

TOTO

壁式恒温式水嘴 (浴室用)

TBV03427B
TBV03429B
TBV03431B



为了能够发挥产品功能，请细读本安装说明书的内容，并正确地安装。安装后，请务必向客户仔细地说明使用方法。



1. 安全注意事项(为了安全起见，请务必遵守)




安装前，务请细读本「安全注意事项」的内容，并正确地安装。



●为了安全、正确的使用产品，防止给您或者他人的人身及财产安全造成损失，此说明书采用了许多标志。各标志与含义如下：




●需遵守的内容通过以下标志加以区分、说明。

 警告	此标志表示无视此标志的内容，进行误操作的话，可能导致人员死亡或重伤。
 注意	此标志表示无视此标志的内容，进行误操作的话，可能造成人员伤害或物质财产损失。

 禁止	表示不可行，“禁止”之意。 左图表示“禁止拆解”。
 必须实行	表示必须“强制”实行的内容。 左图表示“必须实行”。

 警告	
 禁止	冷热水管请勿装反 否则可能因使用冷水侧时吐热水而造成烫伤。
 禁止拆解	除了本说明书内所记载的项目以外，禁止拆解 否则，可能因产品性能受损导致烫伤、受伤，或因漏水而引起家具浸湿等财产损失。
	供热水温度不得超过90℃，建议供热水温度为60℃。供热水管请勿使用蒸汽。 否则可能造成产品使用寿命缩短，易破损、烫伤，以及由于漏水造成家庭财产污损。

 警告	
 必须实行	必须进行温度调节，以按刻度确保热水。 根据使用条件的不同而有造成无法按刻度确保热水的情况，请注意避免受烫伤。
	清洁过滤网时，必须先确实地关闭进水角阀或总开关。 另外，必须确认本体左侧和供热水侧的安装架部分处于不热的状态。 否则可能会喷出高温热水造成烫伤以及因发生漏水而造成弄湿家具等损坏财产。

 注意	
 禁止	不要施加强力或冲击。 否则可能会造成破损，以及因发生漏水而造成的家具浸湿等财产损失。
 必须实行	在预防冻结的场所使用时，配管部缠上保温材料。 否则可能导致部件破损，从而因漏水浸湿财物致使财物受损。

2. 规格

供冷水·供热水压力	最低水压	0.05 MPa (流动压)
	最高水压	1.0 MPa (静压)
	推荐使用压力	0.1~ 0.5 MPa (流动压)
供水温度	4~90°C, 建议供热水温度60°C.	
使用环境温度	1~40°C	
用途	普通家庭用	

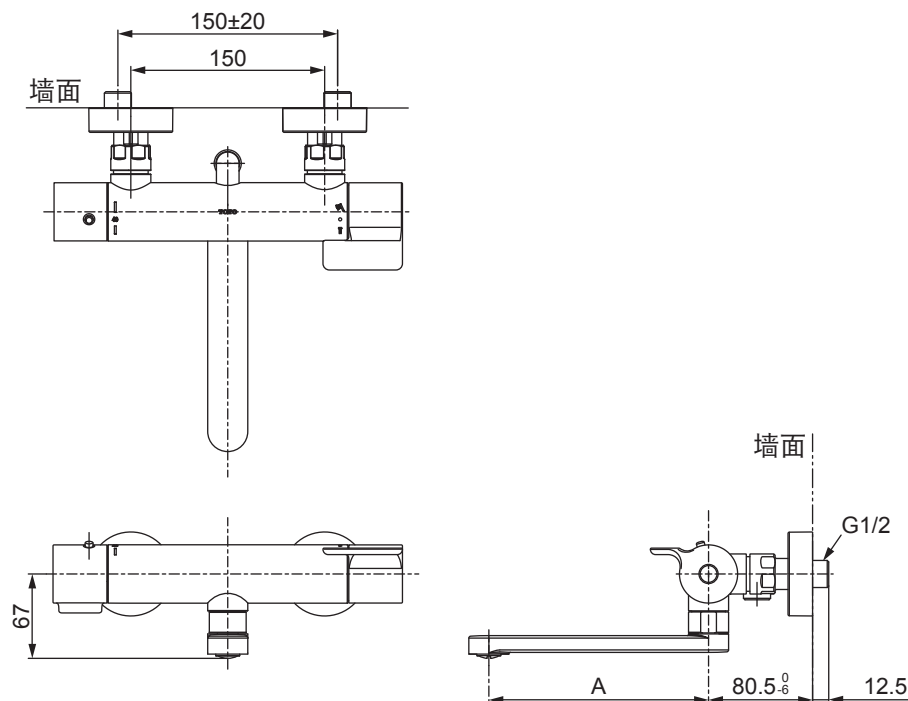
3. 安装前须知

- 为防止误操作而导致的烫伤，冷水水压必须高于或等于热水水压。如必须给热水侧加压时，热水侧压力也必须低于冷水水压。
- 热水供给设备的设定温度不要超过60°C,以免烫伤。
为了确保舒适的吐水温度，建议设定温度在50~60°C的范围内。
- 为了减少供热设备到水嘴间的阻力，请按最短距离进行排管。水管须包裹保温材料。
- 包装产品之前，因执行通水试验，可能会在产品内部留有残水，但是产品性能上毫无问题。

