W SWING YUME

Model number AY-YMW*

Installation Instructions



(AY-YMWNH is shown in the figure)

Instruction for the installer

- Please read the Installation Instructions carefully before use and conduct the installation work correctly.
- Please hand these instructions to the customer after the installation is complete. Instruction for customers
- Work should be consigned to specialist installers. Alternatively, contact Takara Belmont for the installation work to be performed.
- The customers must not perform the work.
- The customers must keep these instructions safe.
- * The actual product format and the figures and dimensions shown in this document may be subject to change without prior notification for improvement.
- The precautions provided in this document are intended for the safe conduct of the work and to prevent harm and injury to the persons involved in the work and other people. These precautions are important details related to safety, and if an accident should occur because of the failure to follow these precautions, Takara Belmont will not be responsible for any damage or risk to the person performing the installation work or those around them due to accidents.



The items explained under this symbol are precautions that may result in mild or moderate injury or property damage from the incorrect handling of the product if the precaution is not followed.



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Before Installation

Installation of Pipes

The following are important points to adhere to during the installation of pipes. Read through the details carefully and ensure that the pipes are installed correctly.

- When installing this product, ensure that installation of pipes adheres to the instructions outlined in "Precautions during installation of pipes".
- Installing pipes without reading through the precautions will mean water may not mix properly, and a set temperature will not be achieved.
- This product is for indoor use only. The product must be installed in an indoor location.

Precautions during installation of pipes

- Water supply (primary supply) pipes
 - For installation of pipes with direct pressure from the city waterworks, the work should be consigned to a contractor designated by the applicable waterwork bureau and conducted according to the local laws and regulations including the waterworks work standard.
 - For installation of pipes other than those with direct pressure from the city waterworks (water supply pipes descending from the elevated water tank), the work should be conducted according to the local laws and regulations, including the waterworks work standard.
- Avoid the use of materials that generate rust in the water pipes.
 VP pipes or pipes made of materials designated in the applicable region must be used, in principle.
- In principle, type L deoxidized copper pipes should be used for the hot water pipes.
- The hot and cold water pipes should be identical in diameter and pressure as a general rule.
- Reamers must be used to remove the rough edges from the cut surface of pipes.
- The use of inverted U pipes (right-angled loop) must be avoided because this causes accumulation of air.
- Be sure to remove any pipe waste, rubbish, sand, and oil inside the hot and cold water pipes before connecting the pipes because these may cause problems.
- Connect the pipes, test the water passage, then clean the strainer and shower head.
- The gradient of the wastewater pipe must be not less than 1/50 for a pipe diameter of less than Ø75 and not less than 1/100 for Ø75 and higher.
- Do not connect the cold and hot water pipes in reverse.
 Reverse piping causes defects in temperature adjustments in the metal faucet parts and may lead to problems that include the risk of burns.
- The hot water pipes must be connected from the hot water supply unit in the shortest distance to reduce resistance. Longer connections can lead to changes in temperature and poor hot water output.
- Be sure to wrap heat insulation around the pipe after connecting the pipes.
- Guidelines for connecting the pipes for hot water boilers
 - The main hot and cold water pipes should be identical in diameter and pressure as a general rule.
 - Installation of hot water boilers must be consigned to specialist vendors.
- The device contains a hair catcher inside.
- Start-up pipes must be installed away from the anchor position.

Before Installation

Request to take measures to prevent water leakage under the floor and downstairs

Measures must be implemented to prevent leakage of water in the case of water leak accidents.

- The floor must be made of waterproof materials.
- If there is an opening on the floor surface, the opening must be closed in the interior work. (Waterproofing work)
- In addition, pipe gaskets must be installed.
- Furthermore, waterproofing work must be conducted to ensure that the floor is made waterproof.
- Takara Belmont will not be held liable for water leakage accidents caused by insufficient waterproofing measures.

Installation of Pipes

- Materials used for floor surfaces and floor finishing (floor materials) must be waterproof or treated with waterproofing applications.
- \circ Make sure that the floor surface is horizontal (slope less than 6/1000).
- Floor must be made smooth so that there is no roughness or steps in the area of installation.
- Avoid using floor materials which become slippery when wet with water.
- Waterproofing treatment must be applied if the product is being installed upstairs.
- If tiles and other materials are used for finishing the floor surface, cracks may occur from the tightening of the bolts during product installation. If this is the case, plywood, mortar, and other materials should be used in the area of installation in contact with the floor with reference to the product fixation position diagram and templates.
- The following strength requirements are set for the floor surface:

For wooden floors	Reinforcing backing material with plywood thickness of at least 30 mm (double layer of at least 15 mm)
For mortar floors	Mortar thickness of at least 50 mm
Special floors (such as stone-clad floor)	Foundation with the strengths shown above must be ensured for the area of installation

