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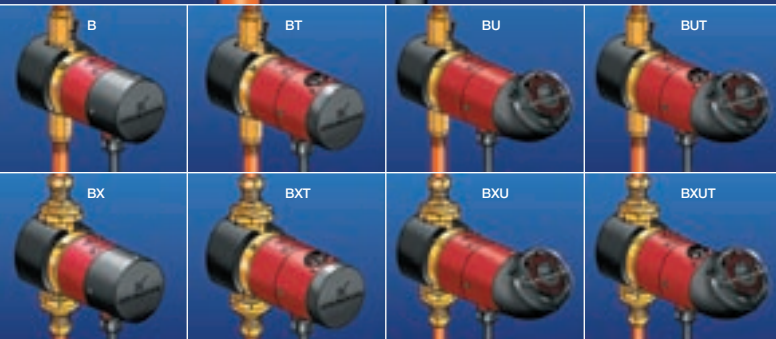
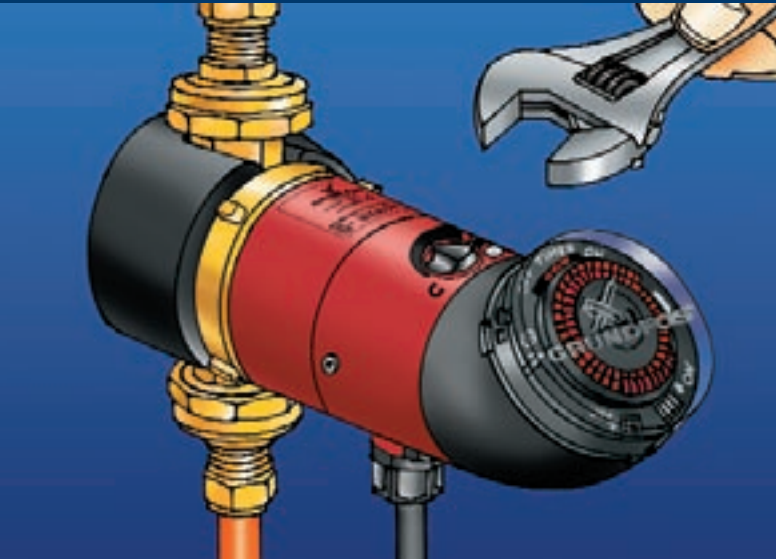
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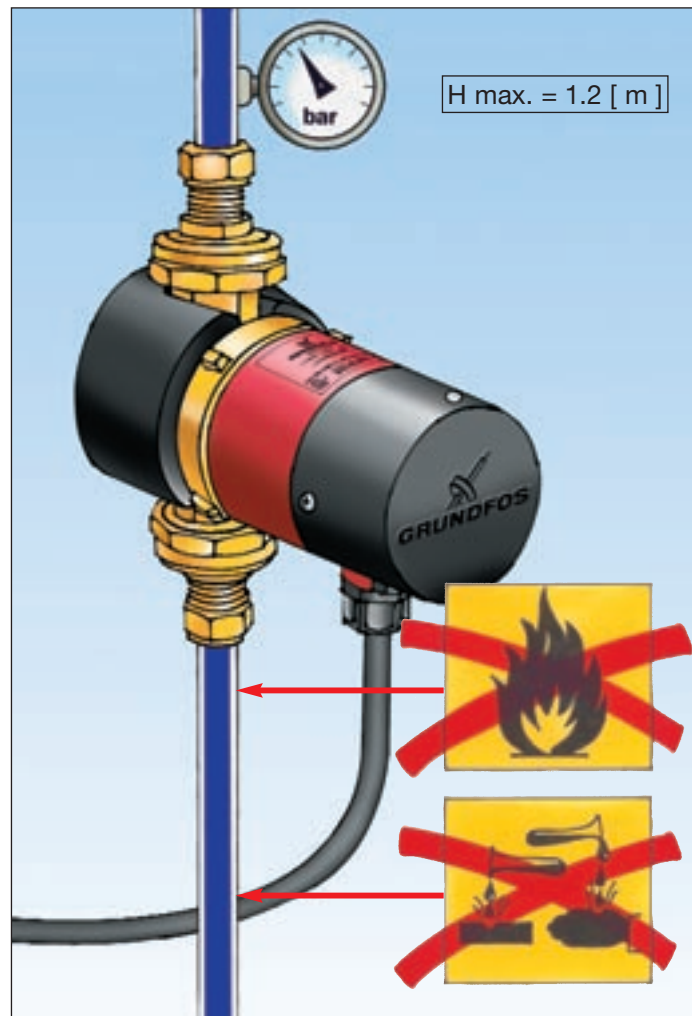
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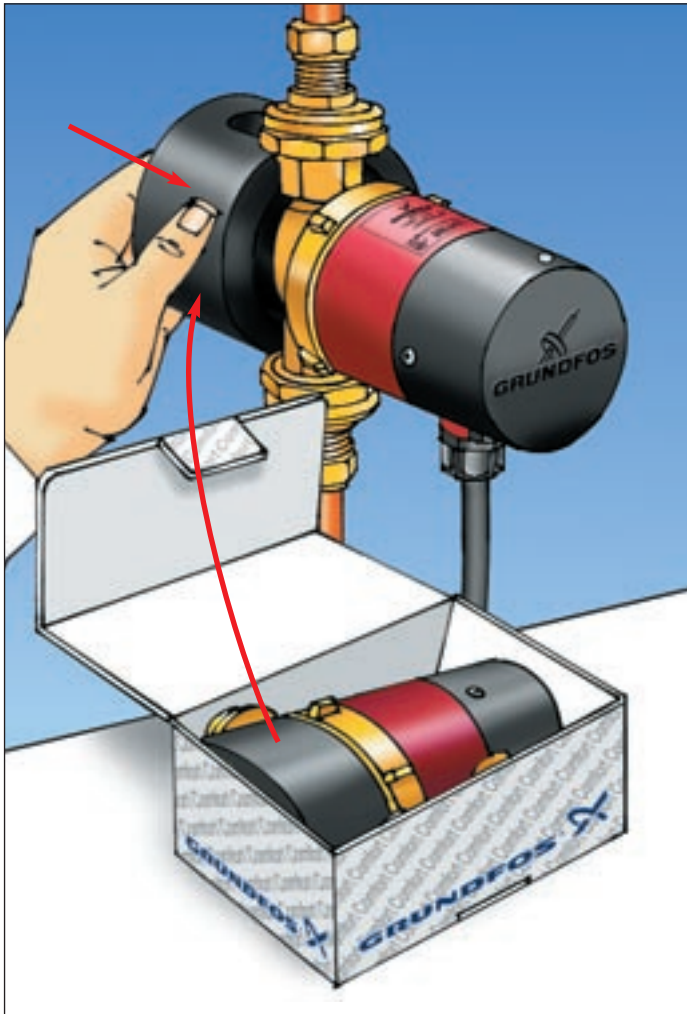
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ADDRESS 101940 25.01.2017

