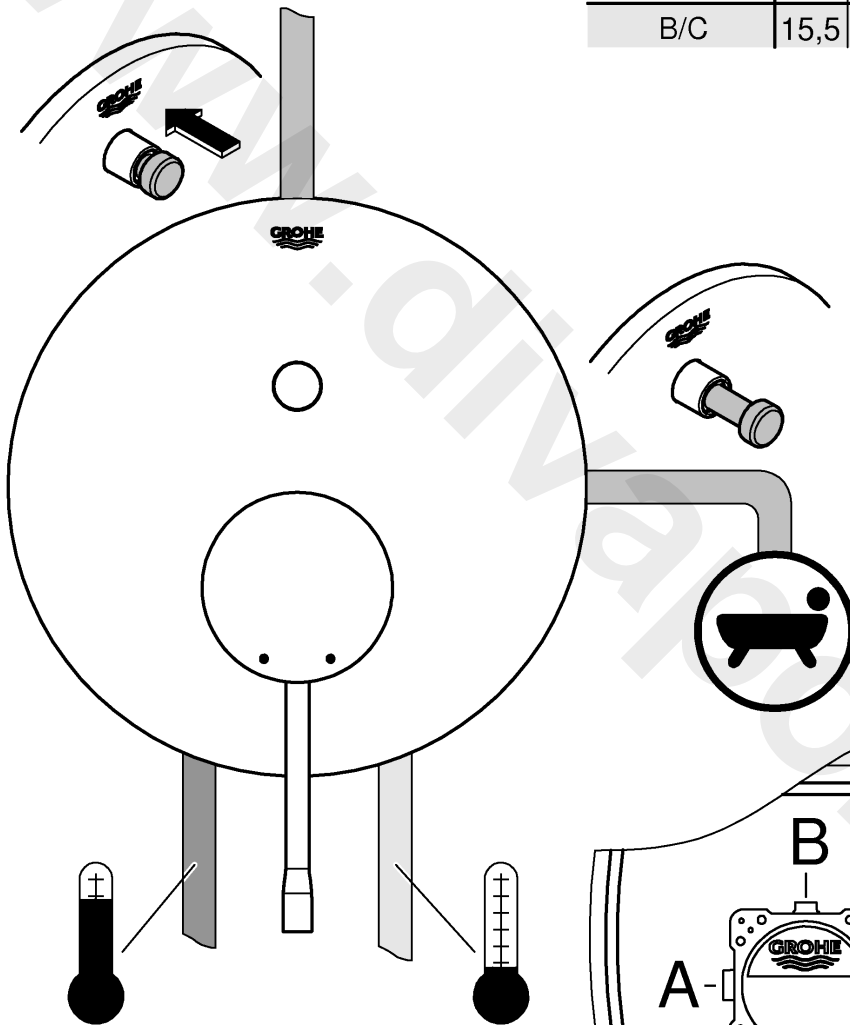
(A) X=



Single-Lever-Mixer

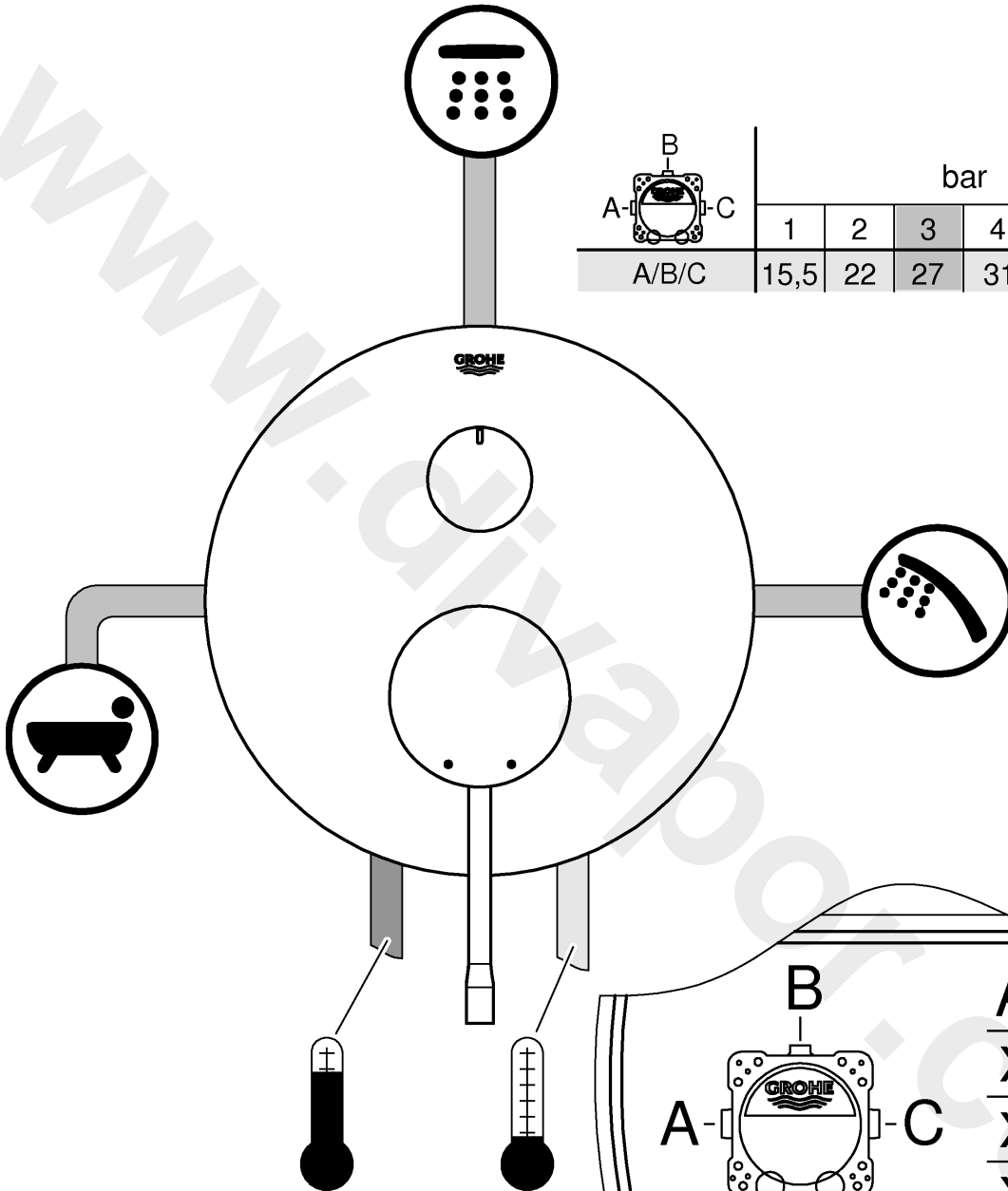


	bar						l/min
	1	2	3	4	5	6	
B/C	15,5	22	27	31	35	38	





Single-Lever-Mixer

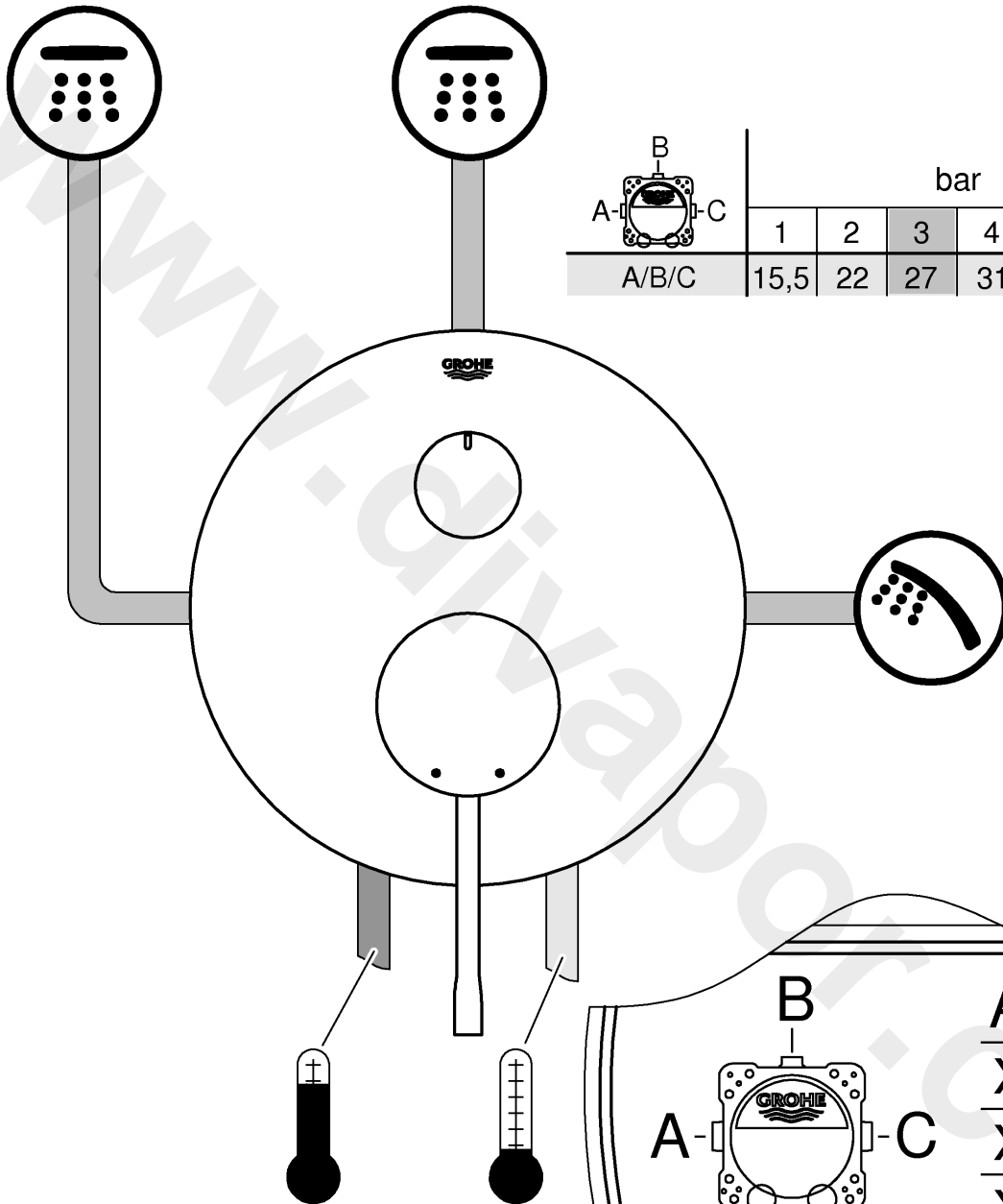


	bar						
	1	2	3	4	5	6	
A/B/C	15,5	22	27	31	35	38	l/min

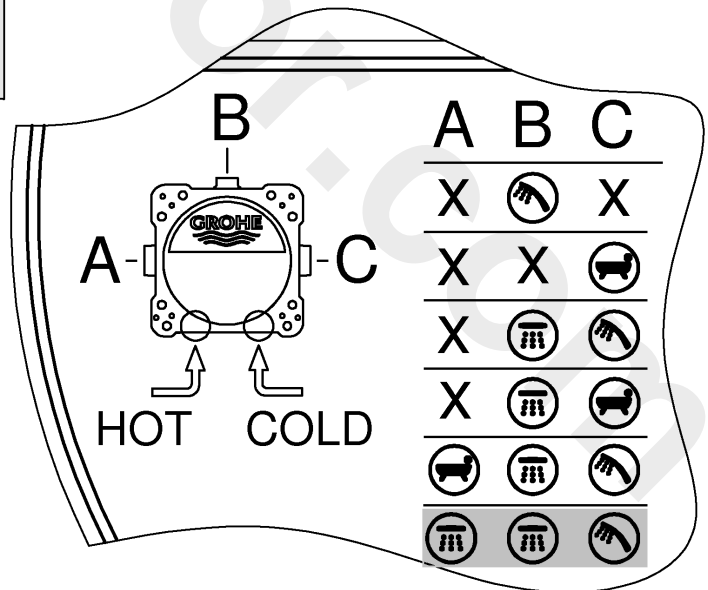
	A	B	C
A	X		X
B	X	X	
C	X		
Hot/Cold	X		
Hot/Cold			
Hot/Cold			



Single-Lever-Mixer



A/B/C	bar						l/min
	1	2	3	4	5	6	
A/B/C	15,5	22	27	31	35	38	