4. 完成图

※根据产品型号，图片与实物可能稍有差异。

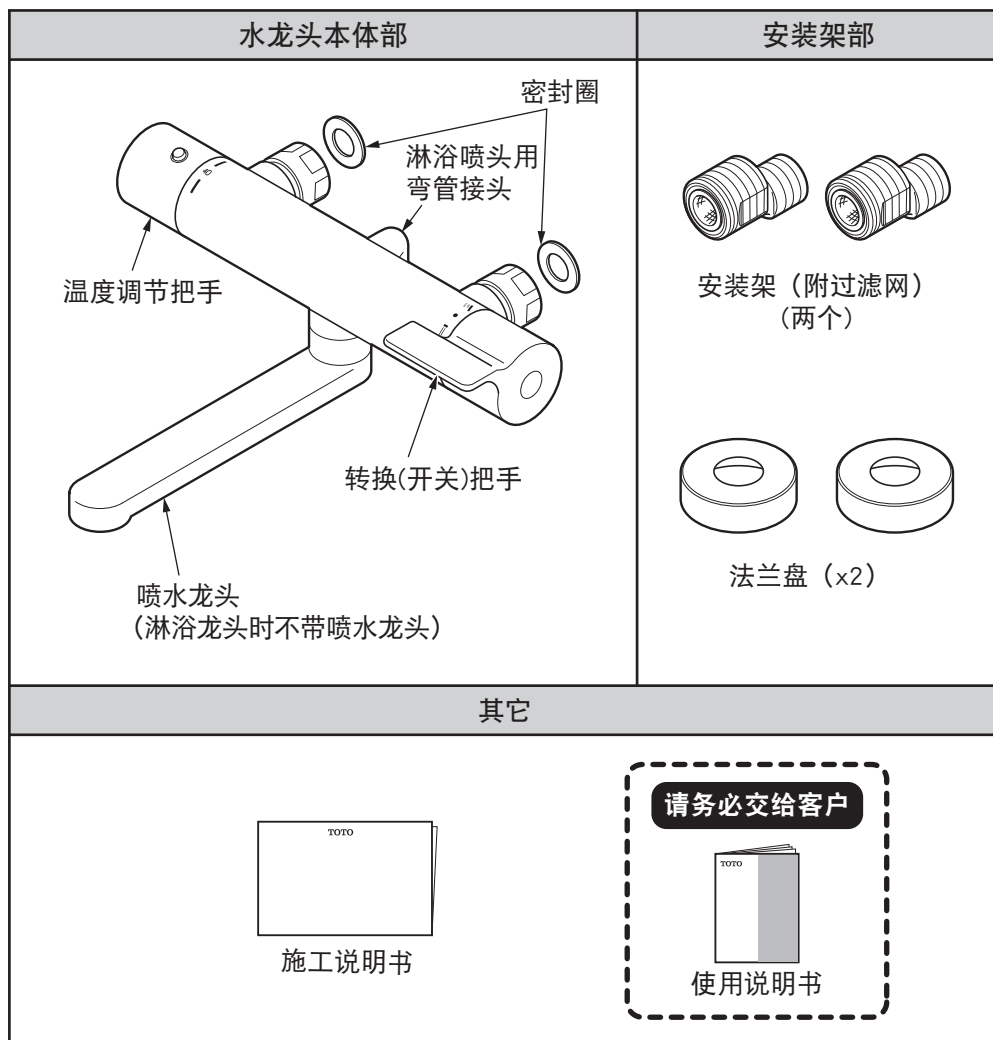
(单位: mm)



