Acme Sanitary Ware Co Ltd
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INAX

PROJECT		REF		REV	ITEM CODE	
LOCATION		DATE			PAGE	

SANITARY WARE SPECIFICATION SHEET

Item Descriptions	INAX (Japan) Thermostatic shower system with a safety button; folding full body shower handle; 10 nos adjustable mist shower jets; hand held shower
Dimensions	L510 x W200 x H1326 mm
Model	NYS-3A-AT-UR (Right water inlet)
Manufacturer	INAX (Japan)
Country of Origin	Japan
Source	Acme Sanitary Ware Co. Ltd Mr. Eric Wong/ Mr. Don Yuen
Contact Tel/Fax	(852) 2388-7171 / (852) 2710-8012
E-mail	acme@acmesanitary.com.hk
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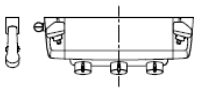
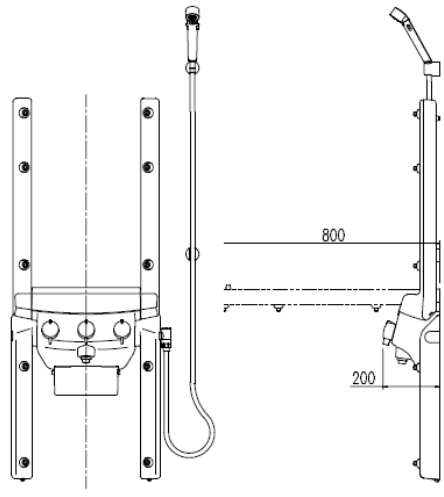
Illustration/ Drawing





NYS−3A−AT−URの場合

忙しくて時間がないときや、お風呂の準備が面倒なとき、浴槽入浴には介助が必要な方…。どんなときにも、どんな方にもおすすめの新・入浴スタイルです。

浴用車椅子を使用すれば、座ったままで浴室に移動できるので介助の負担が減らせます。背中まで温まります。

機能部 仕様表

品番	NYS-3A-AT-UL(R)
本体質量	11.9kg
構成	シャワー・ド・バス本体、ハンドシャワー(スイッチ付)
操作部	温度調節ハンドル　ハンドシャワー／吐水切替ハンドル　全身シャワー専用ハンドル
使用可能圧力範囲	0.1MPa(流動時)~0.75MPa(静止時)、給水圧力≧給湯圧力
水栓金具	サーモスタット付埋込水栓(JIS-B2061適合品)
耐圧性能	1.75MPa　1分間
流量	全身シャワー:9.1L／分(0.1MPa時)(快適流量範囲:8~14L／分*) 吐水口:10.2L／分(0.1MPa時)　ハンドシャワー:6.3L／分(0.1MPa時)
ノズル数	10ヵ所
推奨風呂イス	座面高さ300~350mm
給湯機器温度設定	85℃以下
使用可能水質	水道水及び飲用可能な井戸水(水道法に定められた飲料水の水質基準に適合する水)

※ここに示しているのは平均的な数値です。シャワーの強弱には個人の好みがありますのであくまでも目安としてください。

** All information of the above is for the reference only. No prior notice is made if any changes.*

New Bath Feeling Shower de Bath シャワー・ド・バスは、

スプレーシャワー

後付け用タイプはスイッチ＋スプレーシャワーを商品搭載タイプなどにはスプレーシャワーを標準装備しています。

スイッチ＋スプレーシャワー
※後付けタイプ

スプレーシャワー
※商品搭載タイプ

専用サーモ水栓

吐水とスプレーシャワーの切り換えハンドル（右）とは別に、全身シャワー用の開閉ハンドル（中央）を設けた使いやすいデザインです。

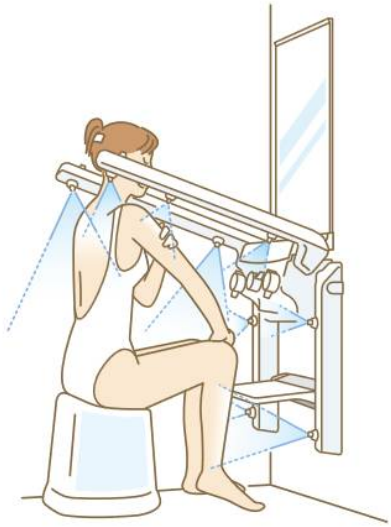
アームとノズルの角度調節

全身シャワーは自在に角度設定できるアームとノズルの噴射角度を体格に合わせて調節。全身に最適な状態でシャワーを当てられます。

※写真はストレートタイプです。
※後付けタイプの場合、写真のミラーセットはオプションです。

新・入浴スタイルです

お湯はり不要のカンタン入浴



忙しくて時間がないときや、お風呂の準備が面倒なとき、浴槽入浴には介助が必要な方…。どんなときにも、どんな方にもおすすめの新・入浴スタイルです。

シャワーだけで体の芯から温まります

温熱効果の比較

10ヵ所のノズルからお湯を霧状に噴出し、体全体を包み込むため、お湯につかるのと同じように全身が温まります。通常のシャワーよりも細かい霧状の噴射で、肌にやさしく、快適です。

節水もできて経済的です

使用水量の比較

シャワー・ド・バス（5分間使用）

50L	50L	50L	50L

4人で使用しても約200L

一般的な浴槽

220L～270L	プラス 通常シャワー

シャワー・ド・バスを5分間使った場合の使用水量は約50L。一般的な浴槽（220～270L）と比べはるかに少ない水量（湯量は浴槽の約1/4～1/5程度）で済みます。4人で使用してもとても経済的です。

車椅子を利用される方にもおすすめ

要介助の方にもおすすめです

立っても

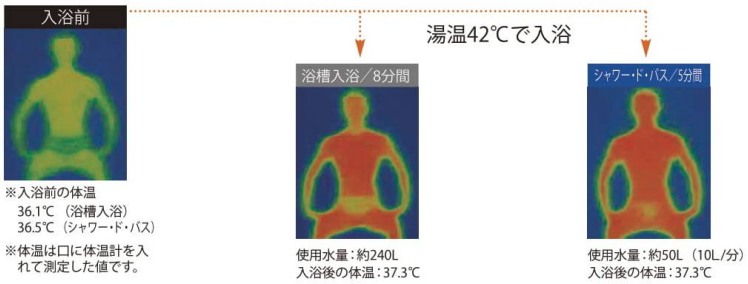
座っても

浴用車椅子を使用すれば、座ったままで浴室に移動できるので介助の負担が減らせます。背中まで温まります。

Point 1 シャワーだけで、お湯につかったように温まる。

10ヶ所のノズルから微細なシャワーを噴出し、からだ全体を包み込むので、お湯につかるのと同じように全身が温まります。通常のシャワーよりも細かい霧状の噴射で、肌にやさしく、心地よいくつろぎが得られます。

温熱効果の比較



※入浴前の体温
36.1℃（浴槽入浴）
36.5℃（シャワー・ド・バス）

※体温は口に体温計を入れて測定した値です。

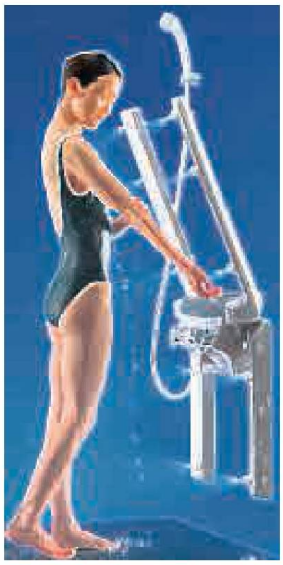
使用水量：約240L
入浴後の体温：37.3℃

使用水量：約50L（10L/分）
入浴後の体温：37.3℃

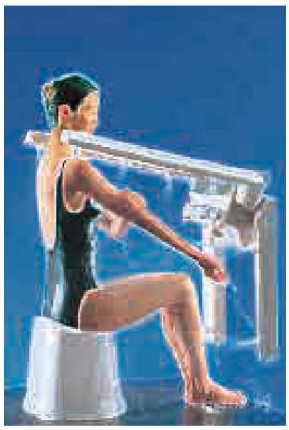
ミストのシャワーで全身を温める、新感覚入浴。

Point 2 湯はりの必要がないので、いつでもすぐ入れます。

忙しくて時間がないときや、お風呂の準備が面倒なとき。浴槽入浴には介助が必要な方…。どんな時にも、どんな方にもおすすめの「全身シャワー」です。

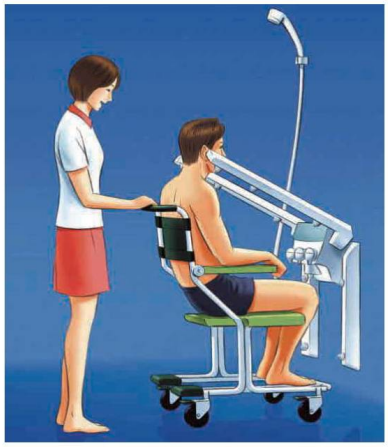


入浴をサッと済ませたいときには
アームをおこして立ってシャワー。



リラックスしたいときには
アームをたおして座ってシャワー。

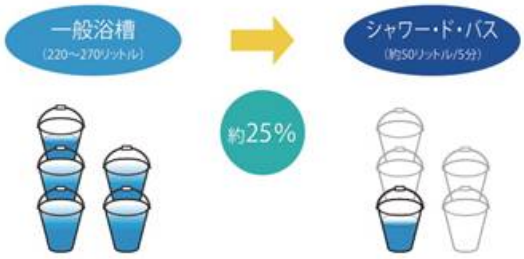
介護が必要な方にもおすすめです。



Point 3 湯量は浴槽の約1/4〜1/5。節約もできて経済的です。

一般的な浴槽（220〜270リットル程度）　に比べ、シャワー・ド・バスの場合、5分間のシャワー浴で使う水量は約50リットル。はるかに少ない水量で済み、4人で使用しても経済的で、節水に役立ちます。