## Grundfos Comfort

<b>GB</b>	Grundfos declares that these products are in conformity with the following EU directives:	Grundfos izjavlja, da so ti izdelki v skladu z naslednjimi smernicami EU:	<b>SI</b>
<b>D</b>	Konformitatskarung. Grundfos erklart, att dessa produkter ar i overensstammelse med foljande EU-riktlinjer overensstammelse:	Grundfos izjavlja, da su ovi proizvodi u skladu sa sljedećim smjernicama EU:	<b>HR</b>
<b>F</b>	Grundfos dclare que ces produits sont en conformite avec les directives de l'Union Europenne suivantes:	Grundfos izjavlja, da su ovi proizvodi u saglasnosti sa sledećim smernicama EU:	<b>YU</b>
<b>I</b>	Grundfos dichiara che questi prodotti sono conformi alle seguenti Direttive della Comunit Europea:	Societatea Grundfos declar c aceste produse sunt in conformitate cu urmtoarele directive ale Uniunii Europene:	<b>RO</b>
<b>E</b>	Grundfos declara que estos productos son conformes con las siguientes Directivas Europeas:	И Grundfos објављује да ове производе сагласности са следећим директивима ЕУ:	<b>BG</b>
<b>P</b>	A Grundfos declara que estos productos esto en conformidad con las siguientes directivas EU:	Firma Grundfos proklajuje, o vrobky jsou v souladu s nsledujícím směrnicemi EU:	<b>CZ</b>
<b>GR</b>	H Grundfos izjavlja da su ovi proizvodi u skladu sa sledećim smernicama EU:	Firma Grundfos prehluje, e vrobky s v sladu s nsledovnými směrnicami EU:	<b>SK</b>
<b>NL</b>	Grundfos verklaart, dat deze producten in overeenstemming zijn met de volgende richtlijnen:	Grundfos bu rnlerlin vropa rtlerlin vgađdaki Direktivlerin uygundurunu nylar:	<b>TR</b>
<b>S</b>	Grundfos firklar att dessa produkter r i overensstammelse med foljande EU-direktiv:	Grundfos kinnir, at smd tvegd varslad jgrnislata EU normistolar:	<b>EE</b>
<b>SF</b>	Grundfos vakuttaa, etta nama tuumet nmivar seadustevien EU direktivien vastlukaal:	Firma Grundfos parilo, ka izdelki su u skladu sa sledećim smernicama EU:	<b>LV</b>
<b>DK</b>	Grundfos erklrer, at disse produkter er i overensstemmelse med flgende EU-direktiver:	Grundfos paviatina, kad tie produkti atitinka pamatu liudovintar ES normas:	<b>LT</b>
<b>PL</b>	Firma Grundfos oswiadcza, o dane vrobki s zgodne z niniejszymi wytycznymi UE:	90/27/EEC (EN 292) 80/336/EEC (EN 50 081-1, EN 50 082-2) 73/23/EEC (EN 60 335-1, EN 60 335-2-81)	
<b>RU</b>	Фирма Grundfos объявляет, что данные изделия с zgodne z niniejszymi wytycznymi UE:	Przemyslni, 1st November 2000	
<b>H</b>	Mi, a Grundfos kijelentek, hogy ezen termekok megfelelnek az Eurpai Unió kvetkez irnyelvainak:	 Jvnd Aage Kaas Technical Manager	