型号	A
TBV03427B	170
TBV03429B	
TBV03431B	无喷水龙头

5. 部件的确认

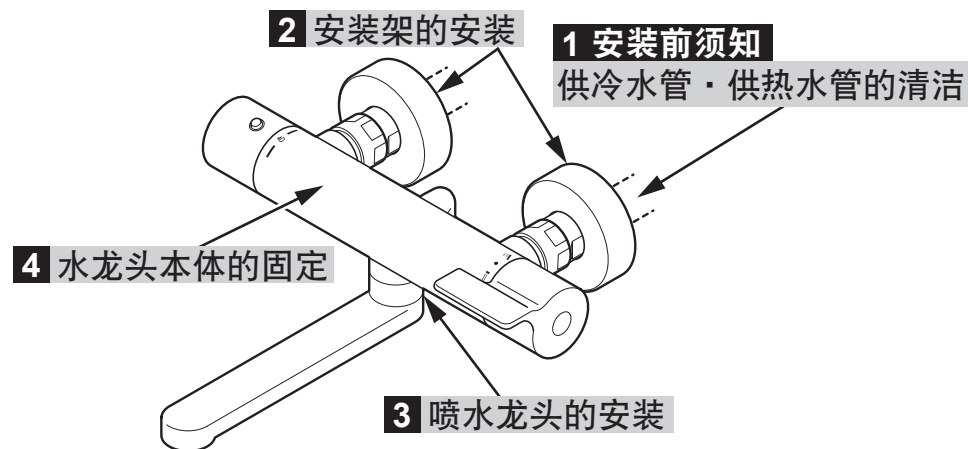
请确认有无下列零件。



※ 根据产品型号，图片与实物可能稍有差异。

6-1. 施工步骤

※ 施工步骤以淋浴室和浴室的水龙头为代表而登载。



1 安装前须知 供冷水管·供热水管的清洁

安装产品前，请务必完全除去供冷水管和供热水管内的垃圾以及灰尘并洗干净。

重要

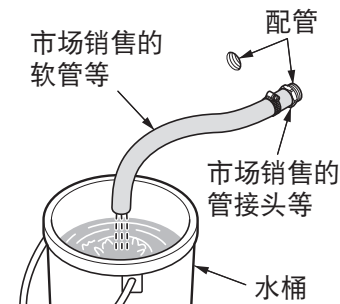
注意

否则，供冷水管和供热水管内的垃圾以及灰尘可能会堵住过滤网而导致下列现象。

- ①吐水量少
- ②难以进行温度调节

因此，请务必进行供冷水管和供热水管内的清扫。

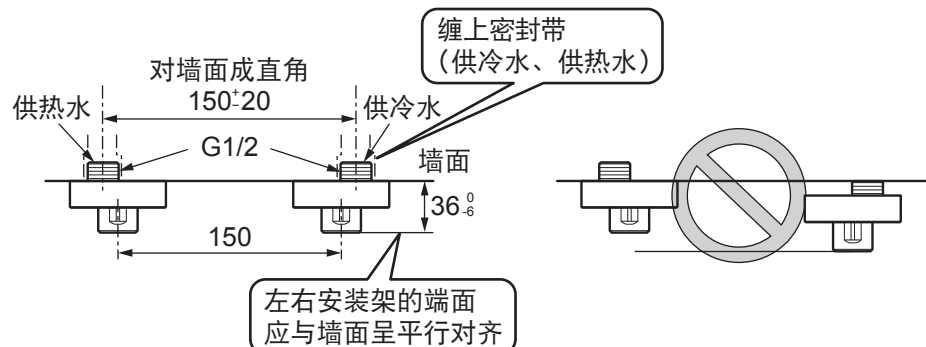
准备市场销售的软管和水桶，与安装架连接该软管等，然后慢慢地打开总开关，以便冲洗供冷水管和供热水管内的垃圾和灰尘。



2 安装架的安装

安装安装架。(供冷水侧 · 供热水侧)

(单位: mm)



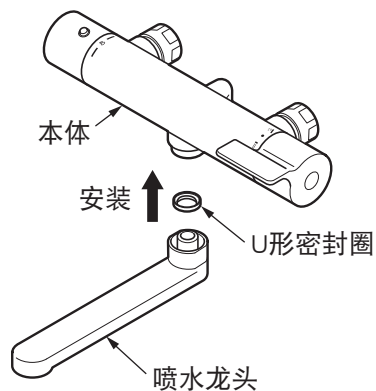
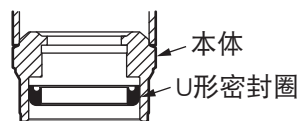
3 喷水龙头的安装

将喷水龙头安装在本体上。

注意

- 请注意U形密封圈的方向。U形密封圈的开着的方向为本体侧。
- U形密封圈脱落时, 请将U形密封圈插入本体侧。

U形密封圈的方向



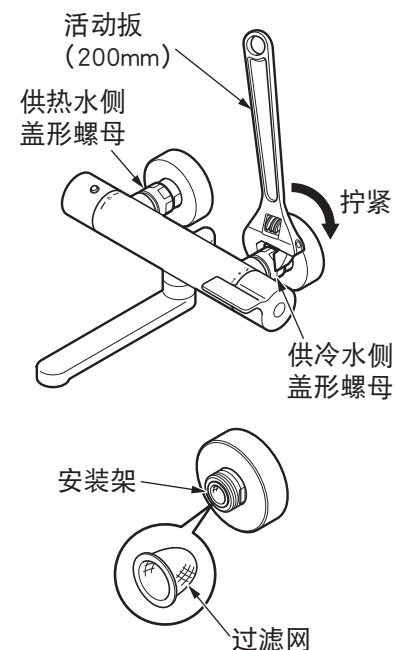
4 水龙头本体的固定

① 水龙头本体安装在安装架。

② 边进行调节边交替拧紧供冷水管和供热水管侧的盖形螺母, 以保持水平状态。

注意

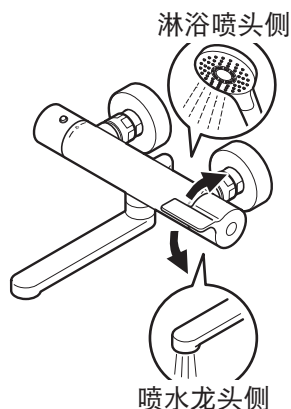
- 牢牢地拧紧盖形螺母, 以免发生松动现象。否则本体可能会倾斜而导致漏水。
- 切勿将安装架旋到松动方向。否则与配管的连接可能会松动而导致漏水。
- 确认有无密封圈。否则可能会导致漏水。
- 请确认可以将过滤网装进安装架中。



7-1. 施工后的调节

1. 吐水的确认

安装结束后，打开配管部的总开关，以确认水有无从喷水龙头和淋浴喷头出来。



2. 清洁过滤网和吐水口盖帽

安装结束后，请务必清洁过滤网和吐水口盖帽。

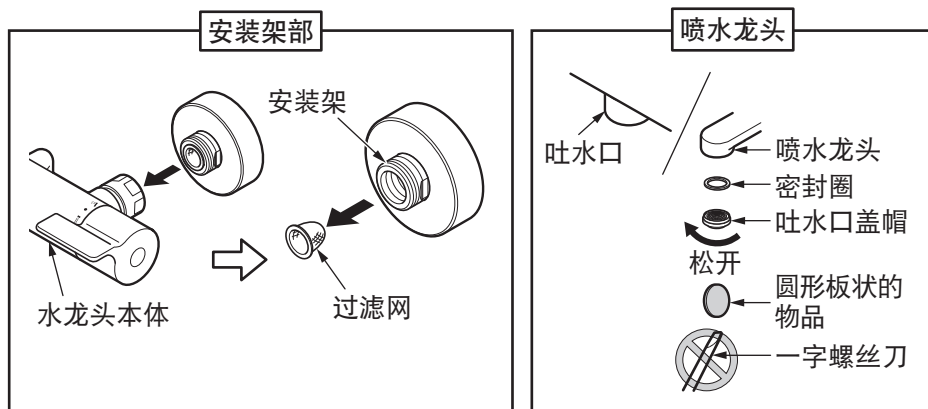
过滤网和吐水口盖帽堵塞时，不仅流量减少，而且造成仅仅出来冷水或热水的情况，从而不能有效地发挥产品功能。

※清洁过滤网时，先确实地关闭总开关，然后再拆下过滤网。

另外，必须确认本体左侧以及供热水侧的安装架部分已经处于不热的状态。

(详情请参照使用说明书内的「日常保养」之项。)