CN**Grotherm 2-Handle Thermostat 技术规格**

- 水流压力
- 无下游阻力情况下的
最小动压 0.5 巴
- 有下游阻力情况下的
最小动压 1 巴
- 推荐值 1.5-5 巴
- 最小流量 5 升 / 分钟
- 温度
- 热水入水口 最高 70 °C
- 节能建议值 60 °C
- 可采用温控消毒
- 进水管端的热热水温度
至少比冷热水混水温度高 2 °C

无下游阻力情况下的流量，请参见第 47-51 页。在
确定出水口尺寸规格时必须遵循此等要求！

· 推荐配置选项，见第 47-51 页。

提供以下特殊零件：

- 接长节 25mm (产品号：14 058)
- 安全设备，仅与二路分水器一起使用 (产品号：14 055)
- 截止阀 (产品号：14 053)

反向连接，右侧接热水管，左侧接冷水管 更换恒温
器阀芯 (产品号：49 003)

GB**Technical specifications Grotherm 2-Handle Thermostat**

- Flow pressure
- Minimum flow pressure without
downstream resistances 0.5 bar
- Minimum flow pressure with
downstream resistances 1 bar
- Recommended 1.5 – 5 bar
- Minimum flow rate 5 l/min
- Temperature
- Hot water inlet max. 70 °C
- Recommended for energy saving 60 °C
- Thermal disinfection possible
- Hot water temperature at supply connection
min. 2 °C higher than mixed water temperature

Flow rates without downstream resistances, see
page 47-51. **These are to be observed when**

dimensioning the outlet!