エコ商品で、こんなにおトク！



Point 4 ハンドシャワーも洗面吐水も付いた1台3役の優れもの。

スプレーシャワーを使ってシャンプーしたり、吐水口から洗面器にお湯をためることもできます。

スイッチ＋ハンドシャワー

洗髪や洗顔はスプレー吐水のハンドシャワーでスピーディーに。手元スイッチでON・OFFできるから節水にも効果的です。

※スイッチ＋スプレーシャワーは、後付けタイプのみ標準装備しています。

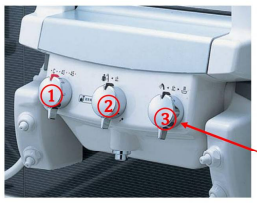
※全身シャワーとスプレーシャワー・吐水口からの吐水の同時使用はできません。流量が不足します。

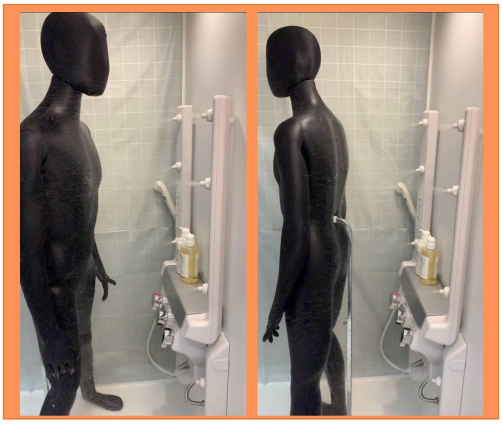
SHOWER de BATH basic function

①Water temperature adjustment handle with a safety button

②Full body shower handle

Cold water drains out from the faucet at the beginning





③Hand shower handle

Turn the selector handle to the left to use the hand shower

Mist shower like a veil

Each **10** nozzles are movable, you can adjust the shower angle you prefer

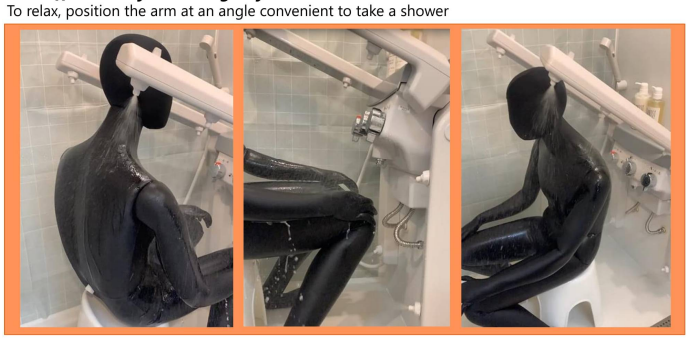
Enjoy both direct strong shower feeling and softness touch as a mist

Adjust arms to comfortable angle

Adjust the nozzle to any angle you prefer

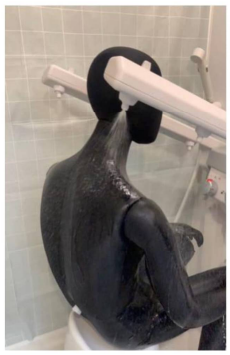
Use different way according to your mood and time

To relax, position the arm at an angle convenient to take a shower

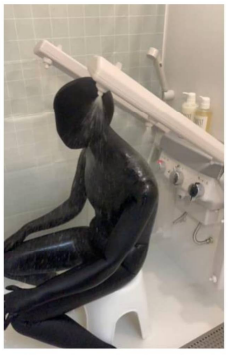


New showring style

Full-body shower, in a standing posture



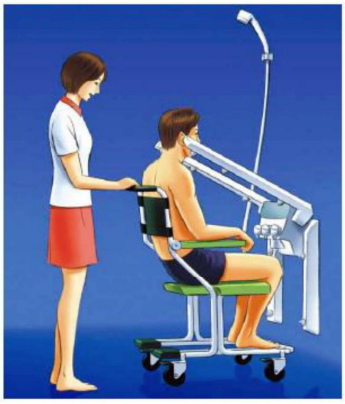
Full body shower from front, in a sitting posture



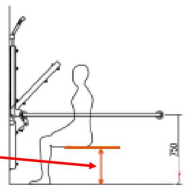
Full body shower from back, in a sitting posture

Easy for handicapped and elder

Enough space for shower, it can be avoided to slip and injured.



- These are an example of a shower chair which can be used with SHOWER de BATH.
- These are available on local store
- LIXIL don't sell these chair



Recommendation Sitting height : **400mm**

	SHOWER de BATH
Item	
Advantage	✓ Wrap the entire body ✓ Also can take for partial with movable arm 

SHOWER de BATH (Retrofit type)

〔 NYS-3A-AT-UL、NYS-3A-AT-UR 〕

Installation Manual

Request to Installers

Be sure to record your store name and installation date on the warranty certificate and hand it to the customer. Be sure to explain to the customer there are parts that require regular replacement.

Note

User´s manuals enclosed with each device are important documents to ensure proper use of product by purchaser.
Ask the person responsible for installation to have the manuals delivered to the customer after installation is completed or hand them directly.

Before Installation

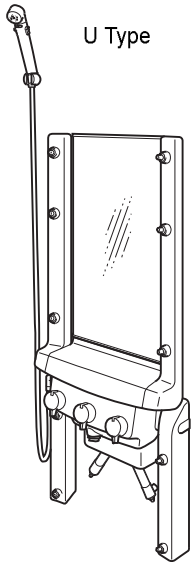
- Before installation, be sure to evaluate whether the product can be installed using the attached "SHOWER de BATH (Retrofit type) Pre-Check Sheet."
- Read this installation manual carefully and follow the installation instructions.

Cautions on product installation

- Wear gloves when installing the product. Be careful when handling the edges of metal parts, etc.
- The exterior material of SHOWER de BATH is flammable. Keep away from potential sources of fire, such as lit cigarettes or burners.

Contents

U Type



Safety Precautions (Please observe all safety precaution.)

This chapter contains important safety instructions for preventing bodily injury and/or property damage. Before installing the product, please read the following items carefully to install the product correctly.

Description of Safety Indications and Symbols

- **Safety Indications**

  Severity of bodily injury and/or property damage, which could result from incorrect handling, are explained below.

⚠ **Warning**	Indicates that incorrect handling may cause hazardous conditions, resulting in death or severe injury.
⚠ **Caution**	Indicates that incorrect handling may cause hazardous conditions, resulting in minor or moderate injury or property damage.

- **Symbols**

  The following symbols are used to classify and describe the type of instructions to be observed.

⚠	Caution needed! (Used together with 'Warning' and 'Caution' above to alert users to pay attention. Be sure to read and obey the instructions.)
⊘	Strictly prohibited! (Commonly used prohibition symbol)
❗	Observe instructions with great care! (Commonly used symbol to indicate what users must do)
⊘	Disassembly strictly prohibited! (Disassembly prohibition symbol)

Failure to observe the following safety precautions may result in death or serious injury or damage to household effects. **You are required to follow them.**

⚠ Warning

Only an authorized technician by our company can disassemble, repair, or alter the product.
*Ignition or abnormal operation of device may result in bodily injury.

Do not connect the hot water pipe to the cold water supply.
*Hot water comes out unexpectedly when turning cold water on, resulting in burn injury.

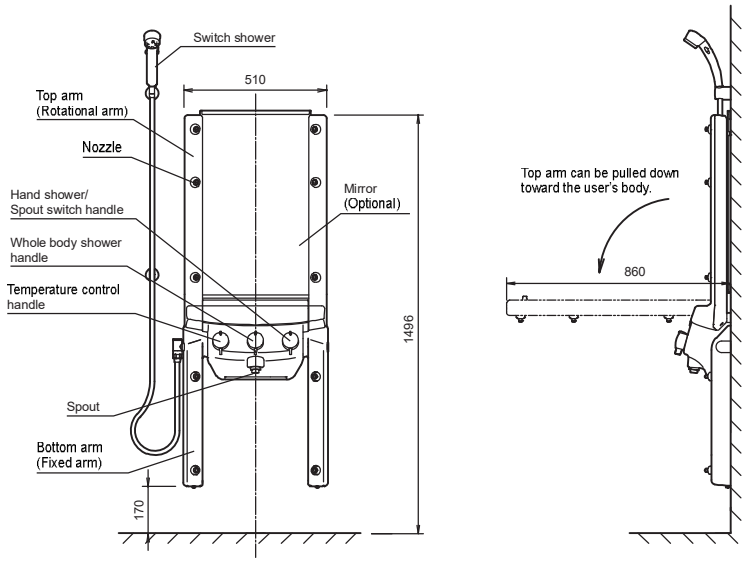
⚠ Caution

Be sure to firmly install parts in correct position using screws etc. as instructed.
*Loosely installed parts may fall off or come off during use, causing bodily inury.

Be sure to firmly install cold/hot water supply pipes, drainage pipe, etc. by following installation instructions. *There is a risk of water leakage.

1. Name of each part and it function

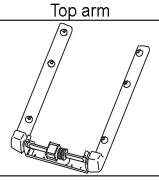
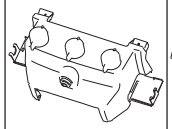
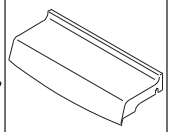
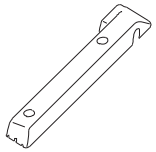
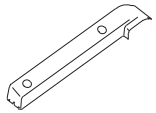
- Top arm can be pulled down toward the user's body with the rotation axis at the center. (Bottom arm is fixed on the wall.)
- Water spray direction can be adjusted at 10 nozzle positions.
- A handle dedicated for whole body shower is located at the center.
- Switch shower is offered as a standard component.