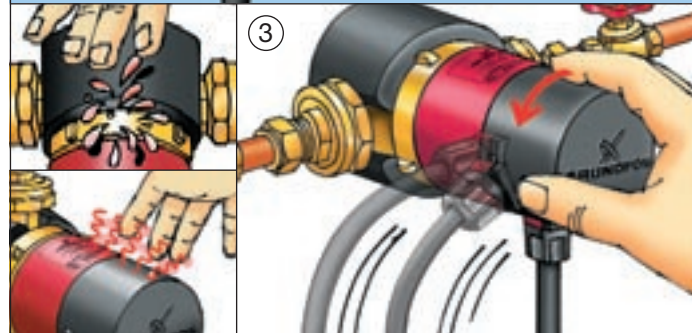
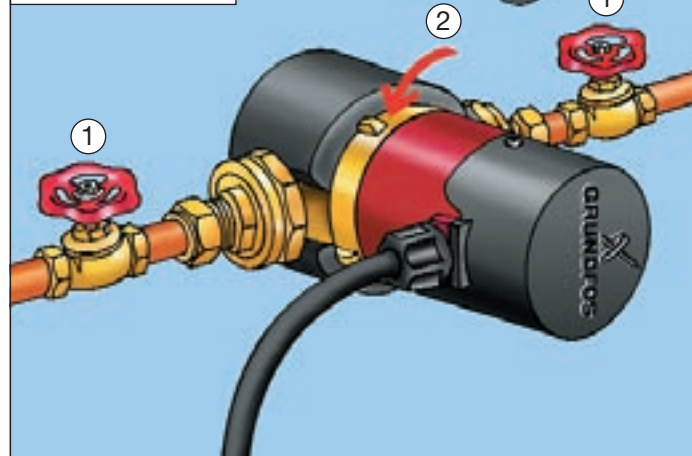
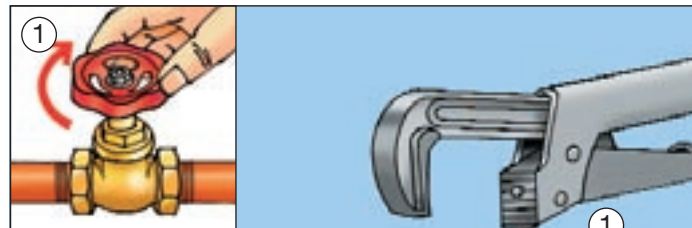
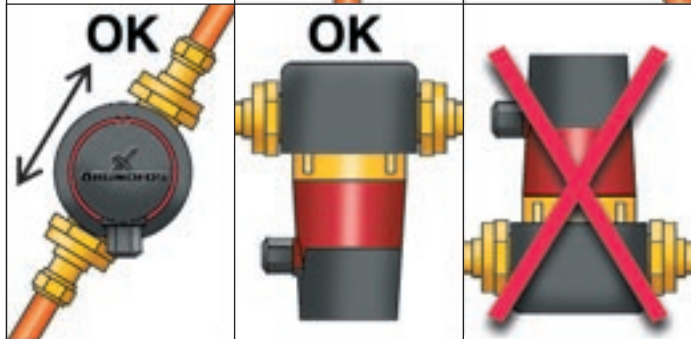
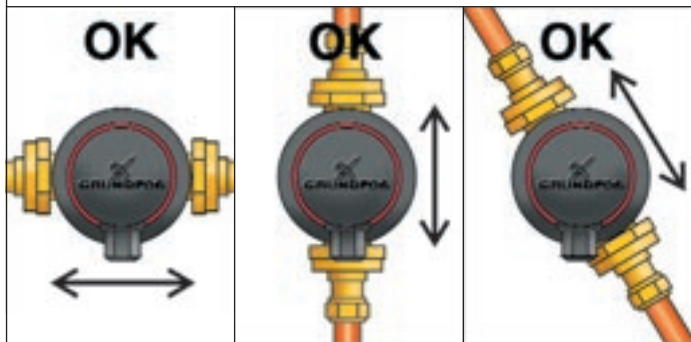
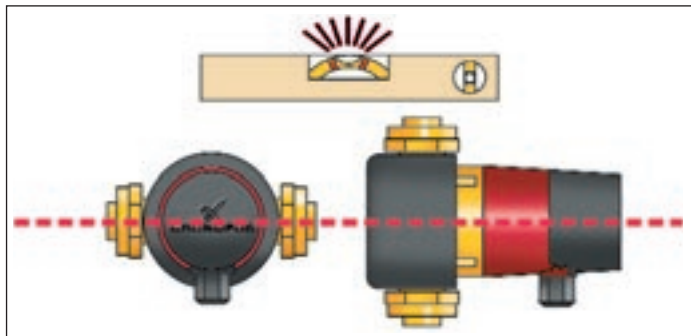