- Recommended configuration options, see from
page 47-51.

The following special accessories are available:

- Extension 25mm (prod. no.: 14 058)
- Safety device, only in combination with 2-way
diverter (prod. no.: 14 055)
- Isolating valves (prod. no.: 14 053)
- Reversed connection, hot on right – cold on left
replace thermostat cartridges (prod. no.: 49 003)

D**Technische Daten Grotherm 2-Handle Thermostat**

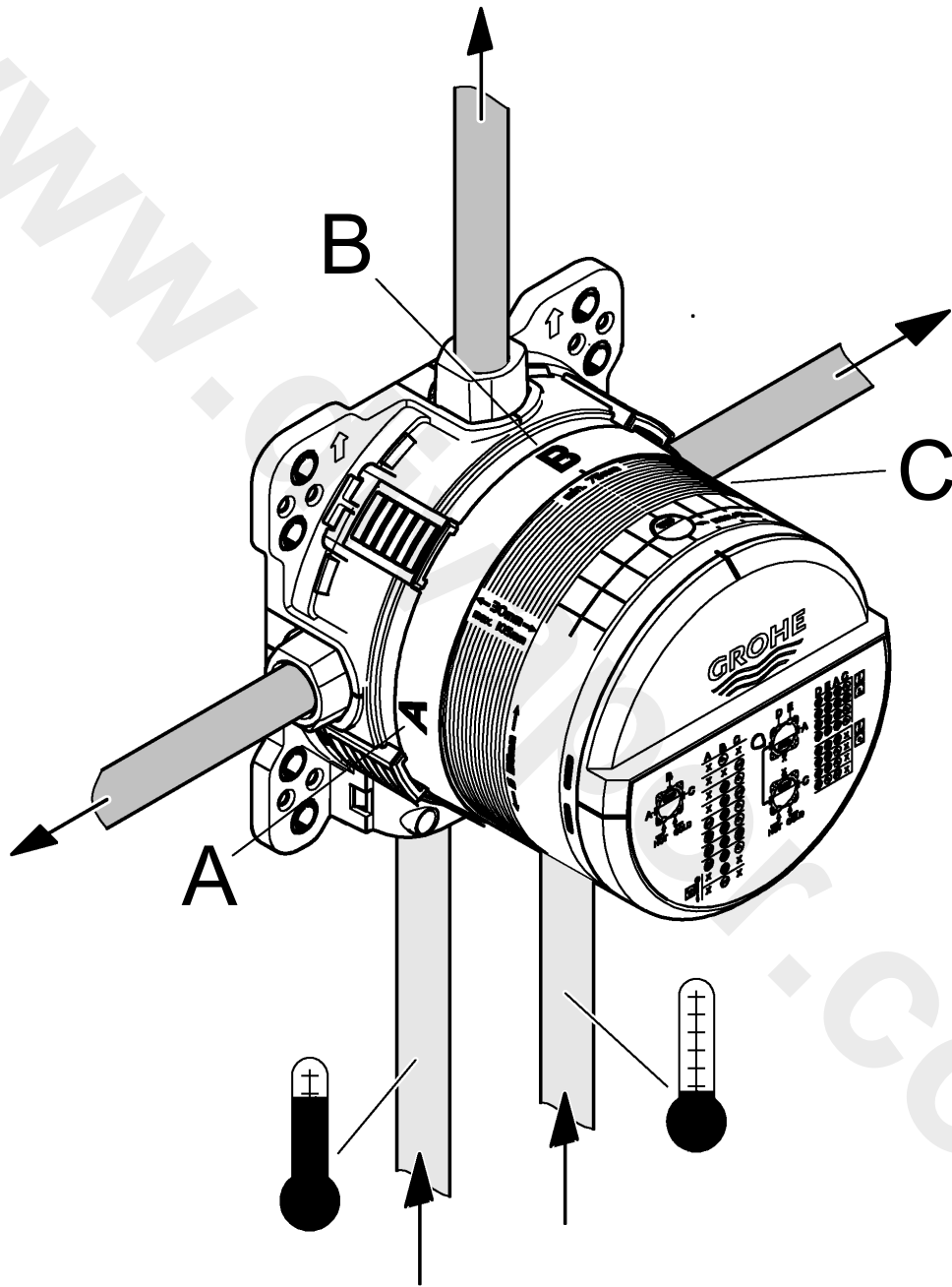
- Fließdruck
- Mindestfließdruck ohne
nachgeschaltete Widerstände 0,5 bar
- Mindestfließdruck mit
nachgeschalteten Widerständen 1 bar
- Empfohlen 1,5 - 5 bar
- Mindestdurchfluss 5 l/min
- Temperatur
- Warmwassereingang max. 70 °C
- Zur Energieeinsparung empfohlen 60 °C
- Thermische Desinfektion möglich
- Warmwassertemperatur am
Versorgungsanschluss min. 2 °C höher als
Mischwassertemperatur