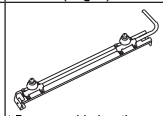
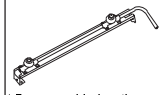
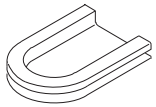
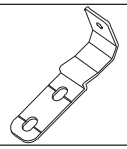
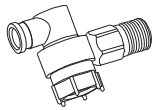


2. List of enclosed parts

Open the package and verify all parts and correct quantities are included.

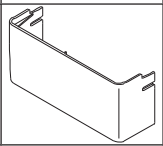
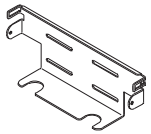
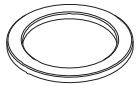
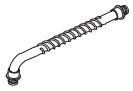
SHOWER de BATH (SKU: NYS-MP1-P-U, NYS-MP1-P-W)

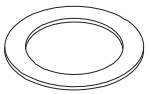
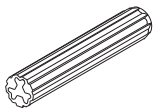
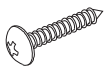
Name	Top arm	Counter	Countertop	Bottom arm (Right)	Bottom arm (Left)
Shape					
Quantity	1	1	1	1	1

Name	Bottom arm bracket (Right)	Bottom arm bracket (Left)	Shower hose hole cap	Counter back hanger	Flow volume control valve (Red, Blue)
Shape	 * Pre-assembled on the bottom arm	 * Pre-assembled on the bottom arm			
Quantity	1	1	1	4	2

Name	Upset head bolt	Flat head screw	Installation Manual (this document)	User's Manual	Pattern paper for installation
Shape	 M4 × L10 (Stainless)	 M4 × L10 (Stainless)			 1 High-temperature warning sticker 
Quantity	6	2	1	1	1

Parts for U type (enclosed with NYS-MP1-P-U)

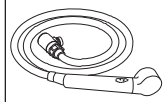
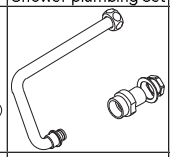
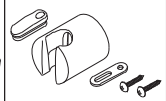
Name	Flow volume control valve cover	Flow volume control valve fastener	2mm spacer	Cold-water supply pipe	Hot-water supply pipe
Shape				 L = 290	 L = 250
Quantity	1	1	4	1	1

Name	Washer	Nut	Screw plug	Urea screw	Truss head tapping screw
Shape				 M4 × L10 (Stainelss + resin)	 4 × L25 (Stainless)
Quantity	2	2	35	4	20

List of enclosed parts (by type)

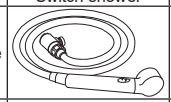
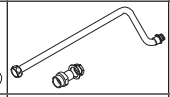
Open the package and verify all parts and correct quantities are included.

Shower Set (L)(SKU : A-8420-PU)

Name	Switch shower	Shower plumbing set	Shower hook
Shape			
Quantity	1	1	2

* Enclosed with NYS-3A-AT-UR

Shower set (R)(SKU : A-8419-PU)

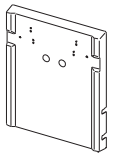
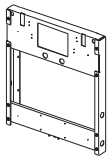
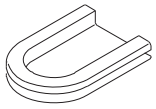
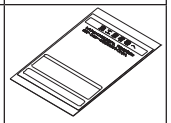
Name	Switch shower	Shower plumbing set	Shower hook
Shape			
Quantity	1	1	2

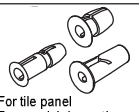
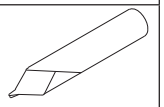
* Enclosed with NYS-3A-AT-UL

List of enclosed parts (optional parts)

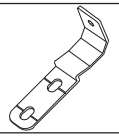
Open the package and verify all parts and correct quantities are included.

Wall reinforcement panel (for conventional bathroom)(SKU : KHP-1A-AT, KHP-1A-AT-UB) Common parts for both SKUs

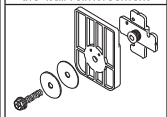
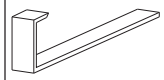
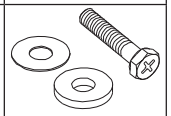
Name	Wall reinforcement panel cover	Wall reinforcement panel frame	Adjuster	Hole cap	Caution sticker on wash bowl counter
Shape					 Affix the sticker in a specified position after installation.
Quantity	1	1	1	4	1

Name	Truss head tapping screw	Truss head tapping screw	Mounting bolt for wash bowl counter	Plug set	Drill for steel plate
Shape	 ● Truss head tapping Nominal diameter 4 × L25	 ● Truss head tapping ND 4 × L30	 M6 × L30	 ● For tile panel ● For special decorative cement ● For steel plate panel	 Always use this drill when drilling holes on steel plate panels.
Quantity	20	20	4	30 each	1

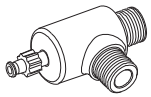
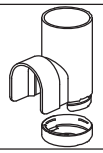
***1 Wall reinforcement panel parts (SKU : KHP-1A-AT)**

Name	Back hanger	Screw plug
Shape		 ● Screw plug for concrete
Quantity	2	30

***2 Wall reinforcement panel parts (SKU : KHP-1A-AT-UB)**

Name	Sheet metal set for behind-the-wall reinforcement	Hook plate for thermal retention material	Mounting bolt
Shape	 With decorative cover		 M6 × L30 (Stainless)
Quantity	2	1	2 each

Connection joint set U(SKU : STG-1AU)

Name	Elbow with drain valve	Thermal insulation cover
Shape	 (STG-1A-OSE)	
Quantity	2	1

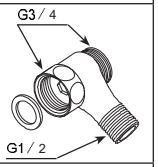
*1 Conventional bathrooms or LIXIL system bathrooms
*2 System bathrooms (made by LIXIL or other makers)

Verify that the connection joint set meets conditions of installation site before unpacking.
For U type…STG-1A-U

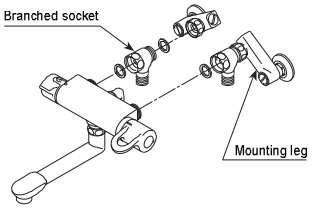
List of enclosed parts (optional parts)

Procure equivalent parts locally when the optional parts listed below are not used. Open the package and verify all parts and correct quantities are included.

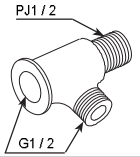
Branched socket set G3 / 4 (SKU : STG6B-1A)

Name	Branched socket G3 / 4
Shape	 G3 / 4 G1 / 2
Quantity	2

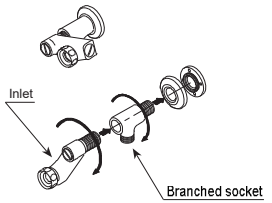
Use when inlet of a faucet are not removed.



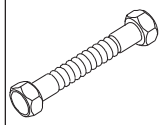
Branched socket set G1 / 2 (SKU : STG4B-1A)

Name	Branched socket G1 / 2
Shape	 PJ1 / 2 G1 / 2
Quantity	2

Use when inlet of a faucet can be removed.

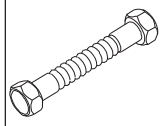


Coated flexible pipe set 1M (SKU : HF1M-1A)

Name	Coated flexible pipe
Shape	 Length 1m
Quantity	2

*When procured locally, procure coated pipes or ones that can be coated with coating material.

Coated flexible pipe set 2M (SKU : HF2M-1A)

Name	Coated flexible pie
Shape	 Length 2m
Quantity	2

*When procured locally, procure coated pipes or ones that can be coated with coating material.

3. Tools needed

Prepare the following tools for installation.

- Electric drill
- Electric screwdriver
- Phillips-head screwdriver
- Pliers
- Wrench
- Monkey wrench
- Plastic hammer
- Level
- Steel square
- Measuring tape
- Nippers
- Cutter knife
- Adhesive tape
- Silicon
- Caulking gun
- Marking pen
- Waste cloth
- Thermometer
- Ø30 hole saw

When using flexible pipes for cold-/ hot-water supply piping arrangement.
- Flexible cutter
- Flexible pipe flanging machine

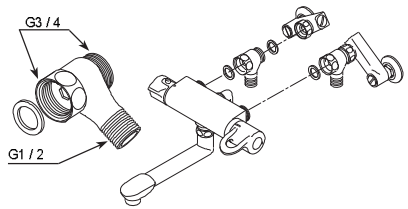
When checking the position of a reinforcement frame on the back of a wall and/or piping.
- Behind-the-wall sensor

4. Parts to be prepared for installation site

Prepare the following parts depending on the conditions of the installation site.

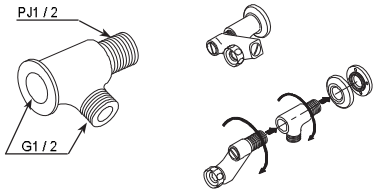
Branched socket
Used when branching a pipe from an existing faucet to SHOWER de BATH. (2 sockets are used.)
Different types of branched sockets are used for different branching locations. Select a socket that is most suitable for the conditions of the installation site.