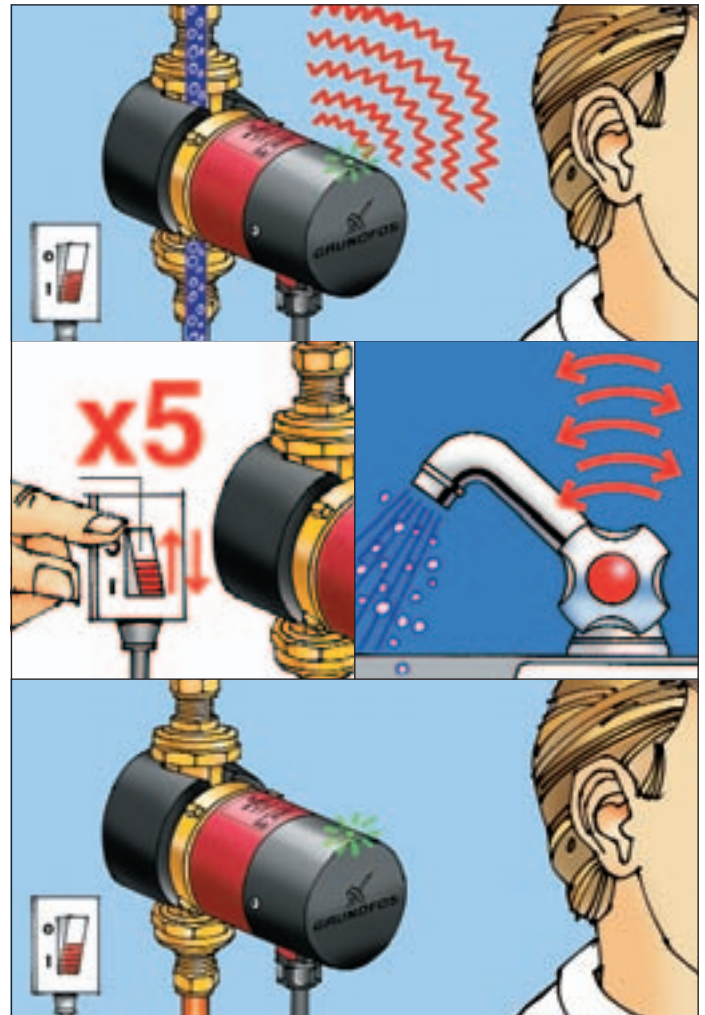
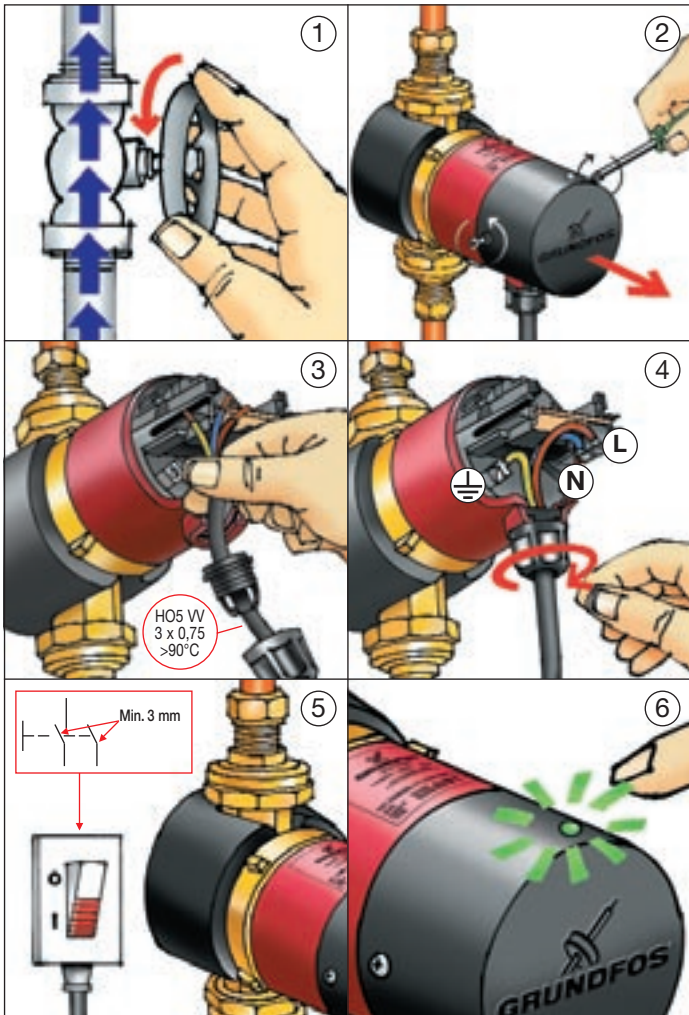


