

# 施工说明书

## Instructions for construction

安装产品前请仔细阅读本施工说明书，并保留备用。  
Before product installation, read these instructions for construction carefully and retain it for future reference.

# TOTO

# TOTO

OG405Y(D)  
2021.10

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# 明细单

## 明细单

埋入盒装本体部	1套
接 头	4个
堵 头	1个
防水布	1个
施工说明书	1本

使用此明细单的产品包括：  
TBN01001\* 埋入盒装本体部

# 使用条件

## 使用条件

### 1. 供冷水\* 供热水压强

最低压强..... 0.05MPa (流动压)

最高压强..... 1.0MPa (静压)

推荐使用压强..... 0.1-0.5MPa (流动压)

超过0.5MPa要加装减压阀。

检测压强..... 1.6MPa (静压)

2. 供水温度在4℃~90℃，建议使用热水温度60℃，供热水请勿使用蒸汽。
3. 使用环境温度0℃以上。如果低于0℃，水嘴会出现变形、冻裂等现象。
4. 长时间不使用时，可能导致水嘴内部及外部锈蚀不能使用等现象。
5. 如果您需要废弃本产品，请勿将其作为一般生活垃圾处理，请依照法规经由独立的回收体系进行合适的处理，恢复和回收。

※为了达到最好的安装与使用效果，水嘴本体推荐与「TOTO」其它系列产品配套使用。

# 施工上的注意与保养

## 施工上的注意

-  **警告** 表示如果无视此标志而误操作时，有可能造成人员重伤或死亡。
-  **注意** 表示如果无视此标志而误操作时，有可能造成人身伤害或财产损失。

### 警告

1. 水嘴的供热水一侧处于高温状态，请勿使皮肤直接接触五金配件表面，否则可能会烫伤。
2. 请勿配反冷\*热水配管，否则可能会烫伤。
3. 供热水请勿使用蒸汽，否则可能会烫伤。

### 注意

1. 请勿撞击本产品，否则可能会造成故障、漏水。
2. 随着产品式样的不断更新，实物存在与图示不符的情况，但基本安装、使用原理相同。
3. 在可能结冰的场所使用时，要切实做好防冻措施。  
因结冰，零件破损，有可能导致漏水，造成财产损失。因结冰而造成的破损即使在保修期内也是有偿修理。请不要让产品的环境温度低于0℃。

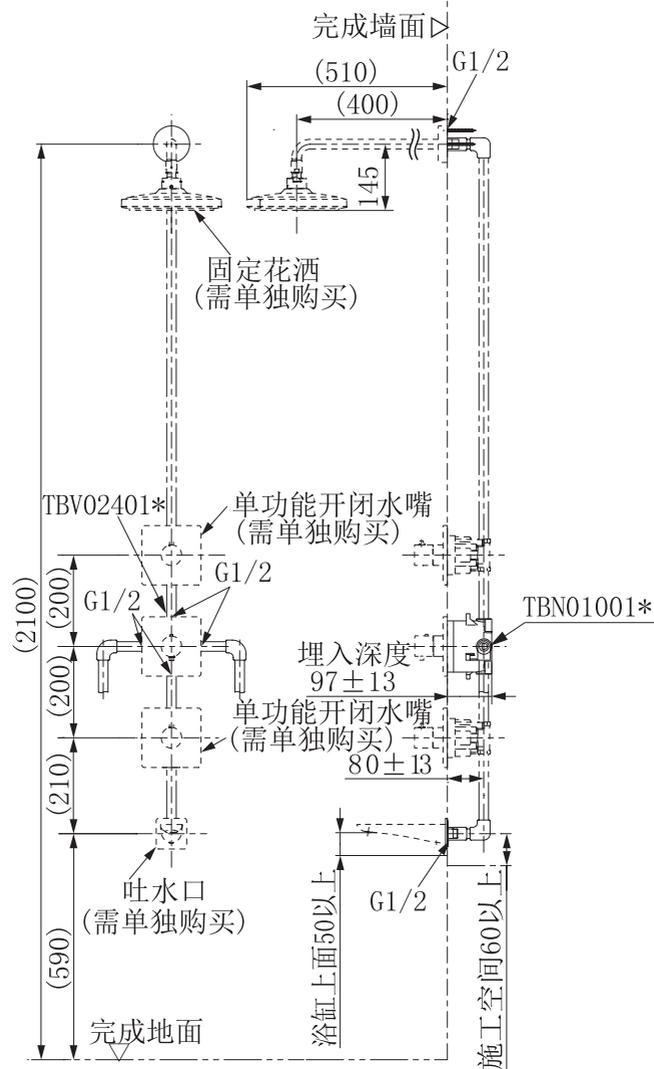
### 防冻措施

在可能结冰的场所使用时，要切实做好防冻措施。

1. 产品结冰的话零件损坏，成为漏水的原因。
2. 因结冰造成的零件破损即使在保修期也是有偿修理。
3. 施工完了后或长时间不使用时，要有预防突然降温的准备，要对产品进行结冰预防。
4. 因为有结冰的危险，请不要让产品周围的温度在0℃以下。