When branching behind a inlet (when inlet are not removed)



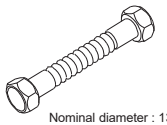
Prepare STG6B-1A when using optional parts.
(Refer to P.6)

When branching on the primary side of a inlet (when inlet can be removed)



Prepare STG4B-1A when using optional parts.
(Refer to P.6)

(Coated) flexible pipe or other piping part



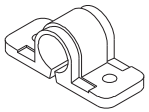
Nominal diameter : 13A

Coated flexible pipe set is offered as an optional part.
(Refer to P.6)

Hexagon cap nut or other connecting members

Nominal diameter : G1 / 2

Pipe fastening member (Saddle)
- Fasten using a method that is most suitable for fastening members



Pipe coating material
- Always apply coating when using uncoated pipe for exposed areas to prevent burn injury.

Decorative screw/cap
- Used to cover screw holes.

5. Installation Procedures

Installation procedures vary depending on or with or without branching from a faucet. The overall flow of installation procedures is provided below.

To P.10
1 Decide installation position of SHOWER de BATH
2 Decide piping pathway
3 Select piping members

4-A Remove existing faucet
4-B Connect branched socket

To P.13
U type

1 Open holes for mounting SHOWER de BATH
2 Insert plugs
3 Install a counter-back hanger
4 Install a counter
5 Install a fastening hardware for flow volume control valve
6 Install a flow volume control valve
7 Connect internal cold/hot water supply lines
8 Install bottom arms
9 Connect cold/hot water supply lines
10 Install a top arm
11 Install a cover on a flow volume control valve
12 Install a mirror (when the option is chosen)

To P.25
1 Install a hand shower
2 Affix a high-temperature warning sticker
3 Check and adjust faucet water temperature
4 Pressure test for cold/hot water supply pipes

6. Installation position diagram

(Note 1) When drilling holes on a wall, verify in advance the positions of cold/hot water pipes using a behind-the-wall sensor, etc. to prevent water leakage behind the wall or other serious consequences by damaging pipes with a drill.

(Note 2) The installation position and/or piping arrangement of SHOWER de BATH (retrofit type) are greatly influenced by the positions, etc. of an existing faucet and pipes behind a wall. Consult thoroughly with a customer to decide installation position and piping arrangement as they greatly influence the image and appearance of a bathroom.

(Note 3) When drilling holes on a wall, make sure that the body of a drill do not hit the wall surface to prevent any damages to walls and tiles.

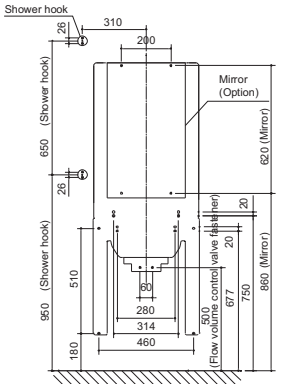
(Note 4) When installing a system bathroom, there may be restrictions to the installation position of SHOWER de BATH depending on the inserting position of a behind-the-wall reinforcement frame. Consider moving the installation position in a horizontal direction.

(Note 5) Do not use a vibrating drill when opening holes on a tiled wall to prevent damages to tiles.

A. U type

Conventional bathrooms only

When using enclosed screw plugs, the pilot hole diameter is ø6.



7. Installation method

Precautions for installation

1) Start the installation work after stopping water supply to the bathroom.
2) When drilling holes on a wall, verify in advance the positions of cold/hot water pipes using a behind-the-wall sensor, etc. to prevent water leakage behind the wall or other serious consequences by damaging pipes with a drill.
3) The installation position and/or piping arrangement of SHOWER de BATH (retrofit type) are greatly influenced by the positions, etc. of an existing faucet and pipes behind a wall. Consult thoroughly with a customer to decide installation position and piping arrangement as they greatly influence the image and appearance of a bathroom.
4) When drilling holes on a wall, make sure that the body of a drill do not hit the wall surface to prevent any damages to walls and tiles.
5) Always use a drill that is designed specifically for the type of wall you wish to drill holes on.
6) Do not use a vibrating drill when opening holes on a tiled wall to prevent damages to tiles.

Procedures common for all types

1. Determine installation position of SHOWER de BATH

Determine a SHOWER de BATH installation position by considering the following.

a. While opening or closing the bathroom door, it should not interfere with SHOWER de BATH.
b. The behind-the-wall reinforcement frame and cold/hot water supply pipes should not come on top of the holes for mounting SHOWER de BATH.
c. Use of a wheeled shower chair should not be adversely affected. (If a wheeled shower chair is used.)

2. Determine piping pathway

Cold/hot water pipes from a faucet to SHOWER de BATH are exposed. Consult the following items carefully with a customer to decide piping pathway and piping members as they greatly influence the image and appearance of a bathroom.

a. Avoid an installation position that may contribute to burn injuries or falls.
b. Pipes can be fastened.
c. Easy to clean pipes and fastening members.
d. Easy to perform maintenance.

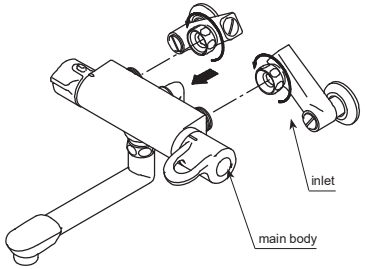
3. Select piping members

Select piping members to be used between an existing faucet and SHOWER de BATH.
Branched socket and coated flexible pipes are available as optional parts (refer to P.6). When preparing these parts locally, procure parts that are equivalent to the optional parts.

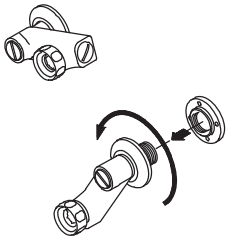
4-A Remove existing faucet fittings (No “branching” from a faucet)

Remove existing faucet fittings. Also remove inlet.

① Remove the faucet main body from inlet.



② Remove the inlet by rotating them counterclockwise.

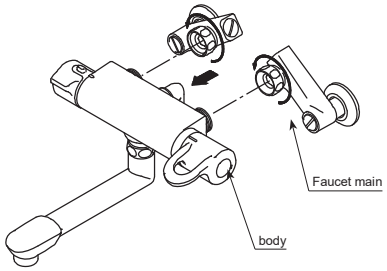


4-B Connect branched socket (With “branching” from a faucet)

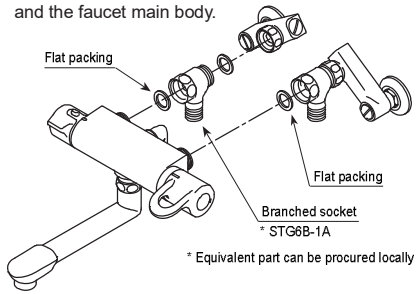
ⓐ When connecting a branched socket between the existing faucet main body and faucet inlet

(Note) When a check valve is embedded in the inlet, connect a branched socket on the primary side of ⓑ inlet.

① Remove the faucet main body from the inlet.



② Install a branched socket between the faucet inlet and the faucet main body.

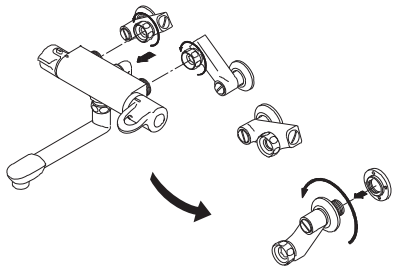


* Equivalent part can be procured locally

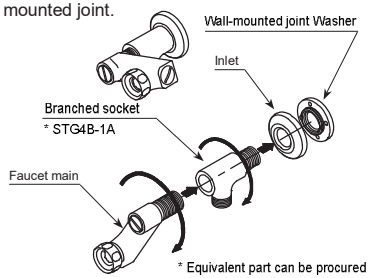
ⓑ When connecting a branched socket between the existing faucet inlet and the wall slot

(Note) When a check valve is embedded in the inlet, connect a branched socket on the primary side of ⓑ inlet.

① Remove the faucet main body and inlet.



② Connect the branched socket and inlet to the wall-mounted joint.



* Equivalent part can be procured locally

⚠ Caution

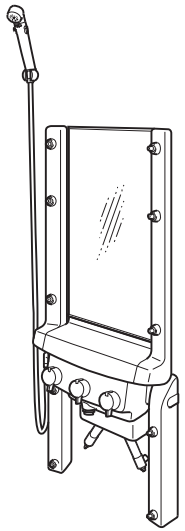
Be very careful not to damage existing cold/hot water pipes and faucet fittings while performing installation. SHOWER de BATH cannot be installed if an existing faucet is not removable.

Installation procedures of

「U TYPE」

SKU : NYS-3A-AT-UL
NYS-3A-AT-UR

are described from the next page to Pg. 24.

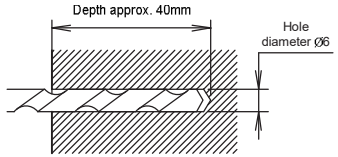


Installation method of U type

1 Open holes for mounting SHOWER de BATH

*** Refer to P.9 '6. Installation position diagram' when opening required holes with a special-purpose drill.**

① Open holes after placing the enclosed installation pattern paper on a wall at the right height. The installation pattern paper shows the positions of holes for the counter back hanger.



⚠ Caution

(1) When drilling holes on a wall, verify in advance the positions of cold/hot water pipes using a behind-the-wall sensor, etc. to prevent water leakage behind the wall or other serious consequences by damaging pipes with a drill.

(2) When drilling holes on a wall, make sure that the body of a drill do not hit the wall surface to prevent any damages to walls and tiles.

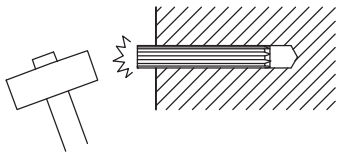
(3) Always use a drill that is designed specifically for the type of wall you wish to drill holes on.

(4) Do not use a vibrating drill when opening holes on a tiled wall to prevent damages to tiles.

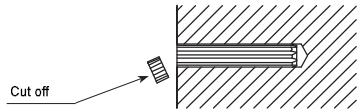
2 Insert screw plugs

Hammer enclosed screw plugs into pilot holes.