Durchflüsse ohne nachgeschaltete Widerstände,
siehe Seite 47-51. **Diese sind bei der
Dimensionierung des Abflusses zu beachten!**

- empfehlende Konfigurationsmöglichkeiten, siehe
ab Seite 47-51.

Folgende Sonderzubehöre sind erhältlich:

- Verlängerung 25mm (Best.-Nr.: 14 058)
- Sicherheitseinrichtung, nur in Verbindung mit
2-Wege Umstellung (Best.-Nr.: 14 055)
- Vorabsperrungen (Best.-Nr.: 14 053)
- Seitenverkehrter Anschluss, warm rechts - kalt
links Thermostat-kartusche austauschen
(Best.-Nr.: 49 003)

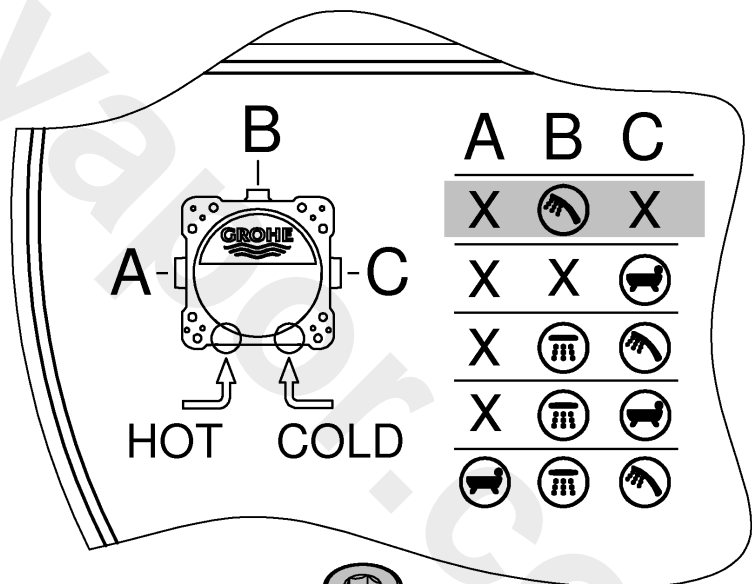
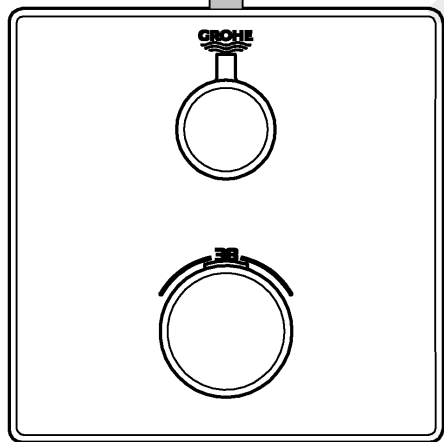