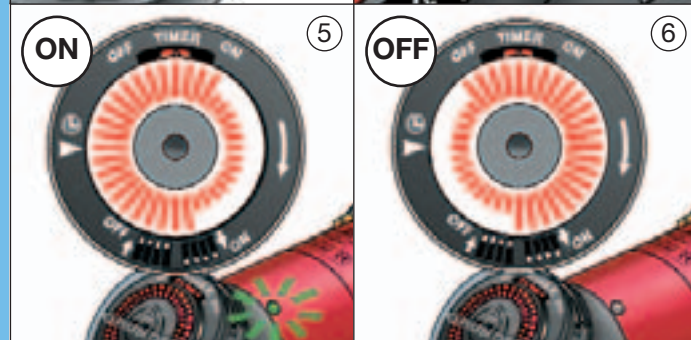
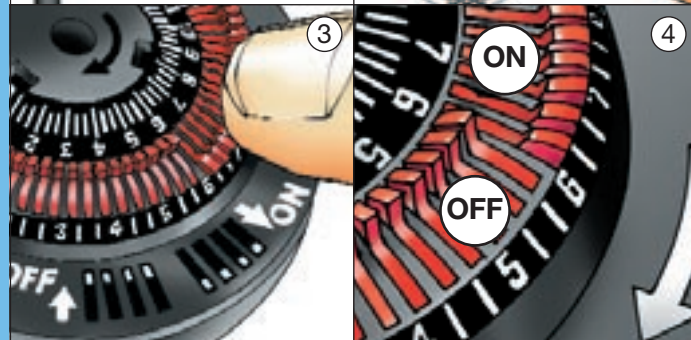
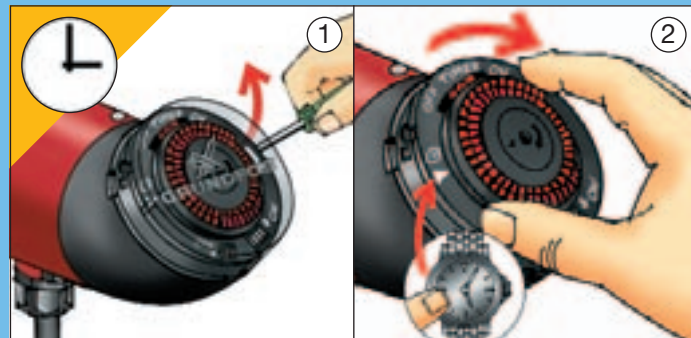
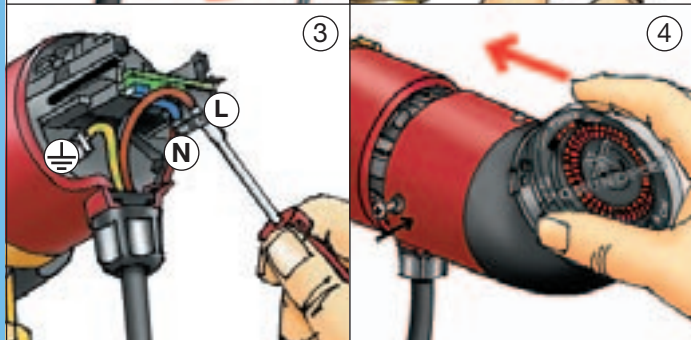
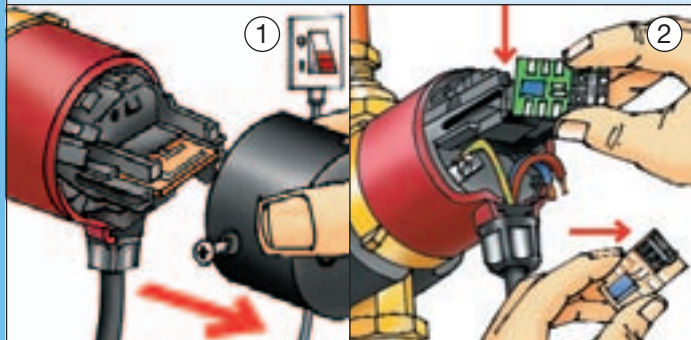
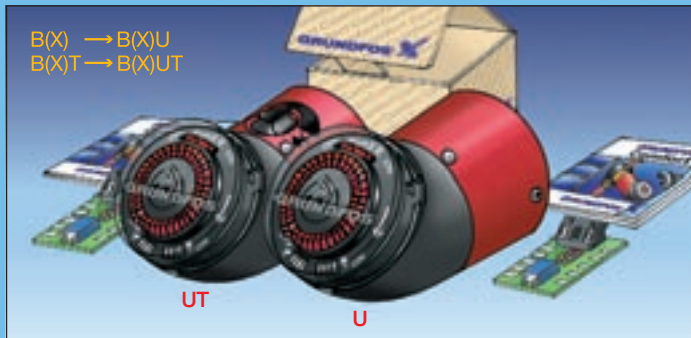
Class TF95  
t<sub>1</sub> max. 95°C