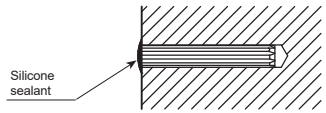
① Hammer in screw plugs all the way.



② When the head of a screw plug sticks out because a pilot hole is not deep enough, cut the protruding portion with nippers, etc



③ Apply silicone sealant.

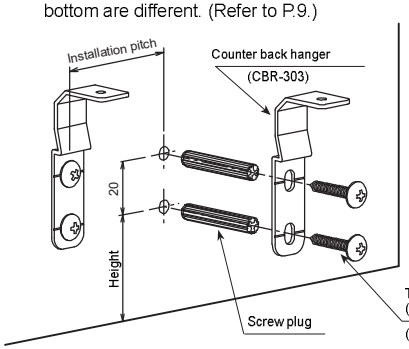


(Note) Be careful not to break tiles.

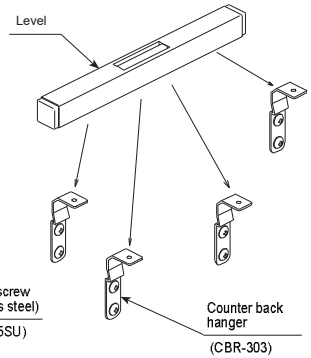
3 Install counter back hangers

*** Refer to P.9 '6. Installation position diagram' when opening required holes with a dedicated drill.**

① Install a total of four counter back hangers – two at the top and two at the bottom. Please note that installation pitches for the top and bottom are different. (Refer to P.9.)

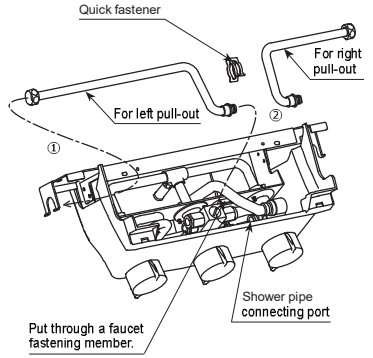


② Adjust installation height of the counter back hangers using a level to make sure they are installed horizontally aligned.



4 Install a counter

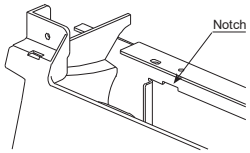
① Connect the shower pipe to the faucet fitting inside the counter.
Insert the pipe from the back side of the counter and secure it to the faucet fitting with a quick fastener.
Pull out the side of the shower pipe with a hexagon cap nut into the bathtub side of the system bathroom.

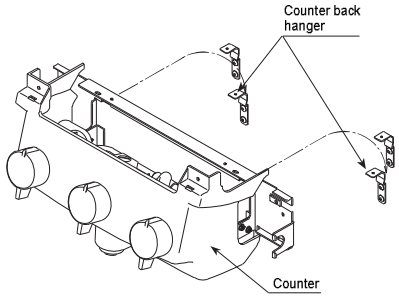


(Note) Either a right or left pull-out shower pipe is enclosed depending on the specifications of a system bathroom.

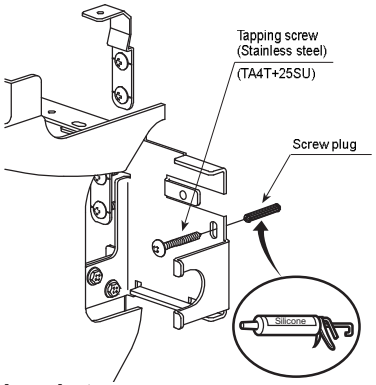
② Hook the counter to counter back hangers at the bottom. Align the back hangers to the notches.

(Note 1) Insert plugs at position ③ described on the next page before hanging the counter.
(Note 2) Snap the counter firmly onto the receiving surface of back hangers.



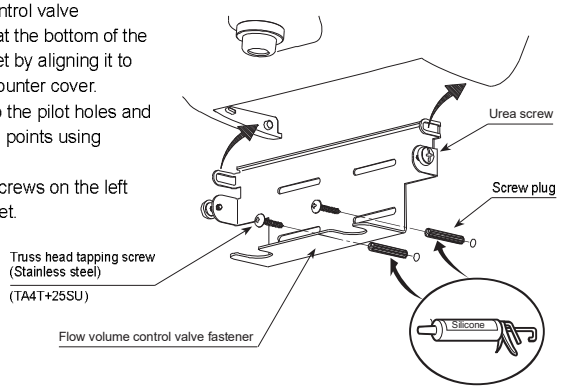


③ Secure both sides of the counter bracket onto a wall using screws. Secure it at one point on left and one point on right.



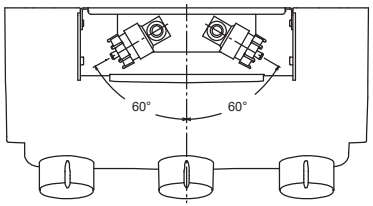
5 Install a flow volume control valve bracket

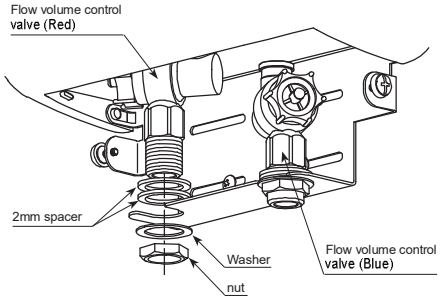
① Insert the'flow volume control valve bracket'into holes found at the bottom of the counter. Install the bracket by aligning it to the convex parts of the counter cover.
② Hammer screw plugs into the pilot holes and secure the bracket at two points using screws.
③ Tentatively tighten urea screws on the left and the right of the bracket.



6 Install flow volume control valves

① Fix the flow volume control valve to the bracket with nuts. Be sure to mount a 2mm spacer and a washer. Facing the wall, the right-hand side is cold water (blue) and the left-hand side is hot water (red).



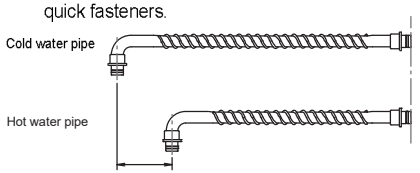


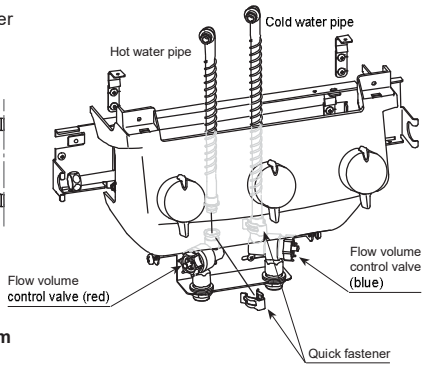
Install the valves opened at about 60° angle.

7 Connect internal cold/hot water pipes

Connect the flow volume control valves and faucet fittings to cold (the long one) and hot water (the short one) supply pipes.

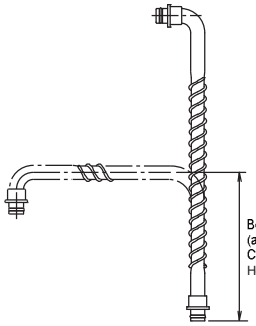
① From the upper opening of the counter, insert water supply pipes in the order of the cold water pipe followed by the hot water pipe to the flow volume control valves. Securely fix them using quick fasteners.

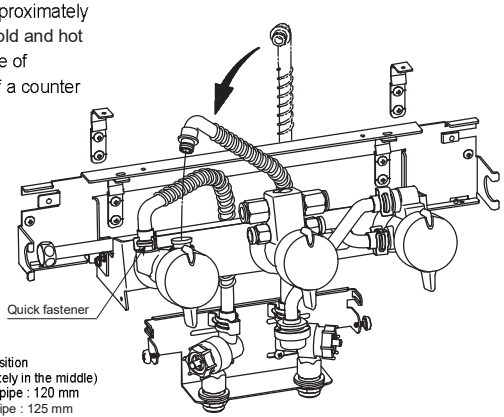




(Note) The length of cold and hot water pipes are different. Make sure to connect them correctly.

② Slowly bend the cold/water pipes approximately in the middle and connect them to cold and hot water side respectively. (For the sake of simplifying explanation, the image of a counter cover is omitted.)



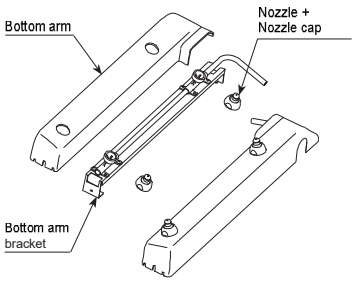


⚠ Caution

Do not insert the pipes forcibly.
It may cause O-rings to shift out of place or tear or cause water leakage.

8 Install bottom arms

① Remove tentatively assembled nozzles and nozzle caps and disassemble bottom arm bracket from bottom arms.