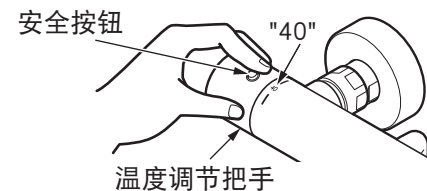
※拆下吐水口盖帽时，**切勿使用一字形螺丝刀等的尖端细的工具。**



3. 吐水温度的确认

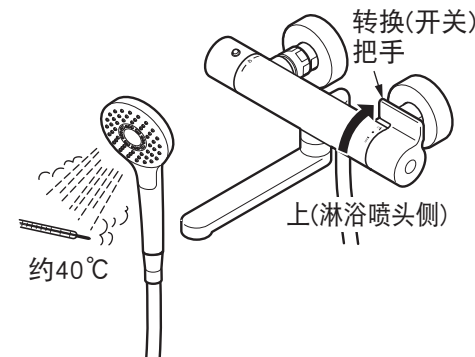
出厂时虽然温度调节把手已经设定好，但是根据使用条件(供冷水和供热水压力以及供冷水和供热水温度)不同，可能会有不能确保显示吐水温度的情况。请按如下要领进行确认。

1. 温度调节把手的安全按钮对准本体刻度的"40"。



2. 将转换(开关)把手向上侧旋至到底。

从淋浴喷头出水。



3. 确认吐水温度。

吐水温度约为40°C时，即可使用。

温度低时，升高热水供给设备的设定温度，直至喷出40°C的热水为止。

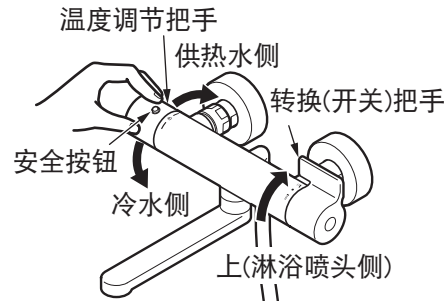
热水供给设备的设定温度不要超过60°C，以免烫伤。

如果热水供给设备的设定温度高于50°C，温度还是低时，需要重新调整把手。

4. 温度调节把手的设定

吐水温度与显示温度不一致时，才可执行把手的重新调整。

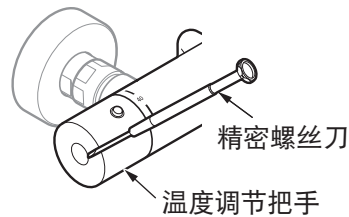
1. 将转换(开关)把手向上侧旋至到底。
从淋浴喷头出水。



2. 与刻度无关，将温度调节把手旋到喷出合适温度的热水之位置。
温度调节把手旋到超过刻度"40"附近，就会被锁定。需要40℃以上的热水时，边按下安全按钮边转动把手即可。

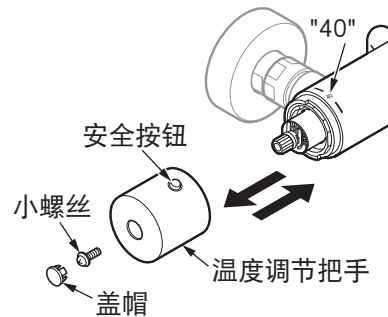
3. 拆下温度调节把手。

请注意避免使温度调节把手转动，拆下保护盖和小螺丝，以拔出把手。



4. 安装温度调节把手。

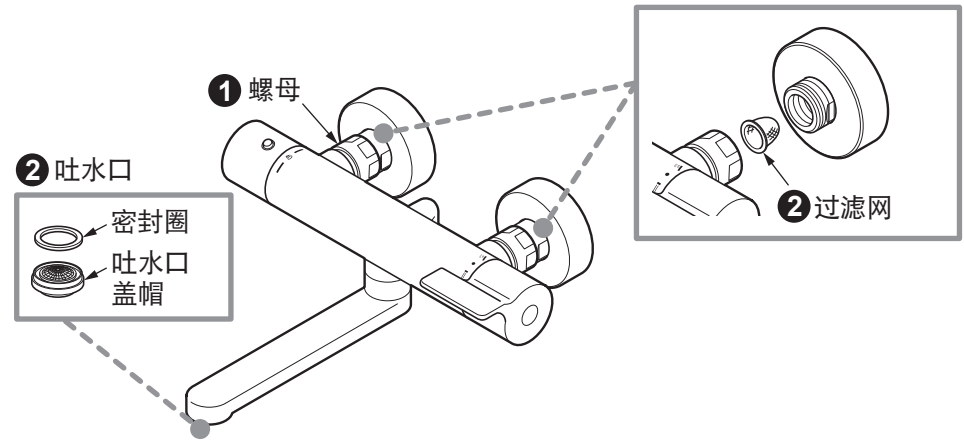
对准刻度"40"的文字和规定位置后插入温度调节把手，用小螺丝固定并安装保护盖。



5. 固定结束后，确认是否喷出合适的水温(约40℃)。

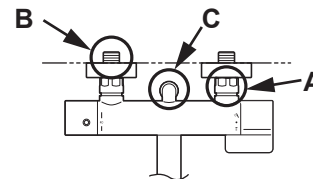
8. 检查项目

安装结束后，请确认下列项目。



漏水的确认

请确认有无漏水。



A·C处漏水之场合

确认有密封圈后，重新拧紧盖形螺母。

B处漏水之场合

请确认配管上无腐蚀和裂纹后，在该配管部重新缠上密封带进行安装。

确认有无松动现象

确认水龙头本体有无松动现象。

1 盖形螺母有无松动现象。

➡ **6-2. 4** 水龙头本体的固定 参照

流量和吐水温度的确认

流量少或难以进行温度调节时，请确认下列项目。

2 垃圾等是否堵住吐水口和过滤网。

➡ **7-1. 2.** 清洁过滤网和吐水口盖帽 参照

TOTO

Wall-mounted thermostatic faucet (for use in bathroom)

TBV03427B
TBV03429B
TBV03431B



Install the product according to this Installation Manual so that the product fulfills its function. When the installation is over, fully explain how to use the single handle faucet to the customer.