Grotherm 2-Handle Thermostats



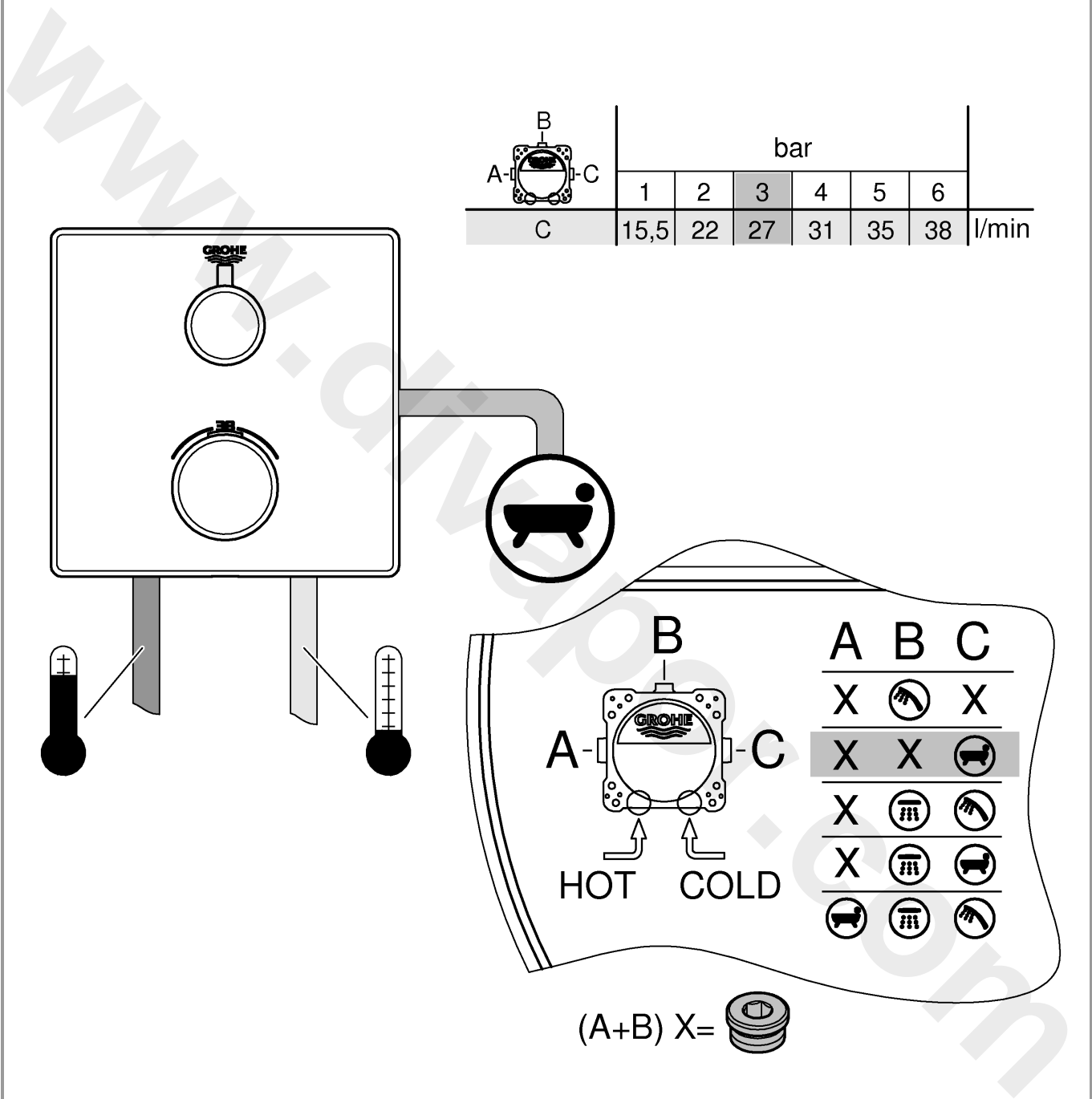
A-C	bar						l/min
	1	2	3	4	5	6	
B	15,5	22	27	31,0	35	38	