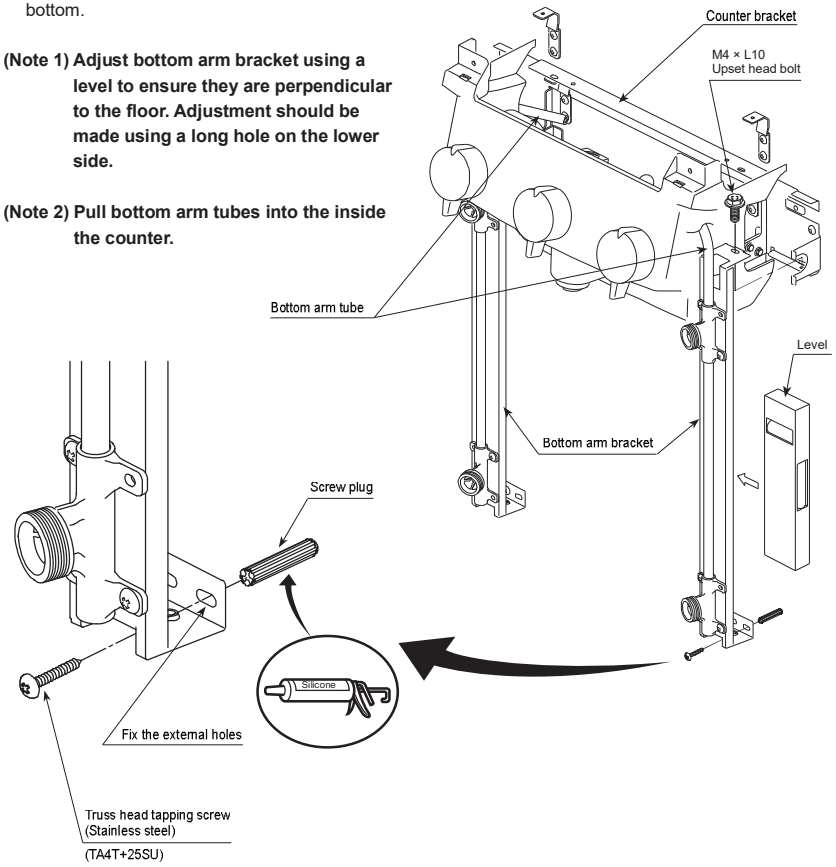
(Note 1) Loosen nozzle caps with hands. If they are loosened with a tool, it may cause scratches.

(Note 2) Be careful not to lose O-rings inside nozzle caps or let any dust settle.

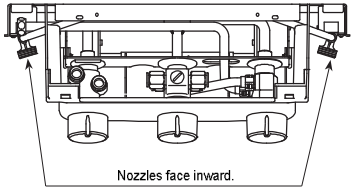
② Hook bottom arm fasteners to the counter bracket and tighten two screws at the top and bottom.

(Note 1) Adjust bottom arm bracket using a level to ensure they are perpendicular to the floor. Adjustment should be made using a long hole on the lower side.

(Note 2) Pull bottom arm tubes into the inside the counter.

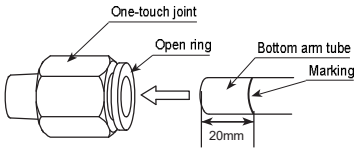


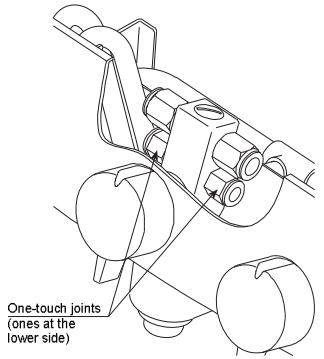
(Note 3) The bottom arm bracket have the left and right sides. Refer to the image on the right and make sure they are installed correctly with nozzles facing inward.



③ Insert bottom arm tubes to one-touch joints (lower side) inside the counter (both left and right).
Connect the tubes as they come in a package as tube length is pre-adjusted.
Mark a point 20mm from the edge face of the bottom arm tube and push the marked point in all the way to the edge face of an open ring.

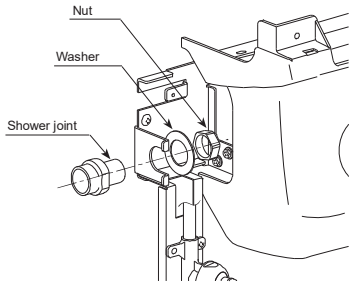
(Note) Push the tubes all the way into the joints. Failing to do so may cause water leakage.





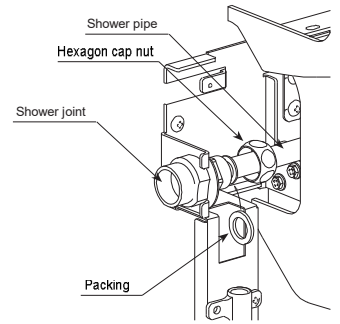
④ Attach a shower joint to the edge of the counter bracket.

(Note) Pull-out direction (left/right) of the shower changes depending on the type of a system bathroom. Be sure to attach the shower joint on the correct side.

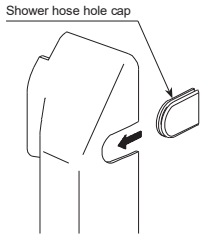


⑤ Connect the shower connection pipe to the shower joint. Screw a hexagon cap nut onto the shower joint.

(Note) Make sure to insert a packing. Packings are tied to a shower pipe using a plastic tie.



⑥ Snap a shower hose hole cap onto the bottom arm at the opposite side of the shower joint.

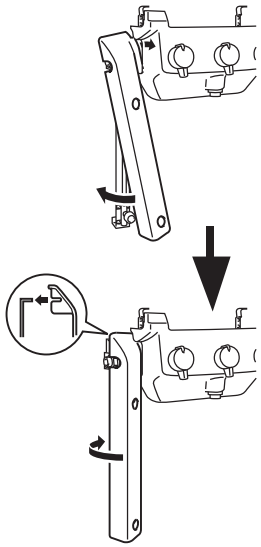


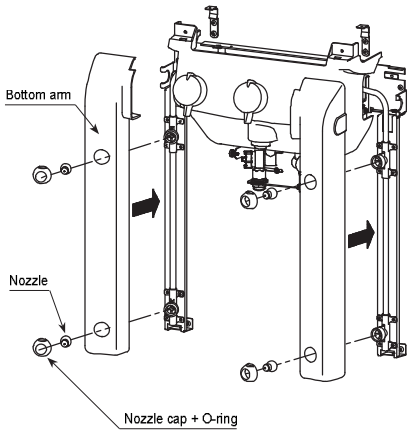
⑦ Install bottom arms. Put nozzles and nozzle caps back on after installing the arms. (Tighten nozzle caps with hands.)

(Note 1) Tighten nozzle caps using hands. If they are tightened with a tool, it may cause scratches.

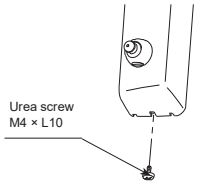
(Note 2) Nozzle caps must be firmly tightened to prevent water leakage. Adjust tightening force to ensure the caps are tightened as firmly the nozzles on the top arm.

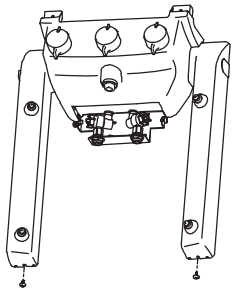
(Note 3) Do not overtighten nozzle caps as it restricts free movement of nozzles. It may also cause damage.





⑧ Securely mount bottom arms to the bottom arm bracket using urea screws (one at left and one at right).





9 Connect cold/hot water supply pipes

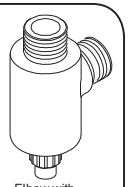
When no "branching"

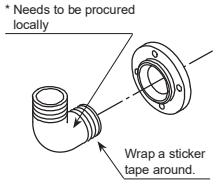
Connection joint set to be used: STG-1A-U

① Connect an elbow or nipple (locally procured) that has been wrapped around with a sticker tape to the wall-mounted joint after removing faucet fittings in the washing area of a bathroom.

In cold regions, connect an elbow with a water drain valve (STG-1A-OSE) enclosed with the connection joint set U (SYG-1A-U).

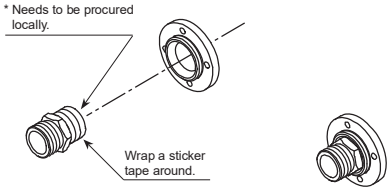
Connect it so that the drain valve faces downward (at an angle that allows water to drain out).





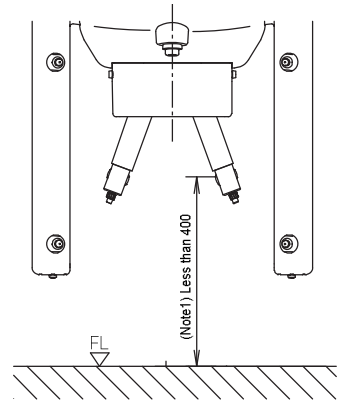
When using an elbow

When using a nipple



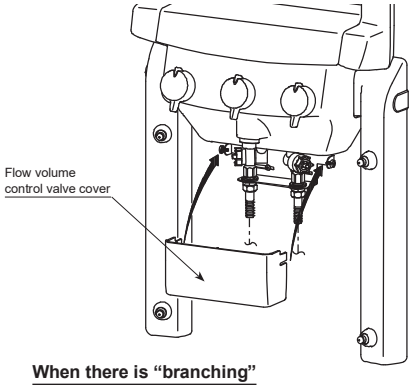
(Note 1) When the distance between the floor surface and the wall-mounted joint is 350-400 mm, connect a nipple. When using an elbow, etc., connect it after changing the pipe arrangement such as bringing it downward.

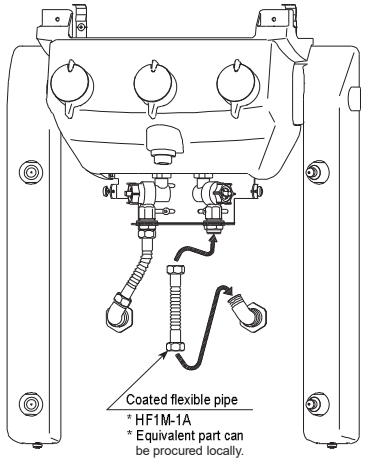
(Note 2) Washers cannot be used.