# 安装完成图

TBN01001\* 埋入盒装本体部与「TOTO」的单恒温水嘴等其它产品的推荐搭配示意图。

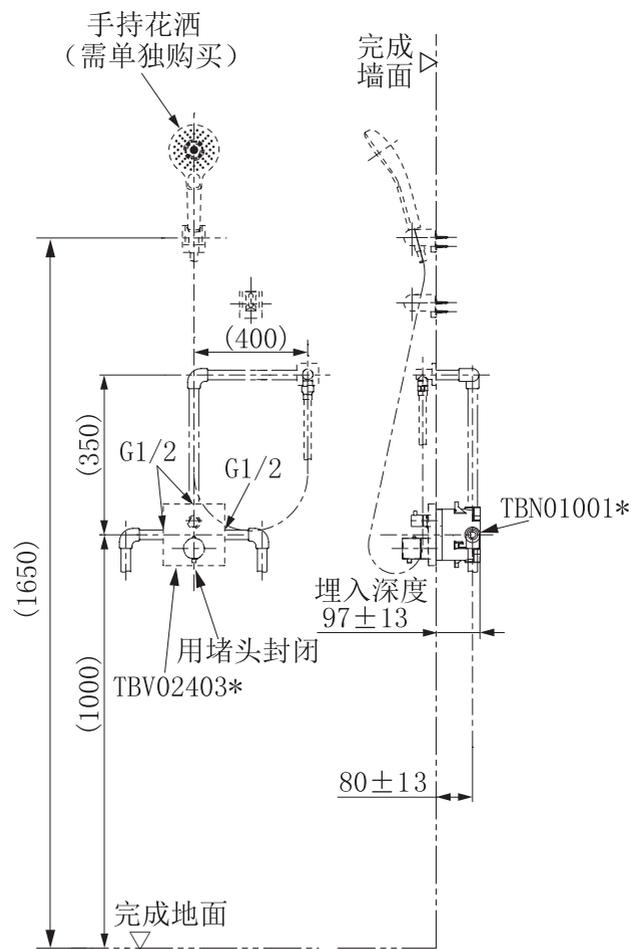


※注：① 上記尺寸单位为mm，( )内尺寸为参考尺寸。

② TBV02401\* 还可用TBV01406\* 替换与TBN01001\* 搭配组合。

# 安装完成图

TBN01001\* 埋入盒装本体部与「TOTO」的单功能带止水功能水嘴等其它产品的推荐搭配示意图。

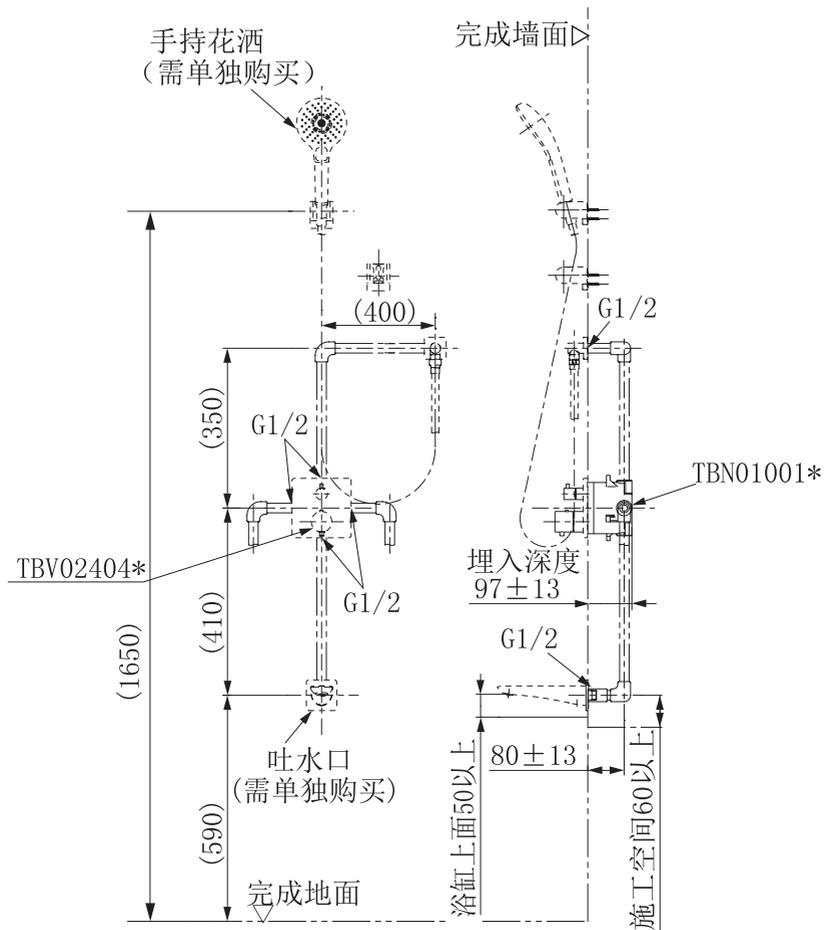


※注：① 上記尺寸单位为mm，( )内尺寸为参考尺寸。

② TBV02403\* 还可用TBV01407\*、TBV02406\*、TBG01303\*、TBG02303\*、TBG03303\*、TBG04303\* 替换TBN01001\* 搭配组合。

# 安装完成图

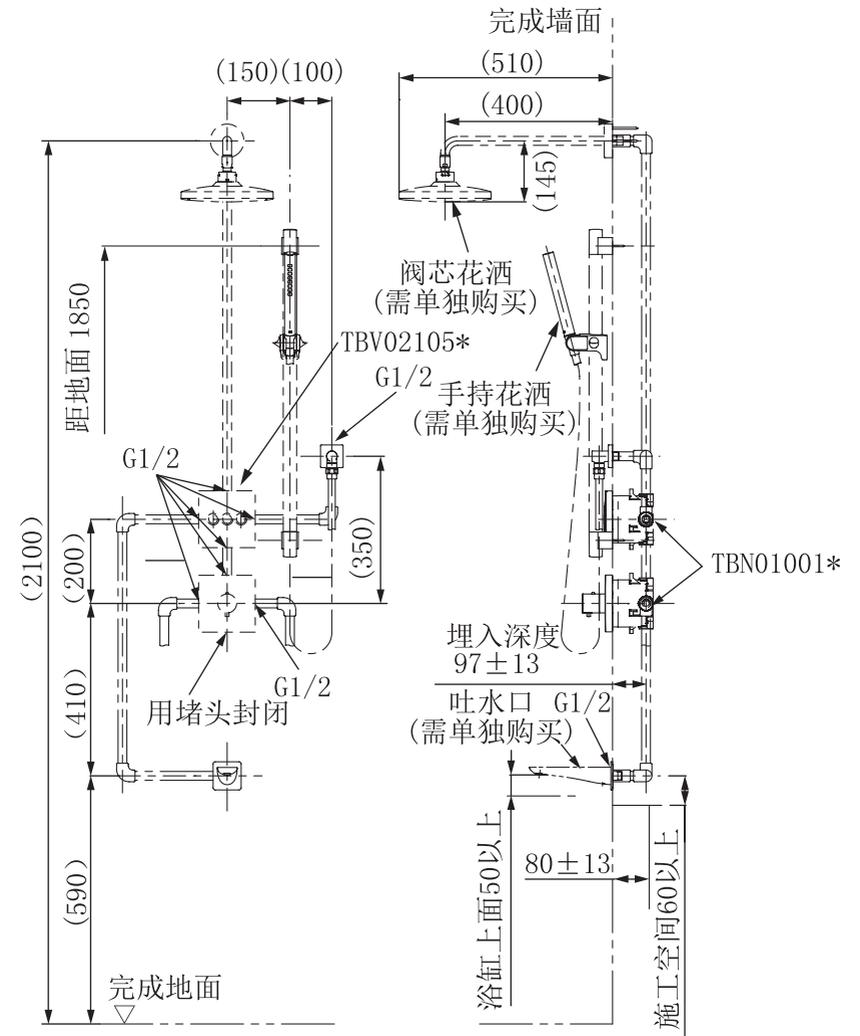
TBN01001\* 埋入盒装本体部与「TOTO」的两功能切替带止水功能的水嘴等其它产品的推荐搭配示意图。



※注：① 上記尺寸单位为mm，( )内尺寸为参考尺寸。  
② TBV02403\*还可用TBV01408\*、TBV02405\*、TBG01304\*、TBG02304\*、TBG03304\*、TBG04304\*替换TBN01001\*搭配组合。