(A+C) X=

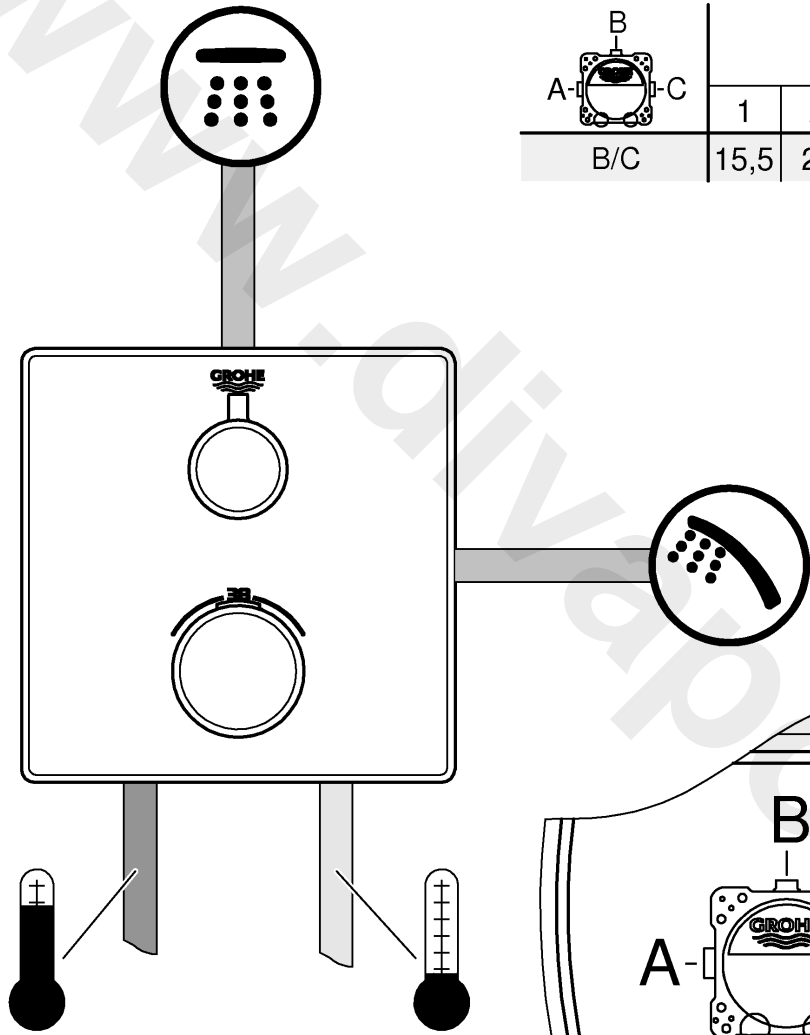


Grotherm 2-Handle Thermostats





Grotherm 2-Handle Thermostats



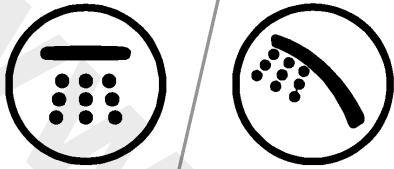
	bar						l/min
	1	2	3	4	5	6	
B/C	15,5	22	27	31	35	38	

A	B	C
X		X
X	X	
X		
X		

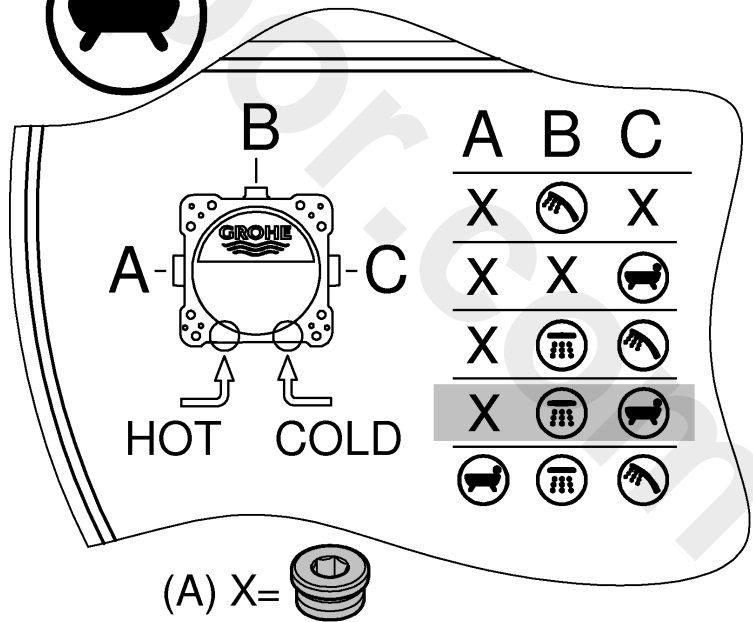
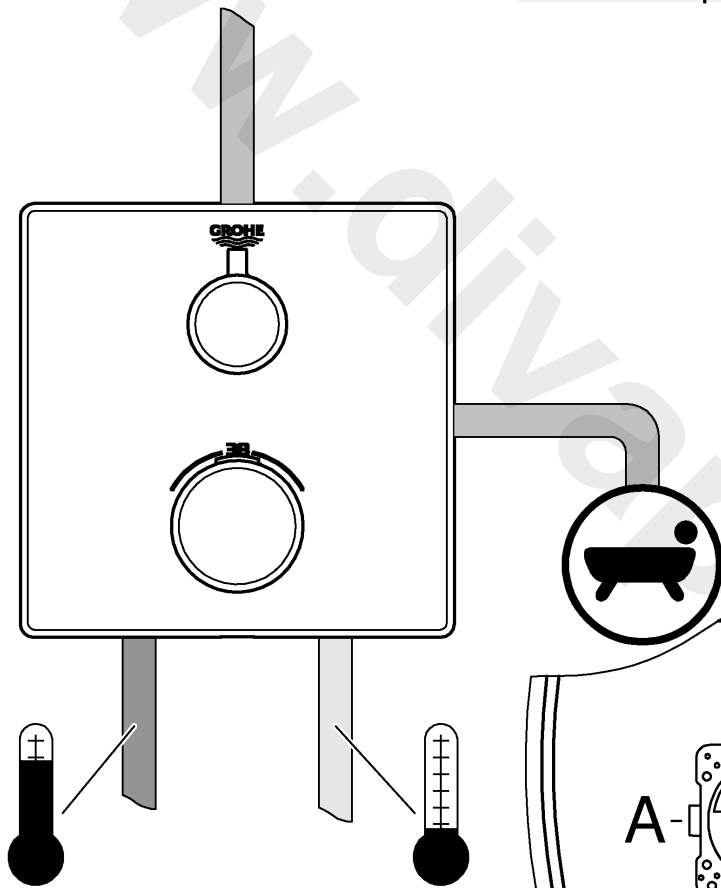
(A) X =