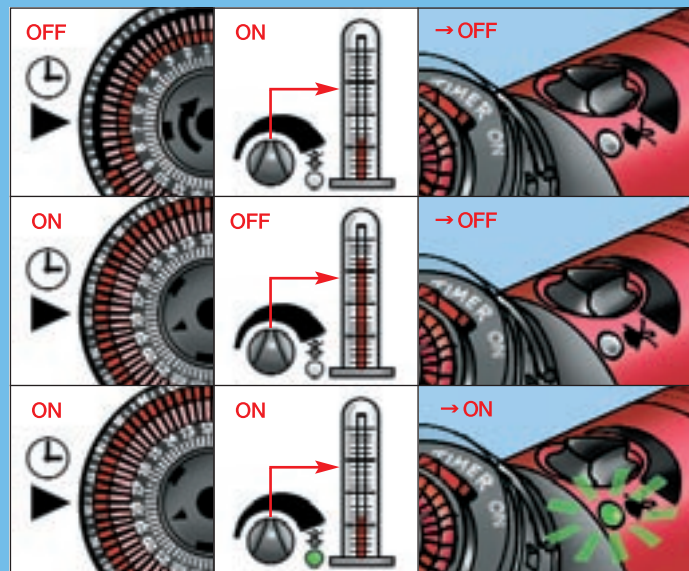
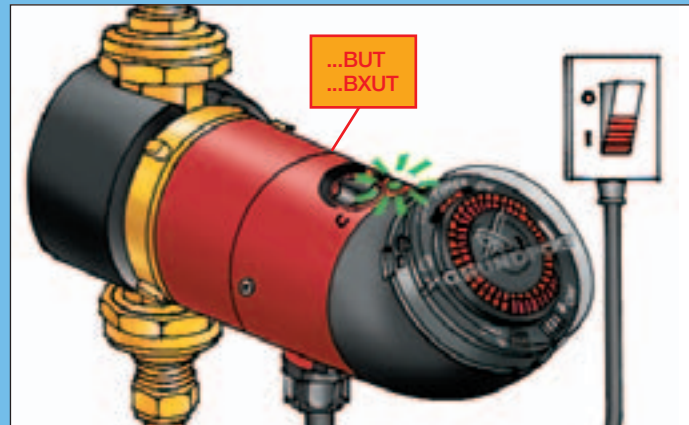
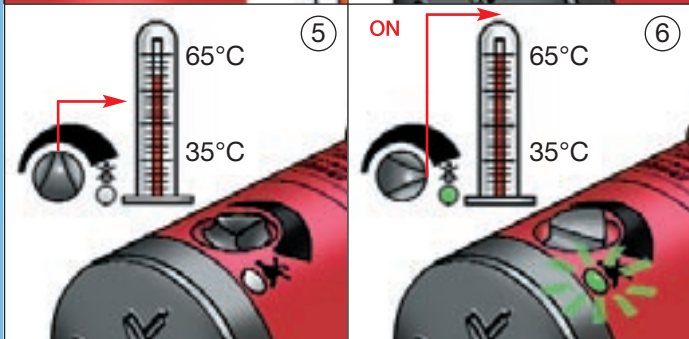
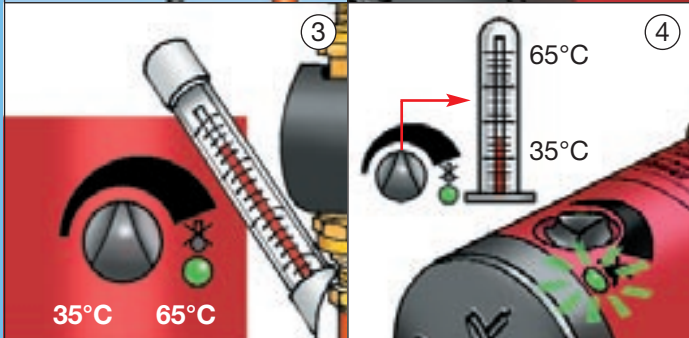
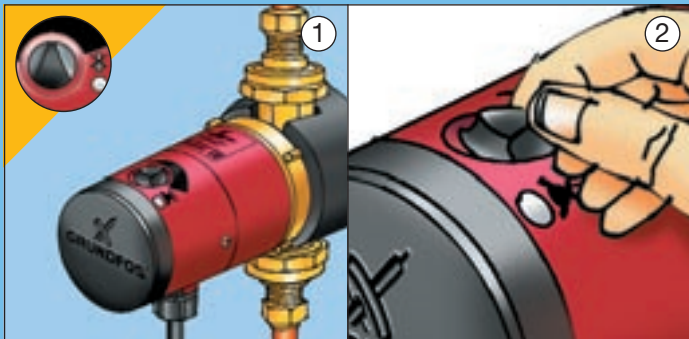
$t_1 \geq t_2$

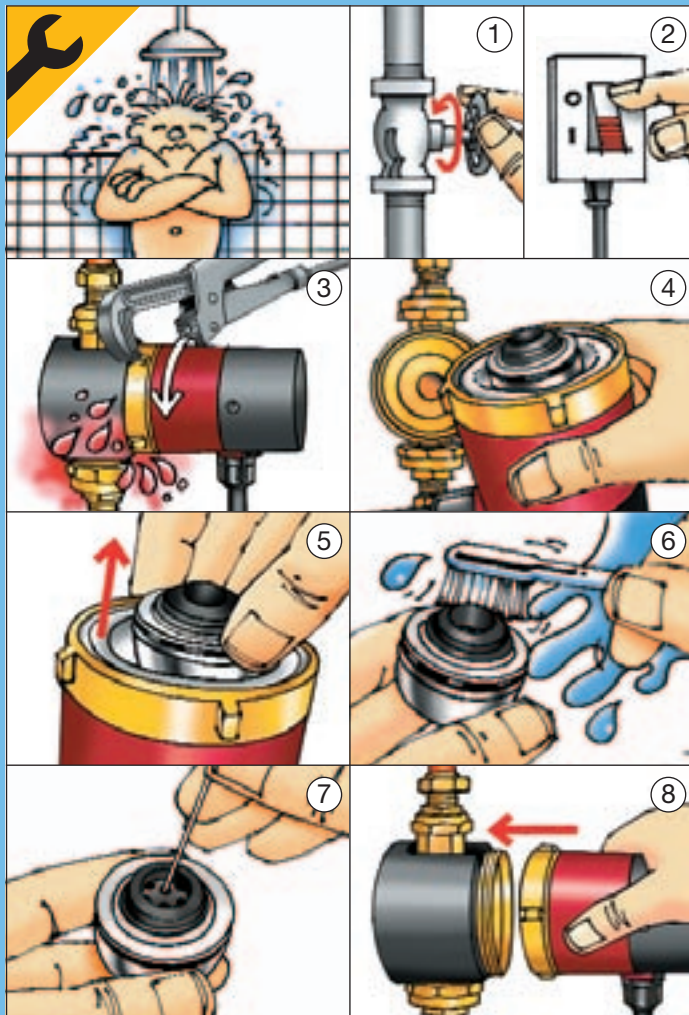
	C°					
t <sub>1</sub>	2	20	40	65	80	95
t <sub>2</sub>	0	20	40	40	40	40