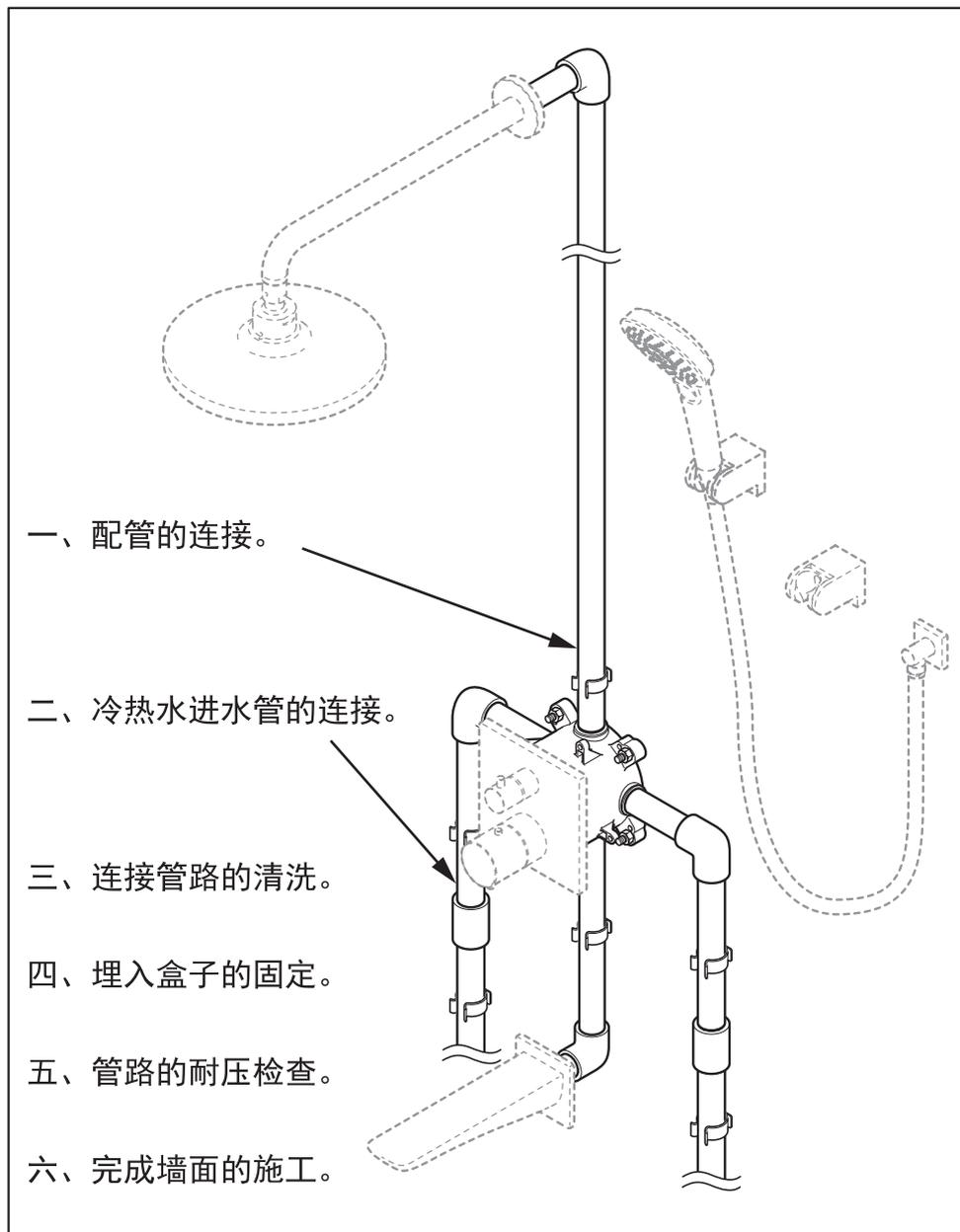
# 安装完成图

TBN01001\* 埋入盒装本体部与「TOTO」的三向转换水嘴等其它产品的推荐搭配示意图。



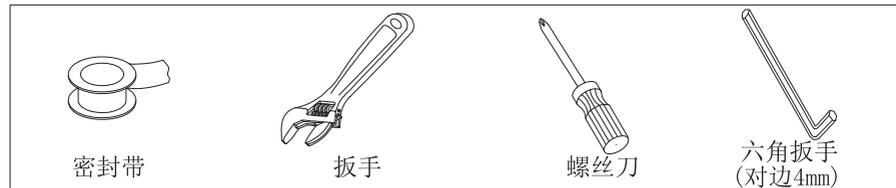
※注： 上記尺寸单位为mm，( )内尺寸为参考尺寸。

# 水嘴的安装



# 水嘴的安装

## 安装前准备的工具

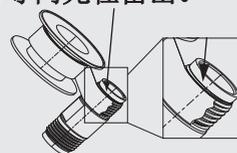


## 一、配管的连接。

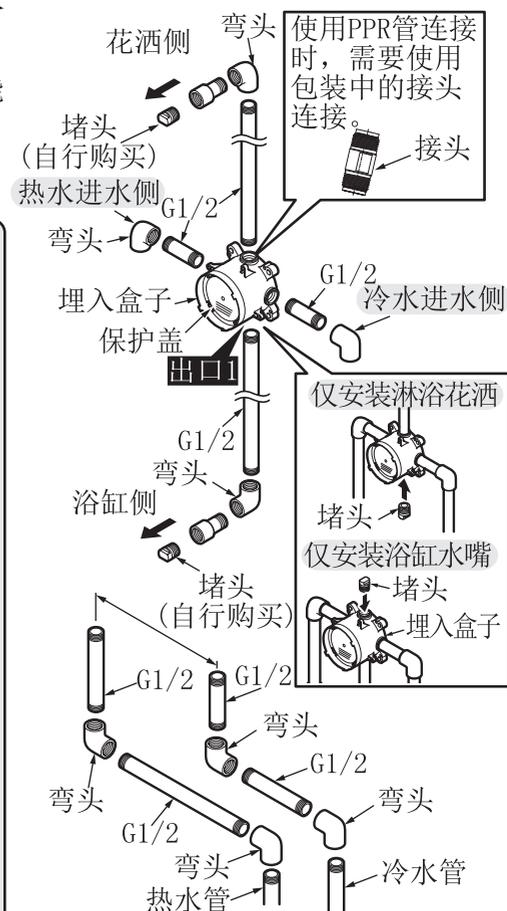
- ①. 左侧为热水进水管路，右侧为冷水进水管路。
- ②. 上下为两个出水方向。与单功能水嘴配套时，需要堵住一侧出水口，堵头在产品包装中有。

### 注意

- 连接时，请另外准备市场上销售的管道构件。
- 连接部位请务必使用管道用密封材料。
- 接头施工时，缠绕密封带时注意将导向光径留出。



- 接头施工时，遇到旋入卡阻时，不要强力施工，请稍微回旋后，重新旋入进行施工。
- 注意请勿丢失保护盖。
- 埋入盒子可以连接淋浴花洒和浴缸水嘴。采用浴缸水嘴时，请将浴缸水嘴连接到出口1。
- 仅安装淋浴花洒或者仅安装浴缸水嘴时，请使用包装中的堵头，堵住不使用的管道连接口。



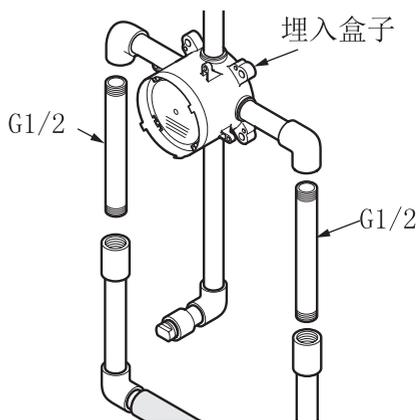
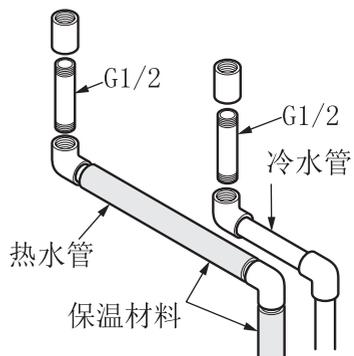
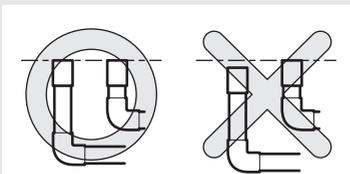
# 水嘴的安装

## 二、冷热水进水管的连接。

- ①准备好冷水管和热水管
- ②将冷水管和热水管连接到上一步骤的配管上。

### 注意

- 连接部位请务必使用管道用密封材料。
- 请在热水管上包裹保温材料。
- 冷水管和热水管请安装在同一高度。



## 三、连接管路的清洗。

- ①打开冷热水进水阀，对整个管路进行了清洗。方法同步骤五管路的耐压检查中
- ③详细说明。

### 注意

- 管路清洗时，需要拆除花洒侧和浴缸侧堵头。此两处堵头作为耐压检查时使用，需要客户自行购买。
- 务必进行管路清洗，因管路内的灰尘和沙粒等会堵塞滤网导致水嘴出水量减少，无法顺利调节温度等现象。

# 水嘴的安装

## 四、埋入盒子的固定。

- ①如右图所示，面对埋入盒子正面，水平安装埋入盒子，热水管位于左侧，冷水管位于右侧。

### 注意

埋入盒子上下左右皆对称。所有的连接口相同。如果左侧连接热水，右侧连接冷水，则出口方向变为上下方向。

- ②安装时所使用螺丝的直径。

- 底面凸缘孔径- $\phi 10$
- 侧面凸缘孔径- $\phi 5.5$

固定时，请另外准备市场上销售的能够插入凸缘孔径的螺丝。

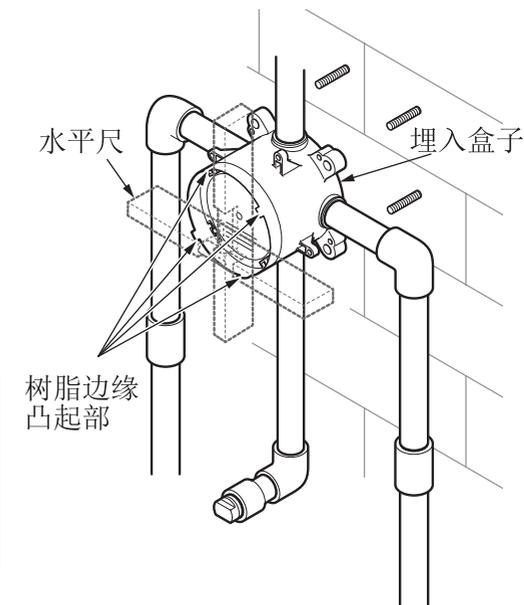
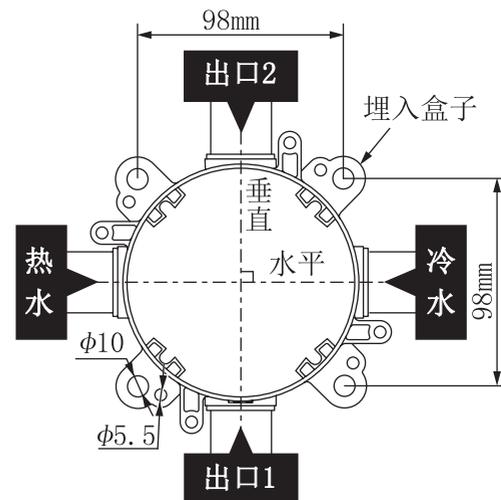
### 注意