1. Safety Precautions (Be sure to follow all precautions for safety sake.)





Please read these Safety Precautions before installation work in order to install the product properly.




- This manual employs various indications in order to install the product properly and to prevent harm to the customer and other people, as well as damage to their properties. The indications and meanings are as follows.




- The contents you must observe are classified into the following symbols; their meanings are explained.

 WARNING	This indication means that if the content in the column of this indication is ignored or handled wrongly, death or serious injury may occur.
 CAUTION	This indication means that if the content in the column of this indication is ignored or handled wrongly, injury or property damage may occur.

	Indicates things that you must not do as "Prohibited". The left figure indicates that "Disassembly is Prohibited".
	Indicates things that you must do without fail as "Mandatory". The left figure indicates to "Execute it without fail".

 WARNING	
	Do not connect the cold water pipe and the hot water pipe reversely. Even if you try to turn on the cold water, the hot water comes out and may scald you.
	Do not use the water hotter than 85 °C. If the water hotter than 85 °C is used, the water may scald you and the life of the faucet may shorten causing it to break and leak water that may wet household articles and cause damage to your property.
	Do not disassemble or remodel the product with other items than what are described in this manual. Otherwise, the water may scald or injure you and the product may break and leak water that may wet household articles and cause damage to your property.

 WARNING	
	Be sure to control the temperature so that water comes out at the temperature shown on the scale. Under some conditions of use, water may not come out at the temperature shown on the scale and may scald you.
	When ready to clean the filter, surely close the water shutoff valve or the main valve. Also, make sure that the left side of the main unit and hot water side mounting legs are not hot. High-temperature hot water may run and scald you and property may be damaged if water leaks.

 CAUTION	
	Do not subject the product to strong force or impact. Otherwise, the product may break and leak water that may wet household articles and cause damage to your property.
	If the product is used in a place where freezing is expected, wrap insulation material around the pipes. Otherwise, the parts may break and leak water that may wet household articles and cause damage to your property.

2. Specifications

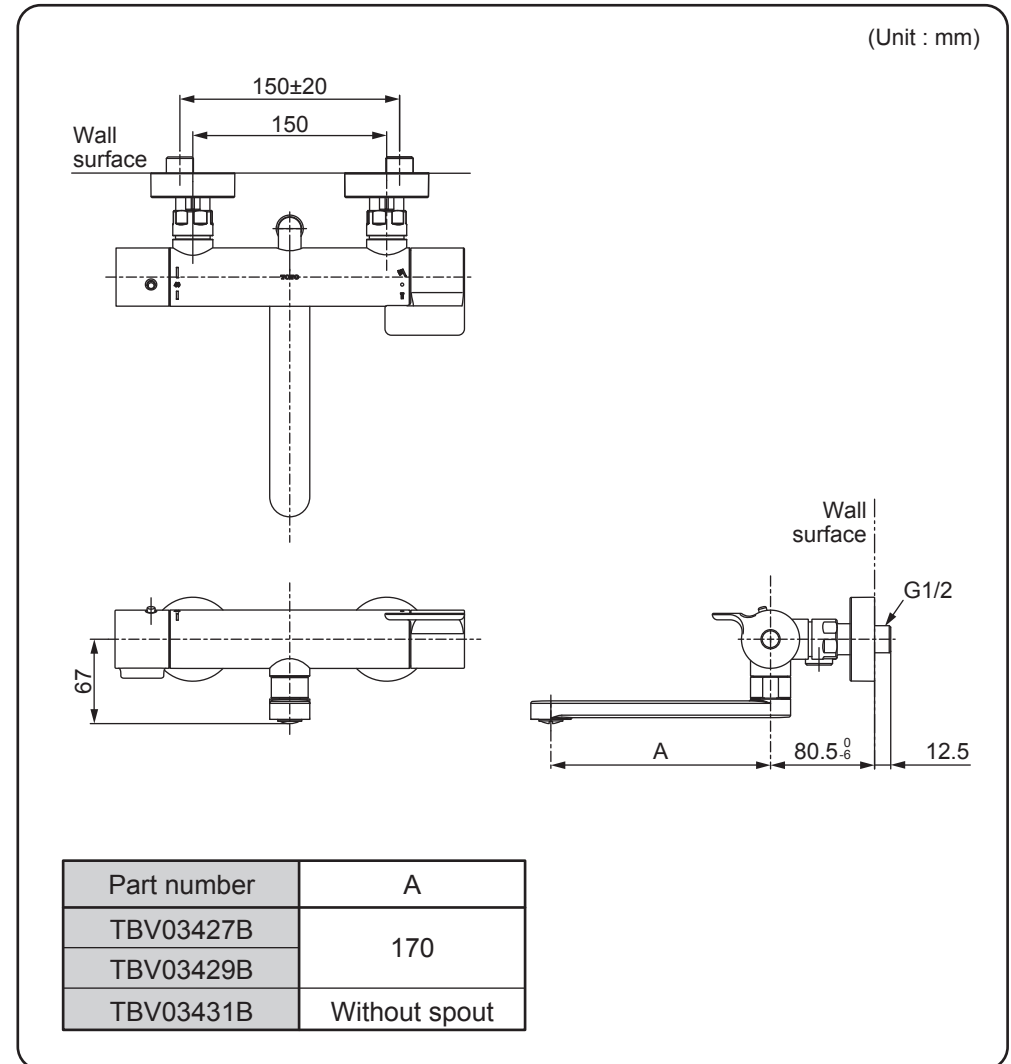
Cold / Hot water supply pressure	Minimum water pressure	0.05 MPa (Dynamic)
	Maximum water pressure	1.0 MPa (Static)
	Recommended water pressure	0.1-0.5 MPa (Dynamic)
Temperature water supply	4-90°C. Recommended hot water temperature 60°C	
Environmental temperature used	1-40°C	
Application	For bidet in general house	