**Pozivim nīlāniena akustīcēnēgo**  
 Pozivim nīlāniena akustīcēnēgo pūmpa nā pārsācā 43 dB(A). **(PL)**

**Ypoveis ūyāmo**  
 Ypoveis ūyāmo nācōca nē pārsācā 43 dB(A). **(RU)**

**Zajszint**  
 A szilvnyűl zajszintje nālsenyalabb, mint 43 dB(A). **(H)**

**Nivo hrupnosti**  
 Nivo hrupnosti leži pod 43 dB(A). **(SI)**

**(GR)** **Sound pressure level**  
 The sound pressure level of the pump is lower than 43 dB(A).

**(D)** **Schalldruckpegel**  
 Der Schalldruckpegel der Pumpe liegt unter 43 dB(A).

**(MM)** **Razina zvučnog tlaka**  
 Razina zvučnog tlaka crpke leži ispod 43 dB(A).

**(F)** **Niveau de pression acoustique**  
 Le niveau de pression acoustique du circulateur est inférieur à 43 dB(A).

**(YU)** **Nivo zvučnih pritiska**  
 Nivo zvučnih pritiska pumpe ispod 43 dB(A).

**(I)** **Livello di rumorosità**  
 Il livello di pressione sonora della pompa è inferiore a 43 dB(A).

**(RO)** **Nivelul sonor**  
 Nivelul de zgomot al pompei este mai mic de 43 dB(A).

**(E)** **Nivel de ruido**  
 El nivel de ruido de la bomba es inferior a 43 dB(A).

**(RQ)** **Heslo na ūyāmo**  
 Heslo na ūyāmo nā nāshata n nist 43 dB(A).

**(P)** **Nivel de pressão sonora**  
 O nível de pressão sonora produzido pelo circulador é inferior a 43 dB(A).

**(CZ)** **Akustický tlak**  
 Hladina akustického tlaku je pod hranicí 43 dB(A).

**(GR)** **Ίσχύει ηχητικό επίπεδο**  
 Η ισχύει ηχητικό επίπεδο του ακτινωτού είναι μικρότερο από 43 dB(A).

**(SK)** **Akustický tlak**  
 Hladina akustického tlaku je pod hranicou 43 dB(A).

**(NL)** **Getuidedrukniveau**  
 Het geluidsdrukniveau van de pomp is lager dan 43 dB(A).

**(TR)** **Gürültü seviyesi**  
 Pompanın gürültü seviyesi 43 dB(A)'den azdır.

**(S)** **Ljudtryckenivå**  
 Pumpans ljudtryckenivå är mindre än 43 dB(A).

**(BE)** **Mīratase**  
 Pūmpa mīratase ēi (lētā) 43 dB(A).

**(SF)** **Änenpainetaso**  
 Pumpun änenpainetaso on alempi kuin 43 dB(A).

**(LV)** **Trokānu līmenis**  
 Sūkņa trokānu līmenis nepārsniedz 43 dB(A).


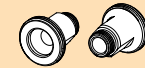

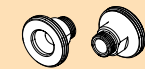
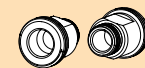