冷水管和热水管以及各管道，请使用管道支架等进行充分固定，以免水嘴发生晃动。

- ③安装时请务必保持上下、左右的水平与垂直。水平尺需紧贴埋入盒子树脂边缘凸起部。

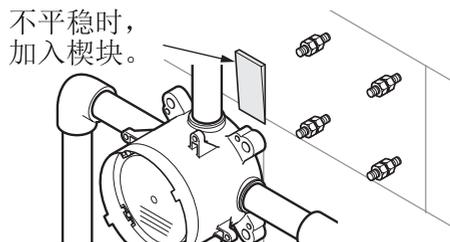
### 注意

- 埋入盒子可以连接淋浴花洒和浴缸水嘴。采用浴缸水嘴时，请将浴缸水嘴连接到出口1。

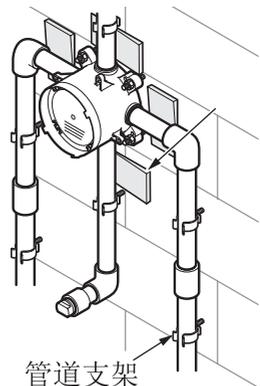


# 水嘴的安装

④管道和保温材料等与安装壁面不平稳时，请在安装壁面与埋入盒子之间加入楔块，进行调节。

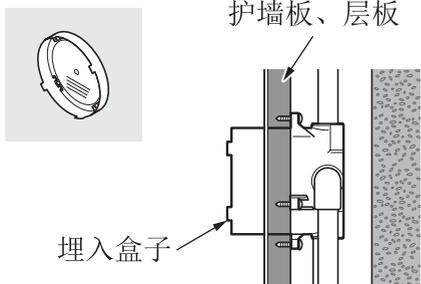


⑤将埋入盒子固定到墙壁上，此时应该确定完成墙面在埋入盒子外标示的施工范围内。



## 安装到一体化浴室等，护墙板和层板上。

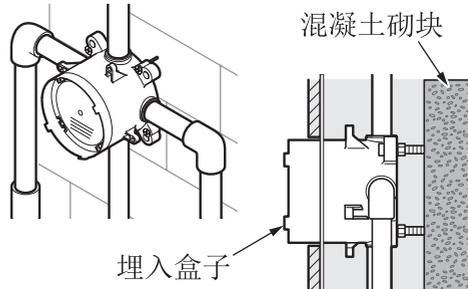
请使用Φ5以下安装螺丝，将产品跟前侧的安装孔固定到加工面的背后。



请根据需要另外准备安装螺丝。

## 安装到混凝土砌块

请使用Φ9以下安装螺丝，（六角螺栓或者方头螺丝），将主体固定到壁面上。



# 水嘴的安装

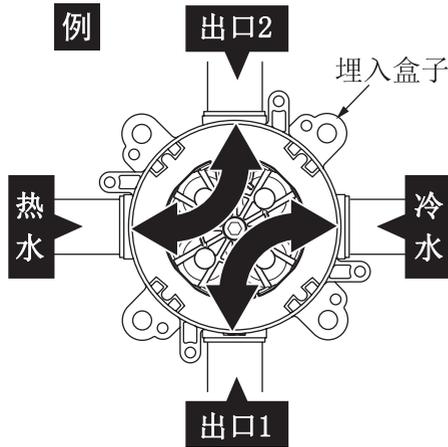
## 五、管路的耐压检查

- ①请务必进行管路的清洗。
- ②管路连接后，**向埋入盒子输水，检查确认连接部位有无漏水。**

### 注意

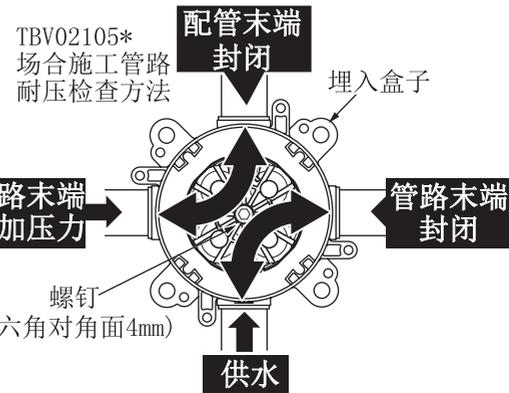
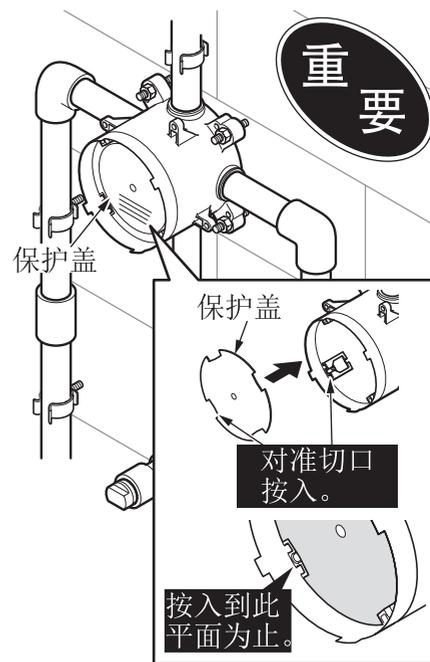
请勿丢失保护盖，耐压检查完后，请按图示位置放回埋入盒子里面。

例



- ③以上图为例，清洗及耐压检查水的流向，安装了冲洗盖时的进水和出口的方向。  
冷水、入口→出口1  
热水、入口→出口2

仅使用一个出口时，请将冲洗盖旋转90度，分别对热水侧和冷水侧进行清洗及耐压。  
※如果连接位置不同，出口1、出口2位置有可能颠倒不同。



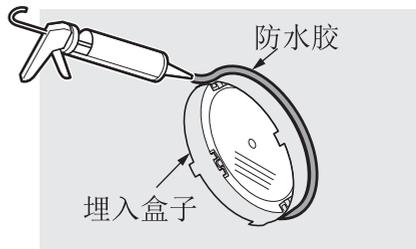
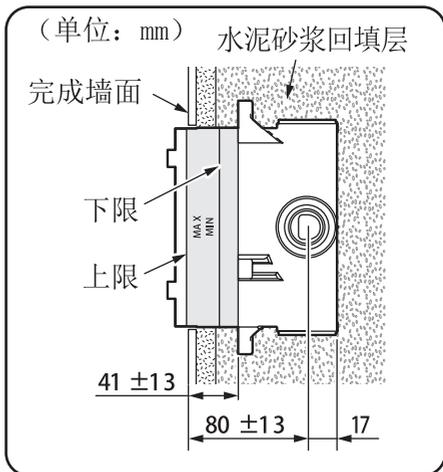
# 水嘴的安装

## 六、完成墙面的施工。

### 1. 使用水泥砂浆等回填。

#### 注意

- 回填时请注意水泥砂浆等不要侵入到养护罩内侧。
- 不使用水泥砂浆等进行回填时，冷水管和热水管以及各管道，请使用管道支架等进行充分固定，以免水嘴发生晃动。
- 注意水泥砂浆回填时注意完成墙面在施工范围内。

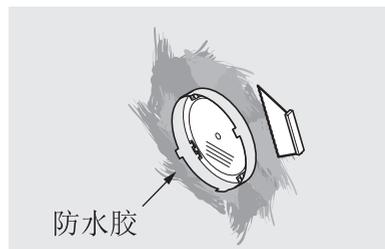


### 2. 防水布施工

① 在埋入盒子的边缘和和壁面之间的缝隙处,涂防水胶,进行防水处理。

② 用刮板将防水胶刮平整。

③ 将防水布套入埋入盒子上并压实,需紧贴墙面。

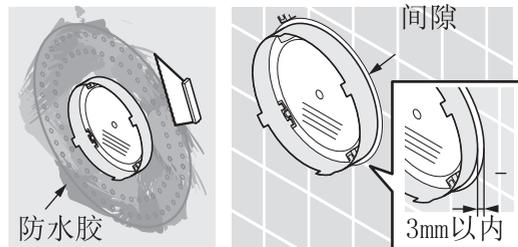
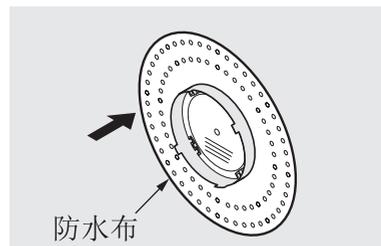


# 水嘴的安装

④ 在防水布上再涂上一层防水胶,用刮板刮平整。等待防水胶干好后进行完成墙面施工。

#### 注意

- 埋入盒子的边缘与完成墙面的间隙在3mm以内。

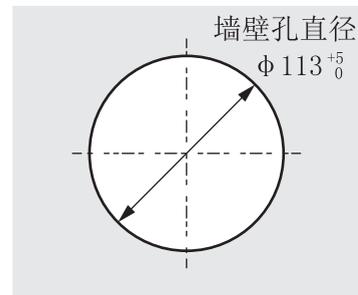
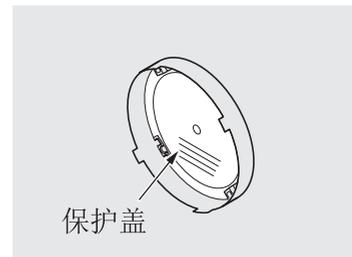


### 3. 完成墙面施工

① 完成墙面施工时,完成墙面在埋入盒子外标示的施工范围内。

#### 注意

- 如果超出施工范围,则无法正常安装其它功能部,所以完成墙面加工时,请仔细核准后进行。
- 完成墙面安装位置的开口如果超过了规定尺寸,则无法正常安装功能部,所以完成墙面安装位置的开口请设定在  $\phi 113^{+5}_0$  范围内。
- 保护盖、冲洗盖,在安装功能部之前,请保持原状。