3. Before anchoring the product

- In order to prevent scalding due to erroneous operation, be sure to set the cold water supply pressure higher than the hot water supply pressure or set them to the same pressure. Even when applying pressure to the hot water side, be sure to set the hot water supply pressure side lower than the cold water side.
- In order to prevent scalding, set the supplied hot water temperature of the hot water supplier to a temperature not exceeding 60 °C. In order to assure a comfortable discharged water temperature, we recommend you set it between 50 - 60 °C.
- Connect the hot-water supply pipe at a minimum length from the water heater in order to reduce resistance and be sure to wrap the water supply pipe with thermal insulation.
- Since the flow is examined before packaging the product, some water may remain in the product, but nothing is wrong with the product.

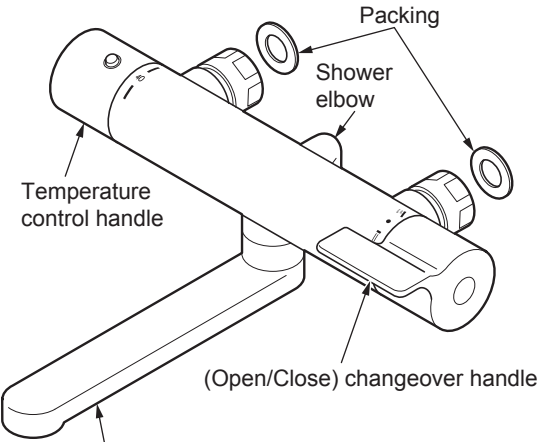
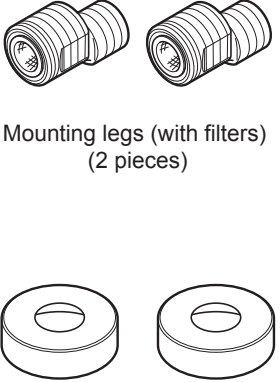

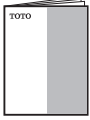
4. Completion Drawing

*There are slight differences in shape between drawings and some parts according to the part number.



5. Identification of Parts

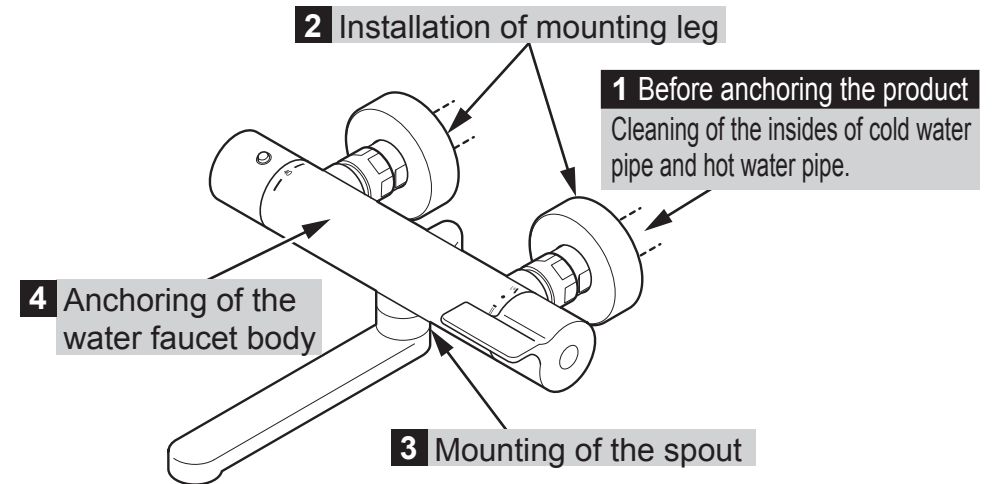
Check to see if the following parts are included

Water faucet body	Mounting leg
 <p>Packing</p> <p>Shower elbow</p> <p>Temperature control handle</p> <p>(Open/Close) changeover handle</p> <p>Spout (The shower faucet has no spout.)</p>	 <p>Mounting legs (with filters) (2 pieces)</p> <p>Flange (x2)</p>
Others	
 <p>Installation Manual</p>	<div style="border: 1px dashed black; padding: 5px; text-align: center;"> <p>Hand it over to customer.</p>  <p>Instruction Manual</p> </div>

*There are slight differences in shape between drawings and some parts according to the part number.

6-1. Installation procedures

*The descriptions of installation procedure are inserted as the representative installation procedure of shower bath water faucet.



1 Before anchoring the product Cleaning of the insides of cold water pipe and hot water pipe.

IMPORTANT

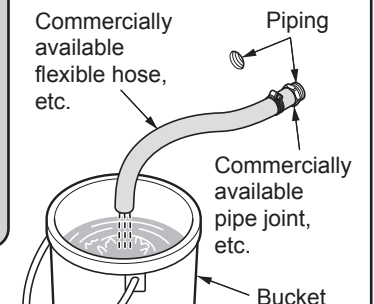
Before mounting the product, **be sure to completely flush dust and sand from the pipes of the cold/hot water supplier.**

CAUTION

If you do not clean the inside of the cold/hot water supply pipes, dust and sand inside the cold/hot water supply clog the filter and the following phenomenon occurs.

1. Discharged water volume is small.
 2. Temperature cannot be controlled well.
- Be sure to clean the insides of the cold-/hot-water supply pipes.**

Prepare a flexible hose and a bucket, connect the flexible hose to the mounting legs, and open the main valve slowly to flush out the dust and sand accumulated in the cold/hot water supply pipes.