**(DK)** **Lydtrykniveau**  
 Pumpens lydtrykniveau er lavere end 43 dB(A).

**(LT)** **Triukšmo lygis**  
 Siurblio kaliamas triukšmas neviršija 43 dB(A).

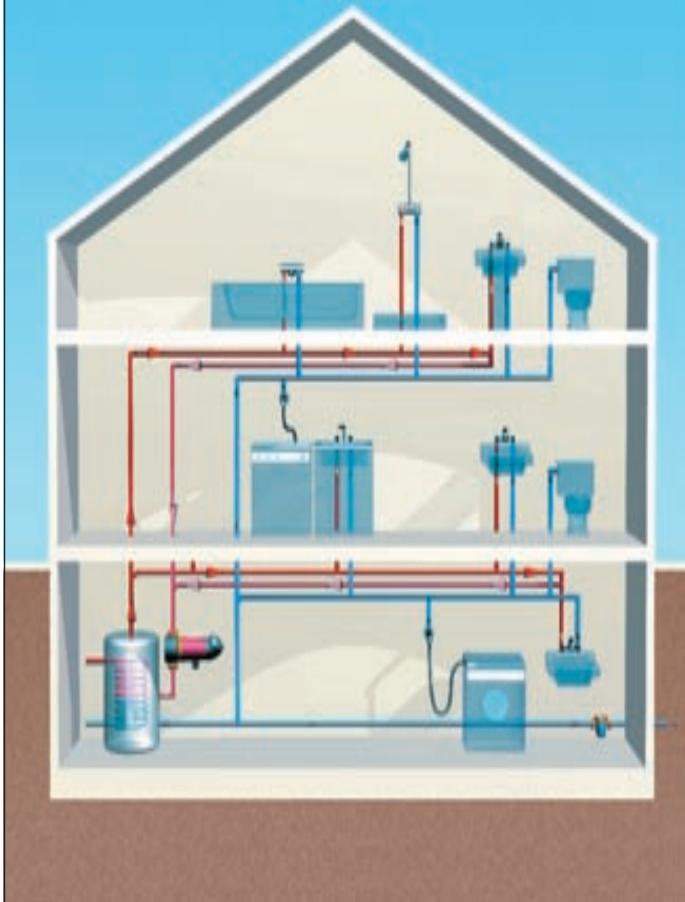


## Replacement

	UP 15 - 14 B		UP 20 - 14 BX	
		<b>BT BU BUT</b>		<b>BXT BXU BXUT</b>
<b>PUMPS</b>	<b>L</b>	<b>80</b>	<b>110</b>	
<b>BUDERUS</b>				
BUZ15	80	OK		
BU-Z15A 15C	140	+ 96 43 39 13		
<b>EMB</b>				
NWS 20-6	140	+ 96 43 39 13		
<b>GRUNDFOS</b>				
UP 15-13 B (U)	86	OK		
UP 15-13 BX (U)	130	+ 96 43 39 04		
UP 20-07N, UP 20-15N	150	+ 96 43 39 11		+ 96 43 65 59
<b>KSB</b>				
R12-1E	140	+ 96 43 39 13		
Riotherm C12/15 (T)	150	+ 96 43 39 11		+ 96 43 65 59
<b>LOEWE</b>				
C151 (U)	86	OK		
C151 X (U)	130	+ 96 43 39 04		
<b>SPECK</b>				
BN 20/11, 20/22	150	+ 96 43 39 11		+ 96 43 65 59
<b>VORTEX</b>				
BW(Z) 150, 151 R 1/2"	80	OK		
BW(Z) 152, 153 R 1/2"	80	OK		
BW(Z) 150, 151 V	110			OK
BW(Z) 152, 153 V	110			OK

UP 15 - 14 B	UP 20 - 14 BX
	
<b>Product no. 96 43 39 11</b> Extension set, Rp 1/2"/G 1 1/4", length = 35 mm each	<b>Product no. 96 43 65 59</b> Extension set, Rp 1/4"/G 1 1/4", length = 40 mm
	
<b>Product no. 96 43 39 12</b> Extension set, Rp 1/2"/G 1 1/2", length = 25 mm each	<b>Product no. 96 43 39 07</b> Union set, G 1 1/4 x 15 mm int./ R 1/2" ext.
	
<b>Product no. 96 43 39 13</b> Extension set, Rp 1/2"/G 1", length = 30 mm each	<b>Product no. 96 43 39 08</b> Union set, G 1 1/4 x Rp 3/4 int.
	
<b>Product no. 96 43 39 04</b> Non-return valve 1/2"	<b>Product no. 96 43 39 09</b> Union set, G 1 1/4 int. x Rp 1/2 / R 3/4 ext.
	
<b>Product no. 96 43 39 05</b> Shut-off-valve 1/2"	<b>Product no. 96 43 39 10</b> Union set, G 1 1/4 x 22 mm int.
	

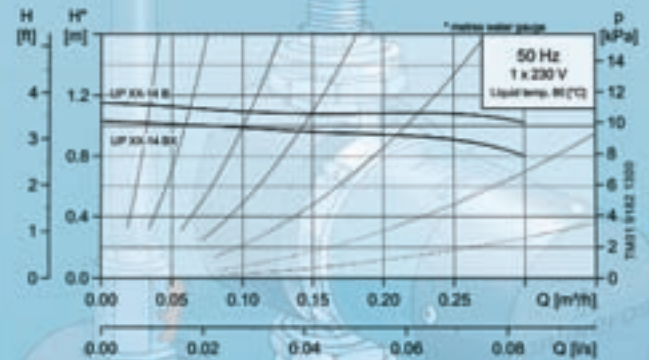
# Grundfos Comfort user installation



Only **GB**

## Supplementary page for Grundfos Comfort

### Performance



### Recommended applications

Open and closed systems. Domestic hot water systems in single- and two-family houses. Cooling and air-conditioning systems.

### Minimum dynamic head for the inlet water:

Liquid temperature	85°C	95°C
Inlet pressure	0.5 m 0.049 bar	2.8 m 0.27 bar

Maximum system pressure: PN 10, 102 metres water gauge.

The maximum surface temperature will not exceed 125°C.

Do not run the pump without water.