# 产品保修卡

用户	
销售安装店	
购买日	
保修期	自购买日起本体及阀芯保修有效期5年， 其余部件保修期为1年

\*若上栏内容未记全，该产品保修卡将视为无效。因此请用户购买时对记入内容进行确认。

\*本产品保修卡中的保修项目仅限于产品保修卡中所约束的免费维修项目进行维修。

\*在保修期间，若产品发生故障（漏水、渗漏），请拨打全国售后服务电话报修。

## 维修规定

1. 保修期间，在用户正确按说明书、不干贴等指示，使用本公司产品的情况下，本公司将对有故障产品进行免费维修。
2. 在保修期内发生损坏需要得到免费维修时，请拨打全国售后服务电话报修。
3. 在保期内，下面所列场合的维修为有偿维修。
  - ①使用不当或私自进行的不当修理及改造所造成的故障及损伤。
  - ②安装施工时的不注意或过失造成的故障及损伤。
  - ③安装后又拆移等原因造成的故障及损伤。
  - ④超出使用范围以外的场合下使用本产品所造成的故障及损伤（如家庭用品作为业务上商品使用。）
  - ⑤砂粒或污物等造成的损伤。
  - ⑥由于日常的维护保养不当造成的肮脏、电镀部分生锈等不良。
  - ⑦由于火灾、地震、水灾、雷击及其他天灾、公害、气害（液化气）、盐害及异常电压、使用指定外的电源（电压、频率）等原因造成的故障及损伤。
  - ⑧本产品保修卡没指定的场合。
  - ⑨本产品保修卡中用户姓名、销售店、安装店、购买日期未填写的场合。
  - ⑩不能出示购买发票的场合。
  - ⑪由结冰引起的故障。
4. 本产品保修卡只在中国境内有效。（香港、澳门、台湾地区除外）
5. 本产品保修卡丢失不补，请顾客妥善保管。

# 合格证

本品经检查判定合格

执行标准：GB18145-2014

产品型号：见包装箱上的标签

产品名称：见包装箱上的标签

生产日期：见包装箱上的标签

组装工厂：东陶（大连）有限公司

电 话：（0411）87624383

厂 址：大连经济技术开发区东北二街17号

东陶(中国)有限公司

全国售后服务电话：800-820-9787(固定电话)

400-820-9787(手机用户)

销售商：东陶(中国)有限公司

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# Detailed list

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Detailed list	
MINI UNIT .....	1 set
Adaptor .....	4 pieces
Plug .....	1 piece
Waterproof cloth .....	1 piece
Instructions for construction .....	1 copy
 The products using this detailed list include: TBN01001* MINI UNIT	

# Use condition and attentions in construction

## Use condition

### 1. Cold water supply\*hot water supply pressure

Minimum pressure ..... 0.05MPa (flow pressure)

Maximum pressure ..... 1.0MPa (static pressure)

Recommended service pressure.....0.1-0.5MPa (flow pressure)

It is required to provide a pressure-reducing valve when exceeding 0.5MPa.

Testing pressure.....1.6MPa (static pressure)

2. The temperature for water supply is 4~90°C. It is suggested to use the temperature of 60°C. Do not use steam to supply hot water.

3. The ambient temperature for use is above 0°C. If the ambient temperature is lower than 0°C, the faucets will deform and crack from freezing.

4. Being out of use for a long time may result in internal and external rust to the faucets and being unable to be used.

5. If you want to scrap this product, do not treat it as you do for general household garbage. Please follow relevant statutes to have it treated, recovered and collected appropriately by an independent recovery system.

※ To attain the best installation and operation effect, it is recommended that the faucet should be used with the handheld series shower from TOTO.

# Attentions in construction and maintenance

## Attentions in construction

 Warning: it means that ignoring this mark and misoperation may cause serious personal injury and death.

 Attention: it means that ignoring this mark and misoperation may cause personal injury or property loss.

### Warning

1. The hot water supply side of the faucets is in a condition of high temperature. Do not allow skin to contact with the hardware surface directly. Otherwise, scalding may occur.
2. Do not reverse the cold\*hot water pipes. Otherwise scalding may occur.
3. Do not use steam to supply hot water. Otherwise, scalding may occur.

### Attentions

1. Do not impact the product. Otherwise, failure, water leakage may occur.
2. With the product design being updated constantly, the physical object may not coincide with the figure. However, the basic principle for installation, use is the same.
3. When using in places where icing may occur, anti-freezing measures must be taken. The parts will be damaged due to icing, which may cause water leakage and property loss. Damages caused by icing are repaired for a fee even during the warranty period. Please ensure that the ambient temperature of the product is always above 0°C.

## Anti-freezing measures

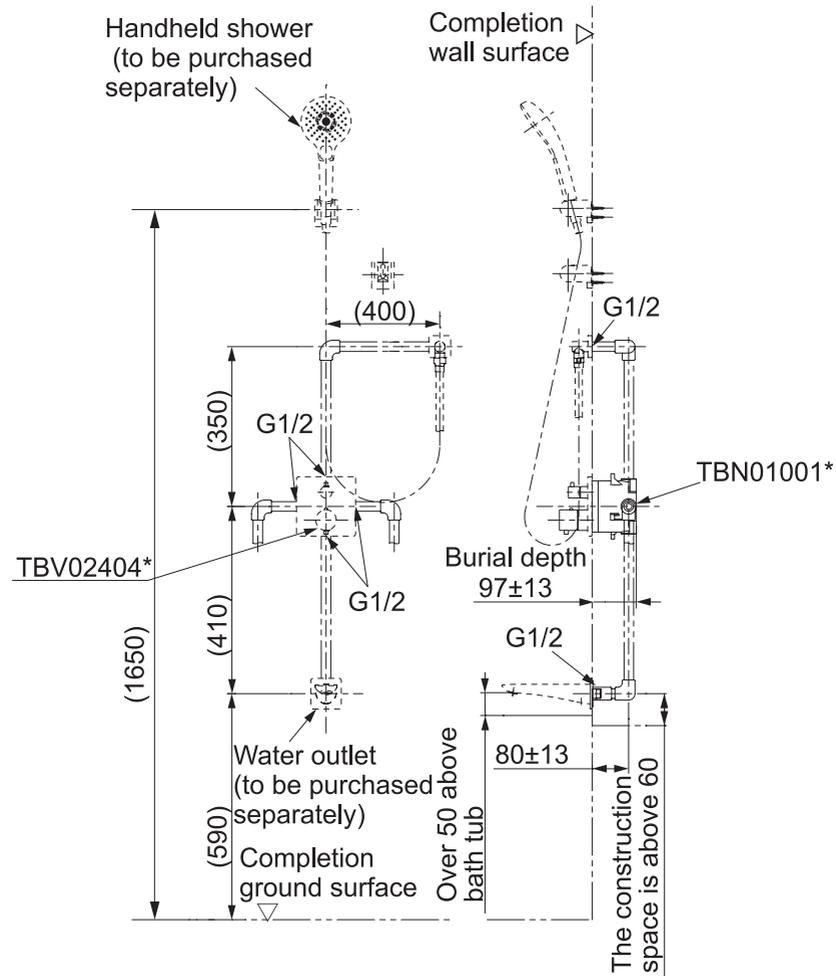
When using in places where icing may occur, anti-freezing measures must be taken.

1. The parts will be damaged due to icing, which may cause water leakage.
2. Damaged parts caused by icing are repaired for a fee even during the warranty period.
3. After the construction is completed or when it is not used for a long time, prepare to prevent sudden drop of temperature and prevent the product from icing.
4. Because of the risk of icing, please ensure that the ambient temperature of the product is always above 0°C.