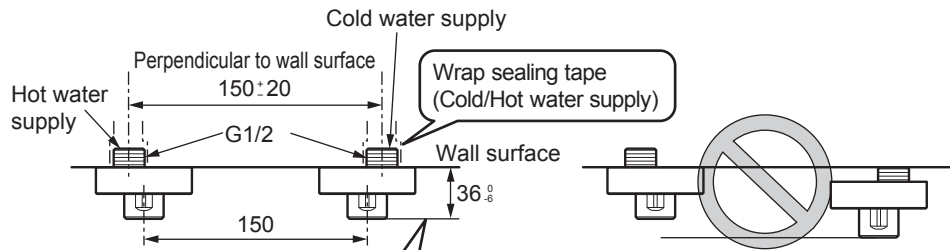


6-2.

2 Installation of mounting leg

Mount the mounting legs. (Cold water side and hot water side)

(Unit : mm)



The end surfaces of the right and left mounting legs should be horizontal and flush with the wall surface.

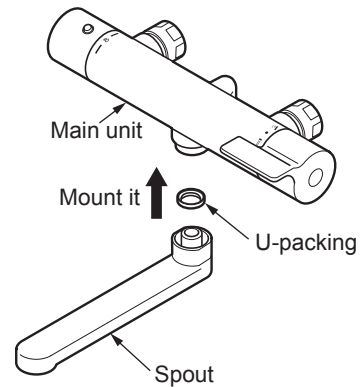
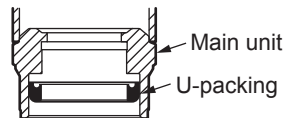
3 Mounting of the spout

Mount the spout on the main unit body.

CAUTION

- Pay attention to the direction of the U-packing. The open side of the U-packing is the main unit body side.
- If the U-packing is removed, mount the U-packing on the main unit side.

Direction of U-packing



4 Anchoring of the water faucet body

1. Mount the water faucet main body to the mounting leg.
2. Tighten the cap nuts on hot water side and cold water side alternately while holding the product horizontal.

CAUTION

- Tighten the cap nuts securely so that they are not loose.

If the cap nuts are not tightened securely, the main unit body may lean or water may leak.

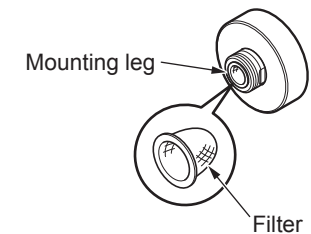
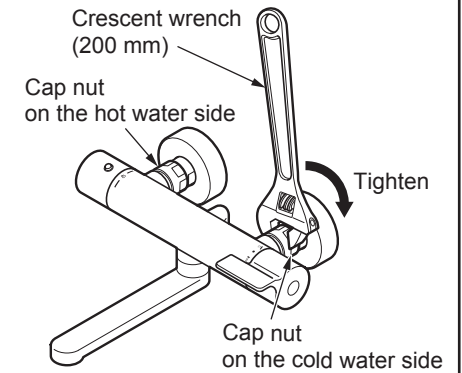
- Do not turn the mounting leg in the direction in which it is loosened.

The connection with the pipe may be loosen and cause water leakage.

- Make sure the packing is mounted.

If the packing is not mounted, water may leak.

- Make sure that the mounting legs contain the filters.

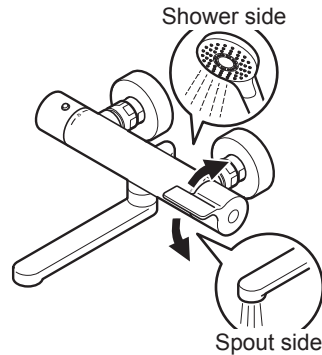


Continues to backside cover.

7-1. Adjustment after installation

1. Check of water flow

After the completion of mounting, open the main valve of the pipes and check if water comes out from the spout and the shower.



2. Clean the filter and cap of the water discharge port.

When finished mounting the product, be sure to clean the filter and the cap of the water discharge port.

If the filter and the discharged water cap are clogged, the flow rate decreases or only cold water or scalding hot water comes out. Thus, the product will not be able to exert the sufficient performance.

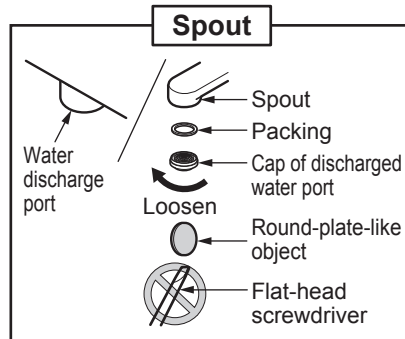
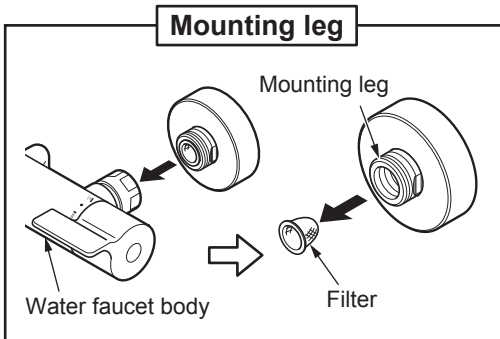
Please explain to the customer to clean the product from time to time.

*When cleaning the filter, close the main valve surely and dismantle the filter.

In addition, make sure that the left side of the main unit body and the mounting legs of the hot water side are not hot.

(For details, please refer to "Daily Care" in the instruction manual.)

*When removing the discharged water cap, do not use a thin-tipped tool such as a flat-blade screwdriver, etc.