Conditions of Use

Conditions of hot and cold water used

Water used	 Tap water (Avoid the use of well water, spring water, and water containing rust and sand.) If the water hardness is 80 ppm or higher, the water should be treated with a water softener to prevent clogging of the device with scales. Also, potable well water must be treated with a
	water softener because this may cause difficulty in lathering foams when washing the hair.
Hot and cold water supply pressure	 The pressure should be set between 0.1 to 0.4 MPa (1 to 4 kgf/cm²). Also, the pressure must not reach at or below 0.1 MPa (1 kgf/cm²) when multiple devices are being used. Cold water supply pressure must be equal or higher than the hot water supply pressure. The difference between the hot and cold water supply pressure should be within 0.2 MPa (2 kgf/cm²).
Temperature for supply of hot water to the device	 The water supply temperature for the hot water supply unit should be set at not more than 80°C. The temperature should be at least 10°C higher than the shower temperature used.
Hot water supply unit	 The use of a warm current system dedicated for hair and beauty salon treatment is recommended for the hot water supply unit. For methods of work involved, refer to the Guideline for Warm Current Works of Salon Hot Water Supply System attached to the warm current system. If an instantaneous water heater is being used, this should be at least No. 16 in size. (Capacity for hair washing is equivalent to one main unit of W SWING YUME for each instantaneous water heater used.) If a hot water storage boiler is being used, the instructions for the hot water storage boiler must be referred to. Passage of high temperature liquid (vapor) above the temperature of hot water supply shown above may cause damage to the hot water pipe. A vapor generator must be connected to the hot
	water pipe to avoid generation of high temperature vapor.

Packaging Details



□Head pillow: 1 set



Packaging Details

□ Shower hose □Intermediate hose (With shower head holder and (With two couplers and gaskets): 1 dual function shower head): 1 ANA Drainage hose: 1 Drainage elbow: 1 □PVC pipe (VP30): 1 □ Pipe start-up gasket: 1 □Coupler holding Chair position □Flexible connector (long, medium, short) fixture: 1 marking sticker: 6 (for hot or cold water) (Long) : 2 (Middle) : 1 (Short) :1 Tap Drainage hose holding parts: □ Drainage hose gasket (For hot and cold water): 2 (Large) 1, (small) 3 (large and small): 1 each Replacement mohair tape: 1 □Screw set (With mohair tape operating instructions) • Coach bolt M8×65 : 6 bolts • Anchor bolt M8×70 : 6 bolts • Flat washer Ø22×1.5 : 6 washers • Truss screw : 2 screws M8×8 • Cap bolt (With flat W and SW) M6×35 : 4 bolts □Installation Instructions (this document): One copy Hair catcher: 1 Drain cap: 1 Operating Instructions: One copy

Device Delivery

Delivery of the frame unit

Remove the cover from the frame unit

 Remove the maintenance cover. Remove the knurled thumb screw securing the maintenance cover. [Knurled thumb screw M5×15: 2 screws]

A CAUTION

Do not misplace the screws after removing them.

2) Remove the side panel L/R. Remove the knurled thumb screw securing the side panels. [Knurled thumb screw M4×12: 4 screws] Slide the side panel downward to remove the side panel from the frame unit.

A CAUTION

When removing the knurled thumb screws, the side panels should be supported with a hand to prevent them from slipping off the frame unit.

3) Remove the arm cover L/R.

Remove the knurled thumb screws securing the arm covers. [Truss screw (white) M4×10: 5 screws, truss tapping screw (white) M4×14: 5 screws]





Maintenance cover

Knurled thumb screw(M5 x 15)





Knurled thumb screw (M4 x 12)

Device Delivery

7 Remove the frame unit from the pallet

 Remove the screws securing the frame unit from the base frame. [Hexagonal bolt M8×20: 6 bolts]

CAUTION

- Do not misplace the screws after removing them.
- Avoid working on a significantly angled floor because it may lead to falling over. (5°C and higher is not allowed)
- 2) Transfer the frame unit onto a flat floor surface.

The device must be transported by at least two people with one person holding the side of the frame main unit and the other person holding the arm side as shown in the figure.

A CAUTION

Avoid holding the non-designated locations when moving the device. This may result in damage and deformation.



• Do not hold the device by the covers. This may result in damage and deformation.

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- Remove metal articles, such as watches, when moving the device.
- Avoid contact with the pipes. This may cause water leakage.
- Avoid accidental contact with the frame unit after moving. This may lead to falling over.
- 3) Remove the screws securing the base unit from the pallet. [Hexagonal bolt M8×50: 4 bolts]

The screws removed will not be used.