# Installation completion figure

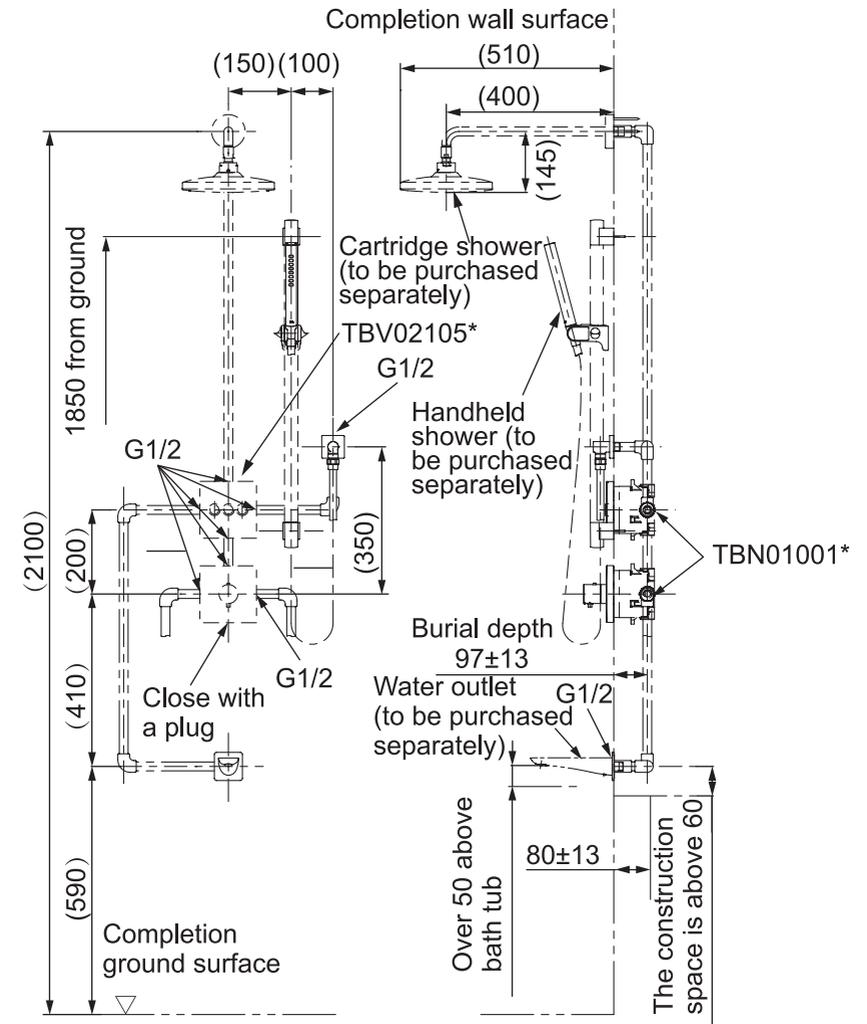
Schematic diagram for recommended mating of TBN01001\* MINI UNIT with other products from TOTO such as double-function switching faucet with water stopping function, etc.



※ Note: The unit of the above dimensions is mm. The dimensions in ( ) are reference ones. TBV02403\* can also be replaced with TBV01408\*, TBV02405\*, TBG01304\*, TBG02304\*, TBG03304\*, TBG04304\* for mating with TBN01001\*.

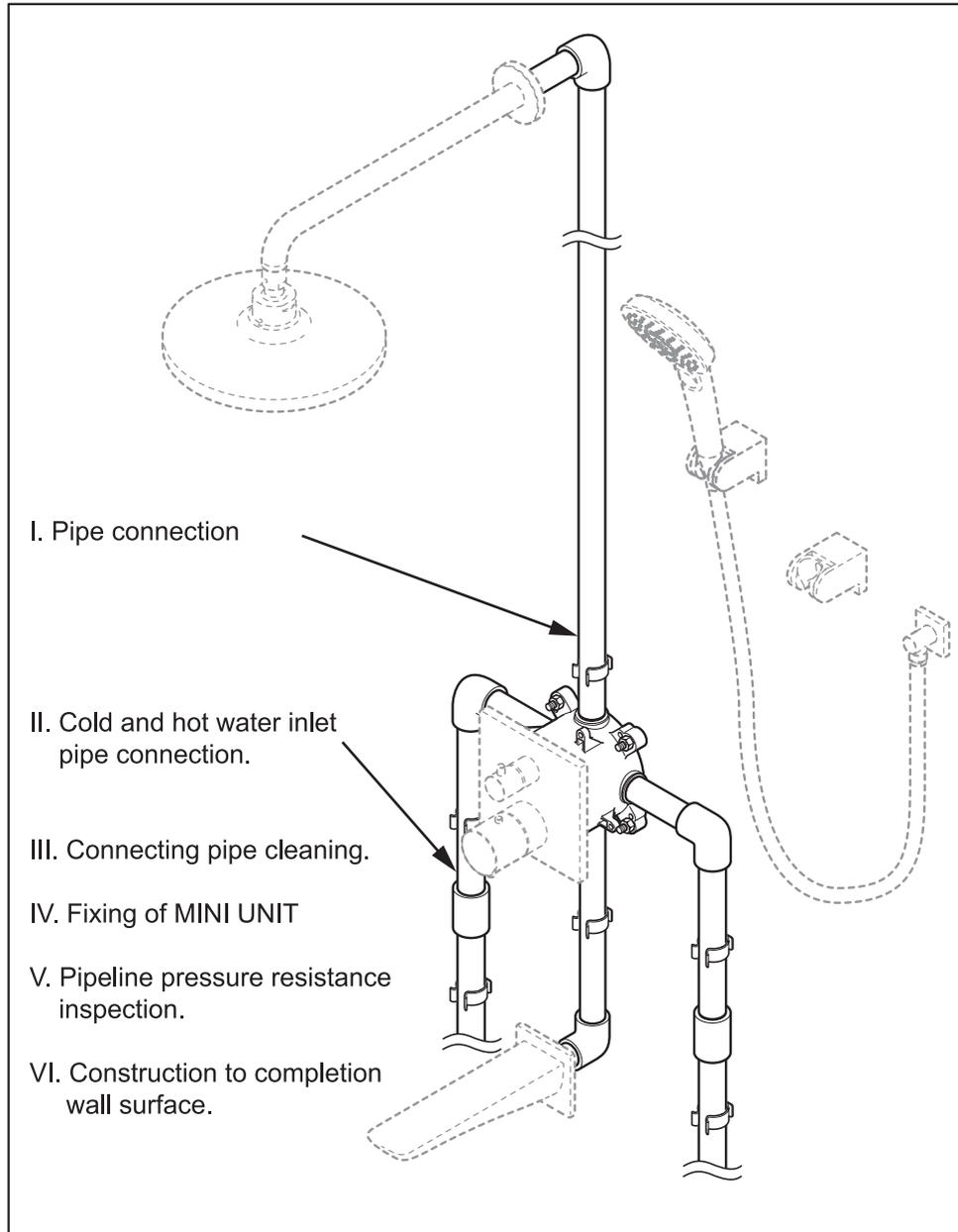
# Installation completion figure

Schematic diagram for recommended mating of TBN01001\* MINI UNIT with other products from TOTO such as tri-direction converting faucet, etc.



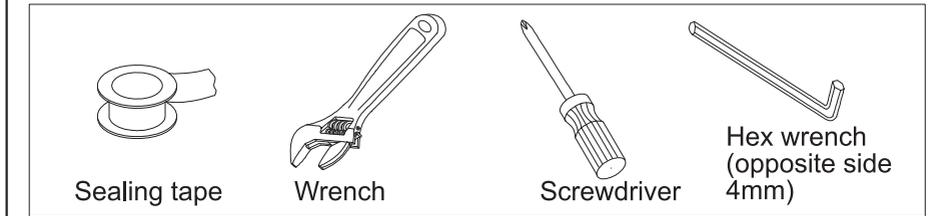
※ Note: The unit of the above dimensions is mm. The dimensions in ( ) are reference ones.

# Faucet installation



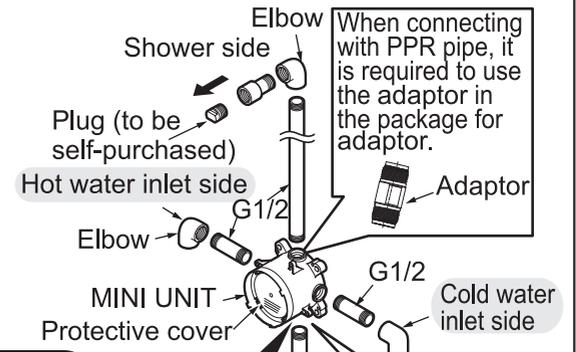
# Faucet installation

Prepara the tools before installation



## I. Pipe connection.

- ① The left side is the hot water inlet pipeline and the right side is the cold water inlet pipeline.
- ② The top and bottom are two water outlet directions. When supporting with a single-function faucet, it is required to close the water outlet on one side. The plug is contained in the product package.

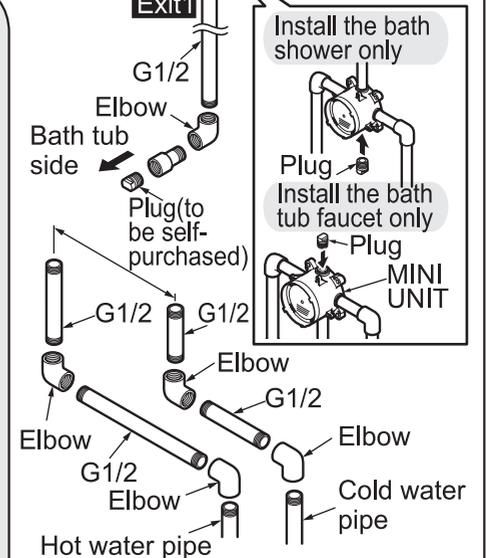


### Attentions

- In connection, please prepare the pipe fittings available in market otherwise.
- Be sure to use pipe sealing materials at the connections.
- Do not apply sealing tape on the non-threaded end of the adaptor.