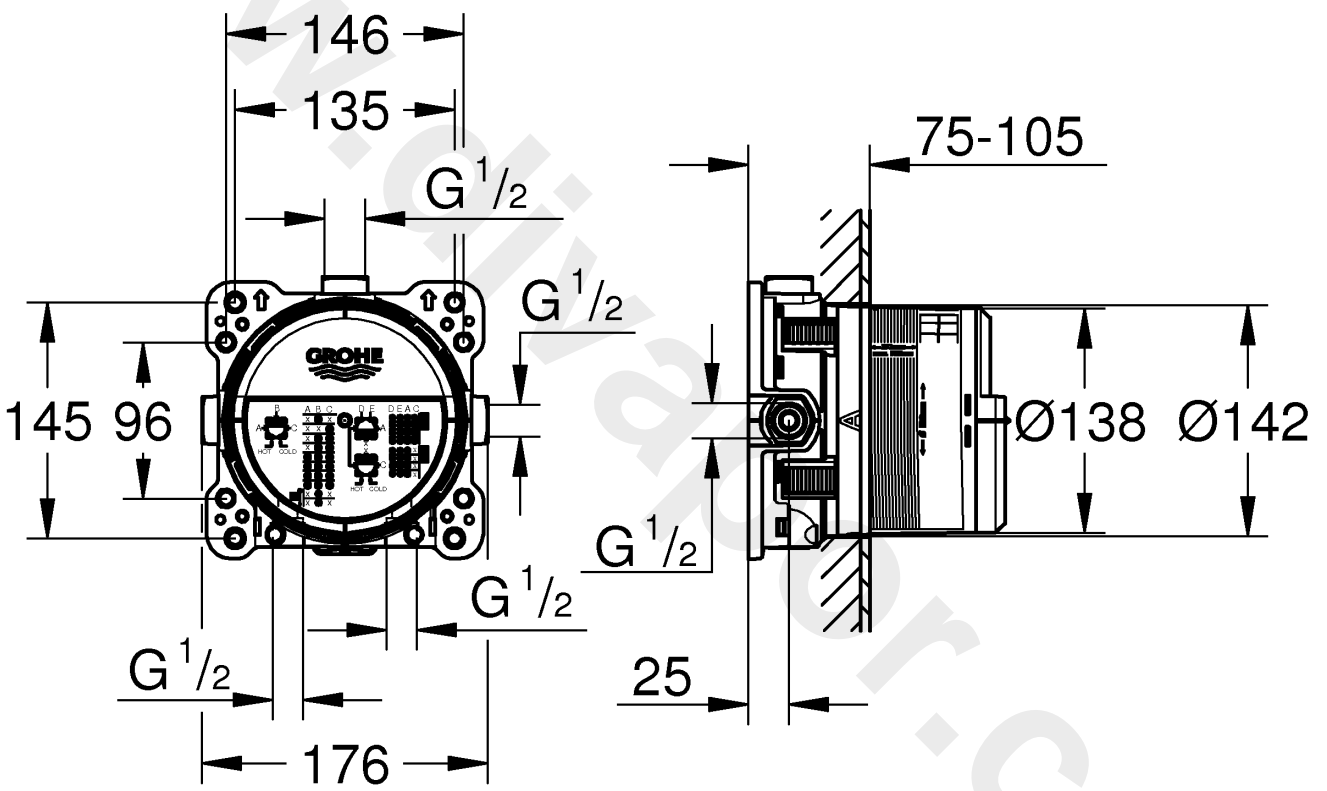
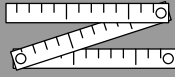


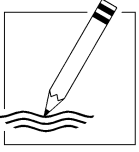
Grohtherm 2-Handle Thermostats



	bar						l/min
	1	2	3	4	5	6	
B/C	15,5	22	27	31	35	38	

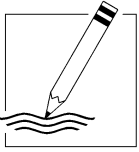






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