② Connect to the flow volume control valves on the main body of SHOWER de BATH and to the elbows or nipples connected to the wall-mounted joints using coated flexible pipes, etc.

(Note) Lay out pipes so that a flow volume control valve cover can be installed.

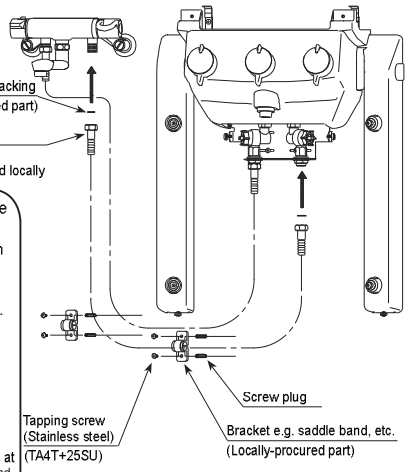




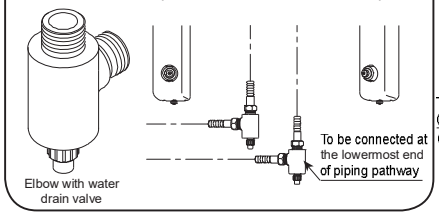
When there is "branching"

Connection joint set to be used: STG-1A-U

① Lay out a pipe from a branched socket to a flow volume control valve using a coated flexible pipe, etc. After setting the pipe in place, secure it with a pipe fixation part (e.g. saddle band).



In cold regions, connect an elbow with a water drain valve (STG-1A-OSE) enclosed with the connection joint set U (STG-1A-U) at the position shown below. The water drain valve must be connected at the lowermost end of the piping pathway. Connect the elbow in a way the water drain valve can be operated after connection is complete.



⚠ Caution

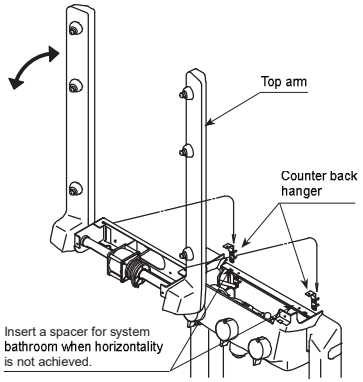
(1) Do not connect the hot water pipe to the cold water supply.
* Hot water comes out unexpectedly when turning cold water on, resulting in burn injury.
(2) Always apply coating when using uncoated pipe for exposed areas to prevent burn injury.

10 Install a top arm

① Hook the top arm to the counter back hangers.

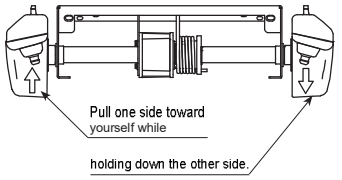
(Note 1) The top arm rotates. Make sure it does not rotate unnecessarily while working on installation.

(Note 2) Do not install the top arm or take it out from a box by pulling one side of the arm as it may cause left and right sides of the arm to be misaligned (i.e. both sides not touching the wall at the same time), etc.



⚠ Caution

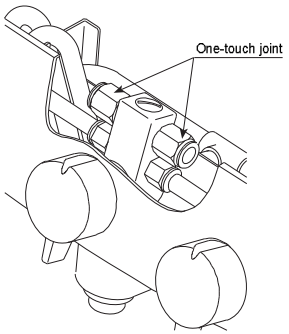
Make sure left and right arm stoppers touch the wall at the same time when the top arm is rested against the wall. If they do not, slowly move one arm back and forth while holding down the other arm to make them aligned.

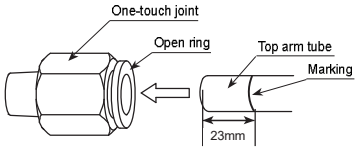


② Insert top arm tubes to one-touch joints (upper side) inside the counter (both left and right). Connect the tubes as they come in a package as tube length is pre-adjusted.
Mark a point 23mm from the edge face of the top arm tube and push the marked point in all the way to the edge face of an open ring.

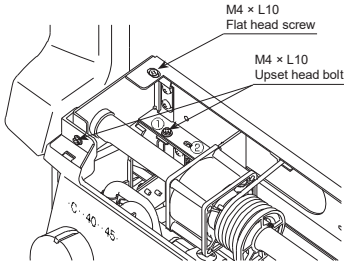
(Note 1) Be careful not to bend a tube when connecting it.

(Note 2) Push the tubes all the way into the joints. Failing to do so may cause water leakage.



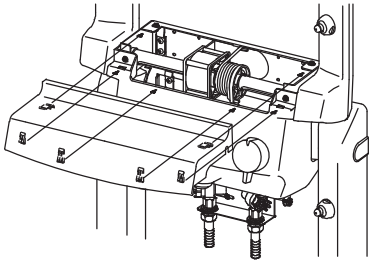


③ Firmly fix the marked points in the image using screws. Fix three points each on left and right side (total six points).

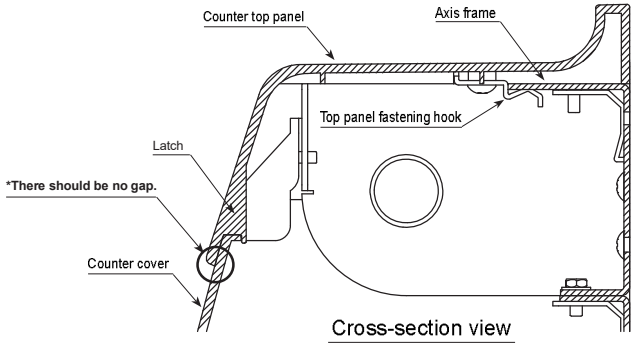


(Note 1) Securely tighten screws on all designated points. If the screws are not tightened properly, the product may rattle.
(Note 2) When unable to fix at ①, use a hole at ② for fixation.

④ Install the counter top panel. Slide the metal fittings on the underside of the top panel horizontally onto the flat surface of the axis frame from the front, snapping the anterior latches into the counter body.

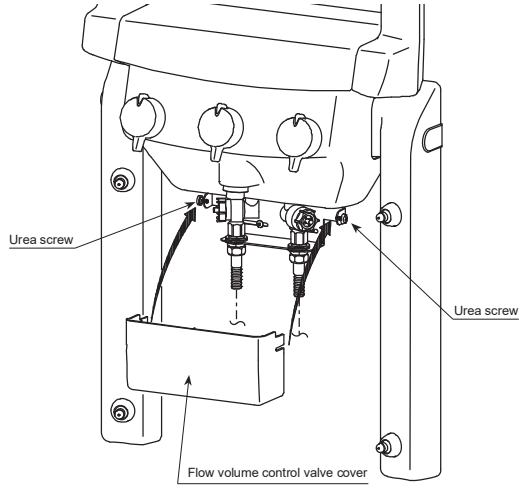


(Note 1) Install the counter top panel horizontally (in a linear direction). Inserting it at an angle with force may cause damage.
(Note 2) If the counter top panel cannot be pushed all the way in, try inserting it while lifting up its front end slightly.
(Note 3) Make sure counter top panel latches (four) are securely snapped onto the counter.
After installing the counter top panel, push up its front side panel with your hands to confirm that it rests firmly on the counter cover without any gap and does not come off easily.



11 Install a flow volume control valve cover

① Fix both sides of the flow volume control valve cover using urea screws.

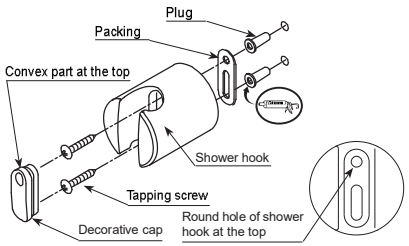


Procedures common for all types

1 Install a hand shower

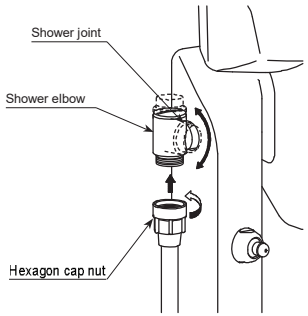
Install a shower hook on a wall. Refer to P.9 '6. Installation position diagram' and open holes. (Determine an installation position of the shower hook based on the installation position of SHOWER de BATH or user's preference.)

① Remove a stripping sheet from a packing and attach it to the back of a shower hook.
② Verify the direction of the shower hook and install it using screws.
③ Put a decorative cap.



④ Screw a shower elbow into a shower joint in a way that allows the shower elbow to rotate 180 degrees up and down. After screwing the shower elbow all the way in, rotate it in the reverse direction for no more than 360 degrees.

(Note) If the shower elbow is rotated in the reverse direction too much, it may cause water leakage or the elbow to fall.

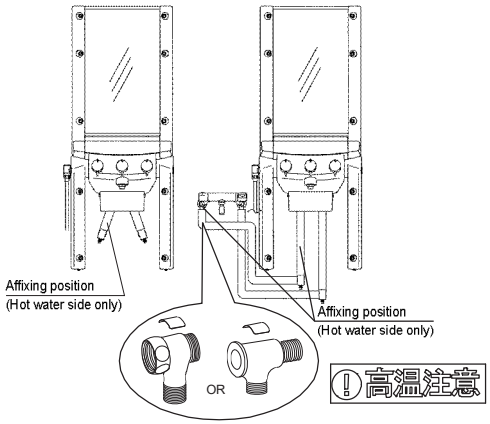


⑤ Make sure that a shower hose is securely connected to the shower elbow by tightening it by hands.

(Note) You must tighten the connection using your hands. Do not use a tool to tighten the connection as it may damage a hexagon cap nut of the shower hose.