- Do not force the adaptor into the outlet when threads are stuck. Remove the adaptor and reconnect to the outlet.
- Take care not to lose the protective cover.
- MINI UNIT can connect with the bath shower and bath tub faucet. When using bath tub faucet, please connect the bath tub faucet to outlet 1.
- When installing the bath shower only or installing the bath tub faucet only, please use the plug contained in the package to close the unused pipe connecting mouth.



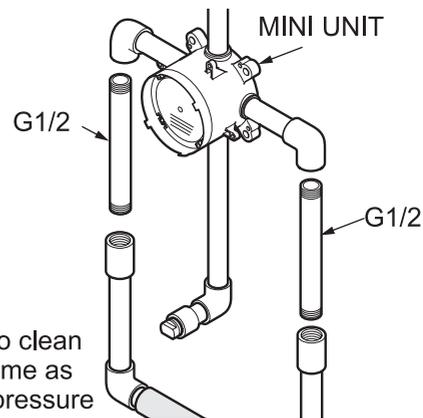
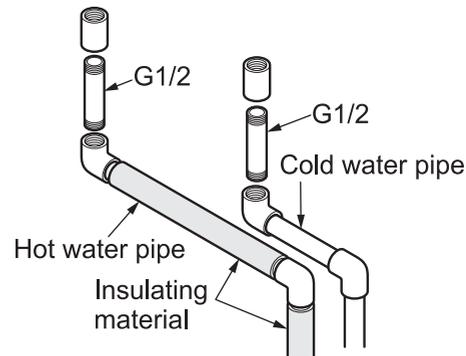
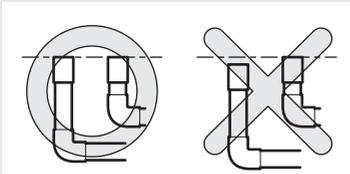
# Faucet installation

## II. Cold and hot water inlet pipe connection

- ① Prepare the cold water pipe and hot water pipe.
- ② Connect the cold water pipe and hot water pipe to the pipe in the last step.

### Attentions

- Be sure to use pipe sealing materials at the connections.
- Please wrap insulating material on the hot water pipe.
- Please install the cold water pipe and hot water pipe at the same height.



## III. Connecting pipeline cleaning

- ① Open the cold and hot water inlet valve to clean the whole pipeline. The method is the same as the detailed description in ③ for pipeline pressure resistance inspection in step V.

### Attentions

- In pipeline cleaning, it is required to remove the plugs on the shower side and on the bath tub side. The plugs at the above two locations will be used in pressure resistance inspection, which will be purchased by customers themselves.
- Be sure to do pipeline cleaning because the dust and sand grains in the pipeline may clog the filter net resulting in the amount of water outputting from the faucet reducing, temperature being unable to be adjusted, etc.

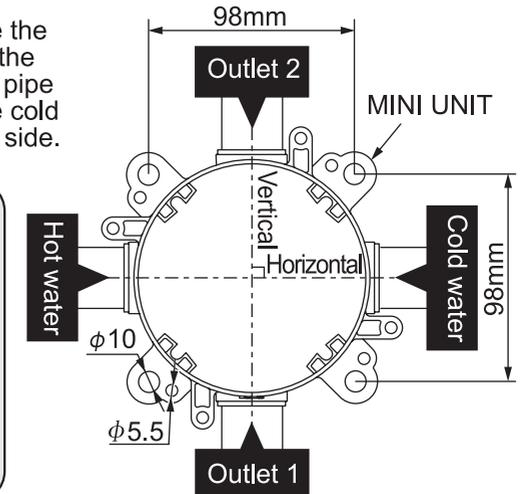
# Faucet installation

## IV. Fixing of MINI UNIT

- ① As shown in the right figure, face the front side of MINI UNIT to install the same horizontally. The hot water pipe is located on the left side and the cold water pipe is located on the right side.

### Attentions

- MINI UNIT is symmetrical from top to bottom and from left to right. All connecting mouths are the same. If the hot water connection is on the left side and the cold water connection is on the right side, then the outlet direction turns to be the direction from top to bottom.



- ② The screw diameter used in installation.
  - The flange hole diameter on bottom surface -  $\Phi 10$
  - The flange hole diameter on side -  $\Phi 5.5$
 In fixing, please prepare otherwise the screws available in market that can be inserted into the flange hole.

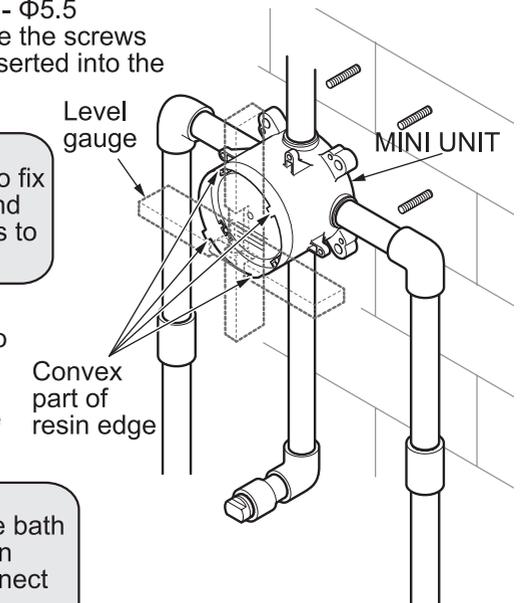
### Attentions

- Please use pipe support, etc. to fix sufficiently the cold water pipe and hot water pipe and different ducts to avoid faucet swinging.

- ③ In installation, be sure to keep horizontal and vertical from top to bottom and from left to right. The level gauge should keep close to the convex part of the resin edge of MINI UNIT.

### Attentions

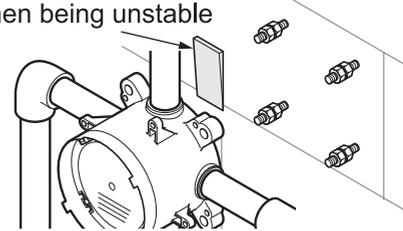
- MINI UNIT can connect with the bath shower and bath tub faucet. When using bath tub faucet, please connect the bath tub faucet to outlet 1.



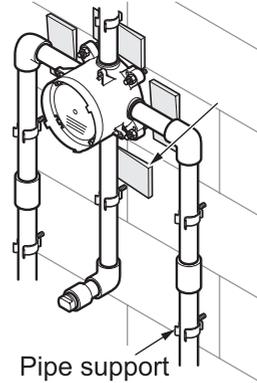
# Faucet installation

④ When the pipe and insulating material are unstable on the installing wall surface, please provide a wedge between the installing wall surface and MINI UNIT for adjustment.

Provide wedge when being unstable



⑤ Fix MINI UNIT on the wall. At this point, it should be confirmed that the completion wall surface is within the construction scope marked outside MINI UNIT.



Pipe support

Install in integrated bathroom, wall protecting board and laminate

Please use the installing screws below  $\Phi 5$ . Fix the product and the installation hole on the front side behind the machining surface.



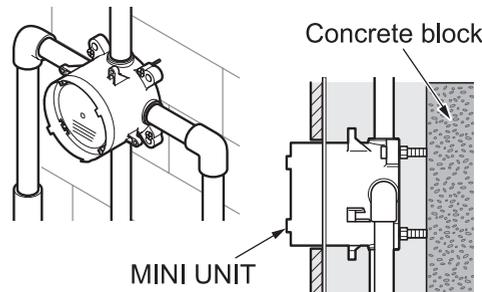
Wall protecting board, laminate

MINI UNIT

Please prepare installing screws otherwise according to the requirement.

Install onto concrete block

Please use the installing screws below  $\Phi 9$  (hex screws or square head screws) to fix the main body onto the wall surface.



Concrete block

MINI UNIT

# Faucet installation

## V. Pipeline pressure resistance inspection

- ① Please be sure to do pipeline cleaning.
- ② After pipeline connection, supply water to MINI UNIT. Confirm by checking if any water leakage from the connection exits.

### Attentions

Please do not lose the protective cover. After pressure resistance inspection, please put MINI UNIT back to the position as shown in the figure.