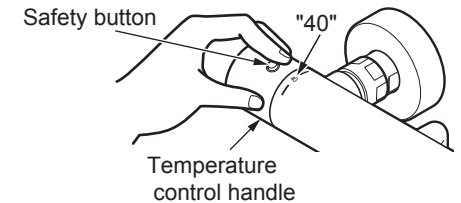


3. Check the discharged water temperature

The temperature control handle is set at the factory, but the water discharge temperature may not be as displayed due to the conditions of use (cold/hot water supply pressure and temperature).

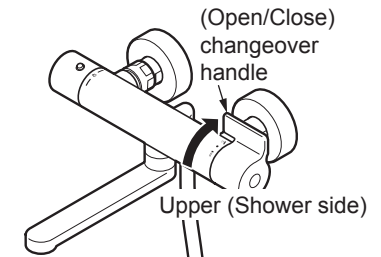
Check the temperature as follows.

1. Set the safety button of the temperature control handle to "40" on the scale of the main unit.



2. Turn the (open/close) changeover handle up to the upper limit.

Water comes out from the shower.

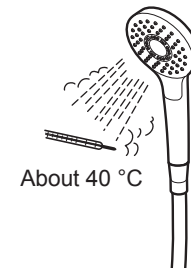


3. Check the water discharge temperature.

If the water discharge temperature is about 40 °C, use the product as it is. If the temperature is low, raise the set temperature of the hot water supplier until 40 °C hot water comes out.

To prevent scalding, set the hot water supply temperature of the hot water supplier to a temperature not exceeding 60 °C.

Even if the temperature of the hot water supplier is higher than 50 °C, the handle setting is necessary if the temperature is low.



4. Setting of temperature control handle

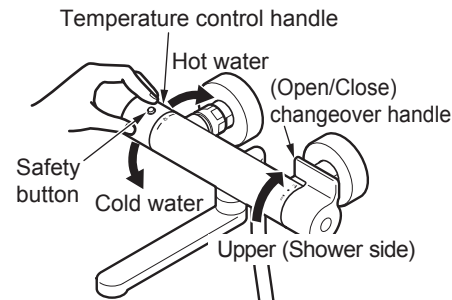
Perform this procedure if the water discharge temperature is not the same as the indication.

1. Turn the (open/close) changeover handle up to the upper limit.

Water comes out from the shower.

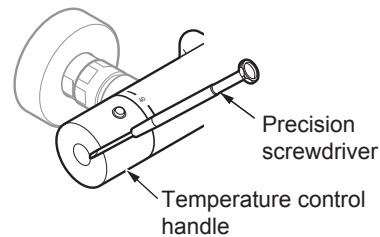
2. Turn the temperature control handle to the position where hot water of appropriate temperature (about 40 °C) comes out regardless of the number on the scale.

Since the temperature control handle locks just above "40" on the scale, turn the handle while the safety button is pressed if you want to let a hot water of the temperature higher than this come out.



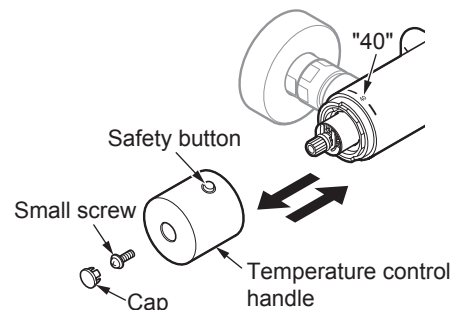
3. Remove the temperature control handle.

While paying attention so that the temperature control handle does not turn, remove the cap and small screw and pull out the handle.



4. Mount the temperature control handle.

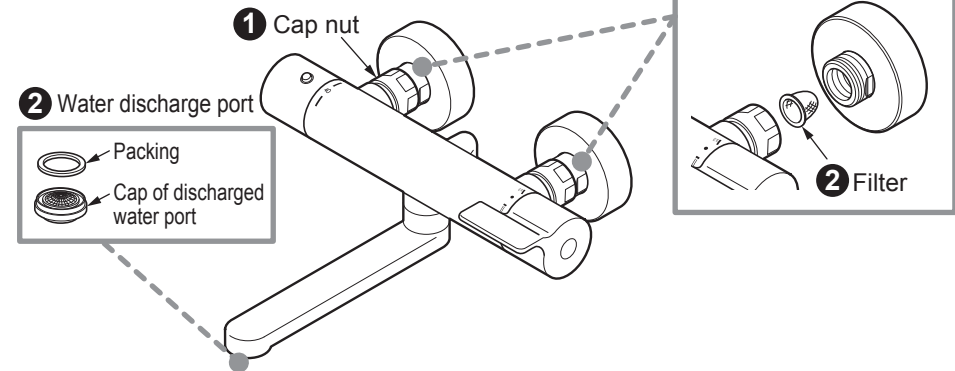
Set it to the number "40" on the scale and insert the temperature control handle, anchor it with the small screw and mount the cap.



5. After anchoring, check to see whether hot water of appropriated temperature (about 40 °C) comes out.

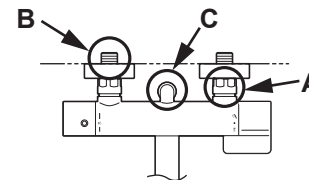
8. Checking items

After finished mounting the product, check the following points.



Checking for water leakage

Check if water leaks.



Case when water leaks from A and C

After confirming that the packing is mounted, retighten the cap nut one more time.

Case when water leaks from B

After making sure that the pipe is not corroded or cracked, wrap the sealing tape around the pipe again and remount it.

Check for looseness

Check to see if the water faucet body is loose.

1 Is the cap nut loose?

↳ 6-2 - 4 Ref. Anchoring of the water faucet body

Check of flow rate and discharged water temperature

If water flows slowly or the temperature cannot be controlled properly, check the following points.

2 Are the water discharge port and filter clogged with dust and dirt?

↳ 7-1. Ref. 2. Clean the filter and cap of the water discharge port.