2 Affix a high-temperature warning sticker

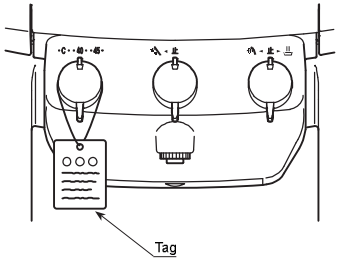
Affix a 'high-temperature warning sticker' enclosed with the main body of SHOWER de BATH on 'hot' water connection pipe. Refer to the figure below when affixing the sticker as affixing position and the number of stickers to affix may differ depending on product specifications.



(Note) Affix the stickers after pipe connection is complete at locations where users can see when standing directly in front of the product.

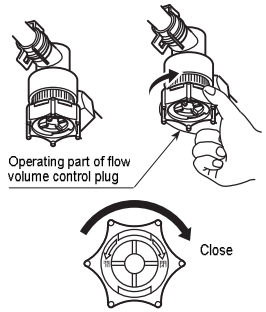
3 Check and adjust faucet water temperature

① Setting the temperature of water heater
Set the hot water feed temperature of a water heater.



(Note 1) Set the hot water feed temperature between 50°C to 60°C.
Set the temperature of a water heater at 60°C or lower to prevent scalding by accidentally running hot water.
(Note 2) Hot water feed temperature change causes the setting of a temperature control handle to be slightly off, and as a result, the temperature indicator does not reflect true running water temperature.
(Note 3) When the setting of hot water feed temperature cannot be verified, hang a tag enclosed in the package to the handle.

② Adjusting flow control
When the water pressure exceeds 0.20MPa (2kgf/cm2), adjust flow volume control valves on cold water (blue) and hot water (red) sides as follows.
(1) Turn the temperature control handle all the way to the 'C' side and fully open the hand shower/spout switch handle on the spout side.
(2) Turn the operating part of the flow volume control valve on the cold water side (blue) with your hand and adjust the flow volume to be approx. 20L/minute (filling up a wash basin in about less than 10 seconds).
(3) Set the indicator button of the temperature control handle to '40' and adjust the flow volume control valve on the hot water side (red) to be approx. 20L/minute.



③ Checking the faucet water temperature
The temperature control handle is preset at the factory, but the temperature indicator may not reflect true faucet water temperature when used under different conditions (cold/hot water supply pressure, hot water feed temperature). Verify faucet water temperature as follows.

(1) Set the indicator button of the temperature control handle to '40' and let the water run at full flow by opening the faucet fully.

(2) Check the faucet water temperature. If it is 40°C, the faucet is ready to be used. If it's not 40°C, refer to ④ 'Setting temperature control handle' to readjust.

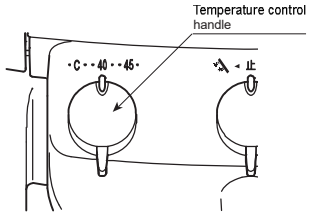
④ Setting temperature control handle
When the temperature indicated by the temperature control handle does not match the actual faucet water temperature, make adjustment by following the steps below.

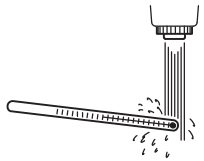
(1) Verify the following before making adjustment.
- Are the flow volume control valves on cold and hot water sides fully open?
- Are strainers on cold and hot water sides unclogged?
- Is the temperature of hot running water more than 10°C higher than the water temperature for actual use?

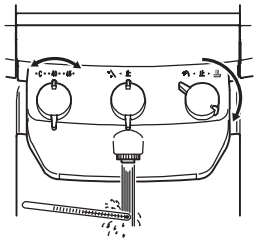
(2) Let the water run at full flow by opening the faucet fully and turn the temperature control handle to bring the temperature of hot water coming out of the spout to 40°C while ignoring the temperature indicator scale.

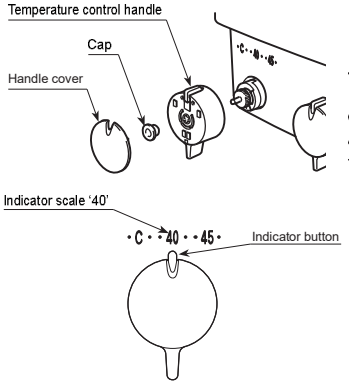
(3) Turn off the faucet when the running water temperature reaches 40°C. While making sure the temperature control handle does not rotate, remove a cap and a sleeve and pull out the temperature control handle.

(4) Put back the temperature control handle pulled out in (3) and align its indicator button with '40' mark on the temperature indicator cover. Put back the sleeve first followed by the cap.







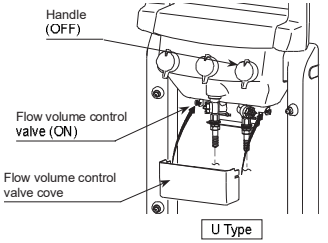


4 Pressure test for cold/hot water supply pipes

Read the instructions given below before performing a pressure test.
(In case the product is installed to a system bathroom, the testing method varies depending on whether there is an instant water heater system or not.)

● In case of a system bathroom without an instant water heater system

· Turn the faucet handle to "OFF" and perform a pressure test (1.72MPa) on cold and hot water supply pipes simultaneously. Do not turn off the flow volume control valve. Make sure it is turned "ON" before running a test.



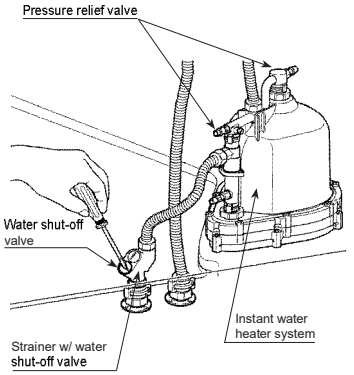
● In case of a system bathroom with an instant water heater system

· Turn the faucet handle to "OFF" and perform steps ① and ② below. Do not turn off the flow volume control valve. Make sure it is turned "ON" before running a test.

① Turn "OFF" the water shut-off valve on the strainer in front of the instant water heater system and perform a pressure test (1.72MPa or lower) on cold and hot water supply pipes.

② Turn "ON" the water shut-off valve on the strainer in front of the instant water heater system and perform a pressure test (0.8MPa or lower) on cold and hot water supply pipes.

(Note) The instant water heater system comes with a pressure relief valve to ensure the operating pressure is 1MPa or lower in accordance with the Industrial Safety and Health Act. For this reason, the pressure relief valve opens when a pressure of 0.8MPa or more is applied directly.



8. Inspection after installation

Perform an inspection of the items listed below to verify that the installation was done properly before the installed product is presented for customer acceptance.

① Makes sure all nozzle caps are securely tightened.
② Visually inspect the entire SHOWER de BATH to verify that it is level and square and all parts fit perfectly.
③ Shake external parts such as arms and a counter gently to ensure they are securely fastened in place and do not wobble.
④ Run water in the order of a spout, a hand shower, and a whole body shower to ensure there are no abnormalities.
* Confirm that flow volume control valves are open as hot water does not come out when they are closed.
⑥ Refer to the user's manual for how to drain out water and clean a strainer.
⑦ Clean the bathroom. Especially when holes were drilled on a steel plate panel, etc., be sure to wash away metal chips and debris as rust may discolor the floor's surface.
⑧ Make sure the water drain valve is closed.

9. Specifications (Please read)

SKU	NYS-3A-AT-UL · NYS-3A-AT-UR
Product mass	11.9kg (NYS-3A-AT-UL · NYS-3A-AT-UR)
Product composition	● Main body of SHOWER de BATH ● Hand shower (switch shower)
Operating parts	● Temperature control handle ● Whole body shower handle ● Hand shower/Diverter switch handle ● Water pause button (switch shower)
Operating water pressure range	0.10MPa (Dynamic pressure) ~ 0.75MPa (Hydrostatic pressure) Cold water supply pressure ≧ Hot water supply pressure *1
Faucet fitting	Built-in thermostatic faucet (JIS-B2061 conforming product)
Faucet fitting pressure resistance	1.75MPa 1 minute
Flow volume	● Whole body shower 9.1 L/min (at 0.1MPa) (Comfortable flow volume range: 8 ~ 14 L/min*2) ● Spout 10.2 L/min (at 0.1MPa) ● Switch shower 6.3 L/min (at 0.1MPa)
Water heater temperature setting	85°C or lower *3
Usable water quality	Tap water
Recommended bath chair	Seating face height 300mm ~ 350mm *2

*1 Adjustment cannot be made properly when hot water supply pressure is higher than cold water supply pressure, and it can cause burn injury.

*2 The average values are shown here.
Refer to the values only as a guide as individual preferences exist for shower strength and the height of chair.

*3 Set the temperature of a water heater between 50 and 60°C to ensure it runs at its peak performance. Set the temperature of a water heater at 60°C or lower to prevent scalding by accidentally running hot water.

- Confirm that the operating water pressures for both cold and hot water supplies are 0.1MPa or higher (hydrostatic pressure under flow condition).
  (Request a plumber to measure water pressure.)
- In case of a storage water heater system type of a heat source equipment, the hot water supply pressure may be set at 0.08MPa or lower by pressure reducing valves of a water heater and it causes variability of setting conditions or insufficient flow volume in case a strong shower stream is preferred. Install a hot water supply pressure device in order to produce a hot water supply pressure of 0.1MPa or higher (hydrostatic pressure under flow condition).
- A whole body shower, a hand shower, and/or a spout cannot be used simultaneously. Using them simultaneously may result in insufficient flow volume.
- When the cold water supply pressure exceeds 0.75MPa, reduce pressure to optimal levels (approx. 0.20-0.34MPa) using a commercially available pressure reducing valve.