Example

Outlet 2

MINI UNIT

Hot water

Cold water

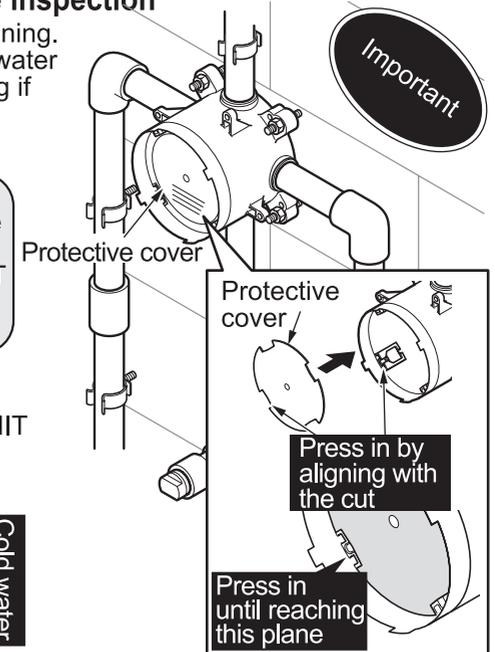
Outlet 1

In case of TBV02105\*, the method of inspection to pipeline pressure resistance under construction:

- ③ Take the above figure as an example. Do cleaning and inspect the water flow direction in pressure resistance inspection. When a washing cover is installed, check the water inlet and outlet directions.

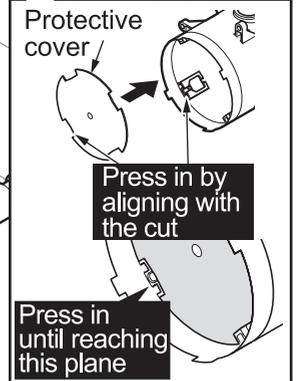
Cold water, inlet Outlet 1  
Hot water, inlet Outlet 2  
When only one outlet is used, please rotate the washing cover for 90° to do cleaning and pressure resistance inspection to the hot water side and cold water side respectively.

※ If the connecting position is different, the positions of outlet 1 and outlet 2 may be reversed and different.



Important

Protective cover



Protective cover

Press in by aligning with the cut

Press in until reaching this plane

The terminal end of pipe is closed

MINI UNIT

Apply pressure on the terminal end of the pipeline

The terminal end of pipe is closed

Screw (hexagonal diagonal plane 4mm)

Water supply

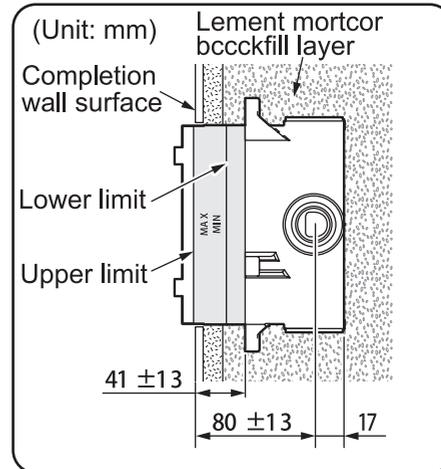
# Faucet installation

## VI. Construction of completion wall surface

1. Use cement mortar, etc. for filling back.

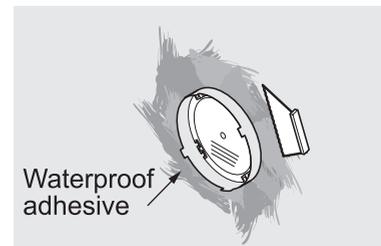
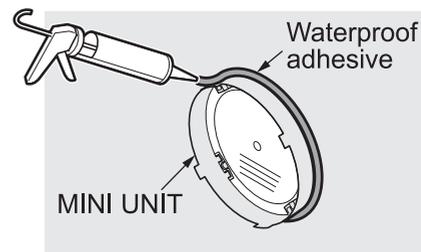
### Attentions

- In filling back, take care not to let cement mortar, etc. to intrude into the inner side of the preserving cover.
- When not using cement mortar, etc. for filling back, please use pipe support to fix sufficiently the cold water pipe and hot water pipe and different ducts to avoid faucet swing.
- Pay attention that the completion wall surface is within the construction scope when filling back with cement mortar.



2. Waterproof cloth construction

- ① Apply waterproof adhesive at the gap between the edge of MINI UNIT and wall surface for water proofing treatment.
- ② Use a scraper to scrape flat the waterproof adhesive.
- ③ Install the waterproof cloth by putting it on MINI UNIT and compact. It should keep close to the wall surface.

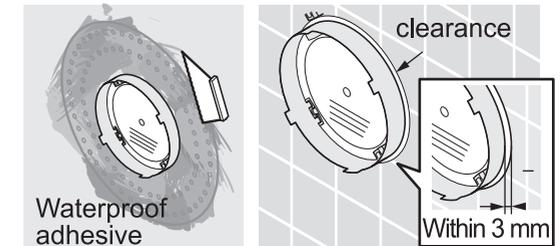
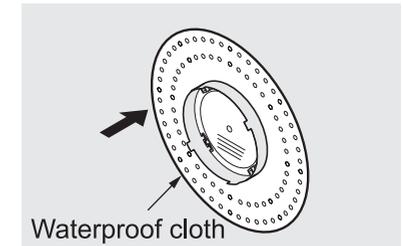


# Faucet installation

④ Apply another coat of waterproof adhesive and scrape flat with a scraper. Proceed to completion wall surface construction after the waterproof adhesive gets dry.

### Attentions

- The clearance between the edge of MINI UNIT and completion wall surface should aithin 3mm.

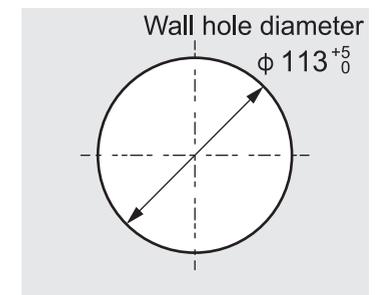
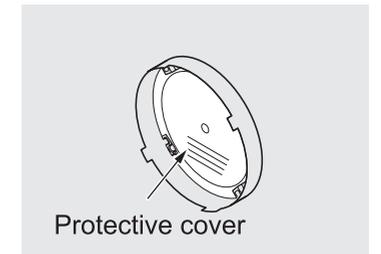


3. Completion wall surface construction

In completion wall surface construction, the completion wall surface should be within the construction scope as identified outside MINI UNIT.

### Attentions

- If the construction scope is exceeded, it is unable to install other functional parts normally. Therefore, be sure to carry out completion wall processing after checking carefully.
- If the opening at the installation position on the completion wall surface, it is unable to install the functional parts normally. Therefore, please set the opening at the installation position on the wall surface within the scope of  $\phi 113_{+5}^0$ .
- Please keep the protective, washing cover in the original condition before installing the functional parts.



# Product Warranty Card

User	
Sales shop or installation shop	
Date of buying	
Warranty period	The warranty is effective for a period of one(1) year from the date of purchase.

\* If the contents in the above column are not complete, the product warranty card shall be deemed as invalid. Therefore, user should confirm the contents put in at the time of buying.

\* The items covered in this product warranty card are only limited to repair to those free repair items as agreed in the product warranty card.

\* During the warranty period, if the product breaks down (such as water leakage, oozing), please call after sale service to request repairs.

## Repair Regulations

1. During the warranty period, if the user uses the products of the company correctly according to relevant instructions, adhesive labels, the company will provide free repair to any faulty product.
2. If damage occurs in the warranty period is required to be repaired for free, please call after sale service to request repairs.
3. Within the warranty period, the repair in the following occasions is paid repair.
  - ① Any failure and damage due to any improper use or any improper repair and modification conducted privately.
  - ② Any failure and damage resulting from any carelessness or fault in installation construction.
  - ③ Any failure and damage attributed to such reasons as removal for relocation after installation, etc.
  - ④ Any failure and damage due to using this product in occasions beyond the specified scope of use (for example, home commodity is used for any business purpose).
  - ⑤ Any damage caused by sand grains or dirt, etc.
  - ⑥ Such adverse results as dirtiness, plating part rusting, etc. attributed to improper daily maintenance and care.
  - ⑦ Any failure and damage due to fire, earthquake, flood, lightning strike and other natural disasters, public nuisances, gas damage (liquefied gas), salt damage and abnormal voltage, use of any power supply (voltage, frequency) other than the specified ones, etc.
  - ⑧ The occasions not specified in this warranty.
  - ⑨ The occasion in which the user name, sales shop, installation shop or buying date is not filled in.
  - ⑩ No buying invoice can be presented.
  - ⑪ Failure caused by icing.
4. The warranty card is valid within the territory of the People's Republic of China. (Excluding Hongkong, Macao and Taiwan)
5. This product warranty card shall not be reissued when being lost. Customers are requested to keep it properly.

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