[Frame main unit side]

Position for Product Installation

1 Mark the position for mounting with bolts (anchors)

- When installing the product, conduct preparation using the dedicated template and carefully checking the pipe start-up dimensions and method.
- Fix the dedicated template to the floor at the start-up position of the cold water pipe, hot water pipe, and drainage pipe.
- 2) Mark the position for securing the basin main unit and cabinet main unit with bolts (anchors).
- 3) Drill holes at the positions for fixation of the product main unit with bolts (anchors).See "Anchor bolt work procedure" [page 11] 1) and 2).
- 4) Remove the template.



<Dimension correlation table>



Attaching the frame unit

1 Attach the pipe gasket

- 1) Make slits in the pipe gasket according to the position of the start-up pipes.
- 2) Remove the sheet on the adhesive surface of the pipe gasket and attach the gasket to the floor.
- Cut the slitted section of the pipe gasket round according to the pipe surface and perform caulking to eliminate any spaces.

A CAUTION

- The pipe gasket must be attached, and caulking must be performed to eliminate any spaces to prevent condensation inside the main unit and the infiltration of water under the floor in case of water leakage.
- If the pipe gasket is not attached, condensation may occur and lead to accumulation of water under the floor or result in deterioration and the malfunction of component parts.



2 Installation

1) Install the base frame according to the hole made using the template.

A CAUTION

Care must be taken for the direction of the base frame during installation.

2) Fix the base frame using the coach bolts or anchor bolts (six positions).

Plywood floor:

Coach bolt (M8×65) + flat washer (Ø22)

Concrete floor:

Anchor bolt (M8×70) + flat washer (Ø22)

A CAUTION

Check that the base frame is not angled forwards or backwards before fixation. Failure to do so may result in a deviation in the positional relationship with the chair.



Anchor bolt work procedure

CAUTION



- De sure to attach the flat washer when securing the botts.
- Hammering the anchor bolt against the base of the lower hole will reduce the strength.

Make sure sufficient space is left.

- Install the frame unit on top of the base unit. The frame unit should be moved according to the device delivery [page 8] 2-2)
- Use the screws removed in device delivery [page 8] 2-1) (hexagonal bolts M8×20) to temporarily attach the frame unit onto the base frame (six positions).



Attaching the basin unit

1 Attach the basin unit to the frame unit

 Check that the positioning screw on the basin unit is located on the back of the basin.

 Insert the drainage inlet section slowly from straight above the drainage outlet section of the frame unit.

After inserting, check that the positioning screws are fitted in the notch on the frame unit.

A CAUTION

Keep the hands on the basin unit until the basin unit is secured with the screw in at least one position. Failure to do so may result in the basin unit falling over.



Fix using screws.
 [Cap bolt M6×35: four bolts]

A CAUTION

Be sure to check the following items. Failure to do so may lead to water leakage.

- Check that the basin section rotates smoothly without loose movement.
- Check that the joint does not come in contact with the arm top panel when the basin section is rotated.



 Attach the intermediate hose. Attach the screw side of the intermediate hose to the tap at the position shown in the figure.

CAUTION

CAUTION

- The pipe gasket must be attached, and caulking must be performed to eliminate any spaces to prevent condensation inside the main unit and the infiltration of water under the floor in case of water leakage.
- If the pipe gasket is not attached, condensation may occur and lead to accumulation of water under the floor or result in deterioration and the malfunction of component parts.



- Check the accessory "Coupler operating instructions" on how to remove the coupler.
- Pull the coupler gently to check that the coupler does not fall off the socket. Rotate the coupler lock ring to the lock position.
- 5) Fix the coupler holding fixture using screws as shown in the figure.[Truss screw M4×8: two screws]



6) Attach the shower hose.

Pass the screw side of the shower hose to the shower head holder from the basin side. Attach the screw of the shower hose to the tap at the position shown in the figure.



- The accessory gasket must be inserted in between when securing the shower hose with the screw. Failure to do so may lead to water leakage.
- Check that the shower hose is not twisted. Fit the cover with the shower hose passing through onto the shower head holder secured onto the basin.
- Ensure that the sponge is attached in the correct direction. The hard side faces upwards.



Cover

Check for the Horizontal Installation of the Basin main unit

Check that the arms are horizontal (front and back, left and right).

Check that the frame unit is not angled forwards or backwards before fixation. Failure to do so may result in a deviation in the positional relationship with the chair.



If the installation is horizontal

1) Tighten the screws securing the frame unit to the base panel (six positions) [see page 11].

Method of adjustment if the installation is not horizontal

If the arms are not horizontal, the frame unit should be adjusted according to the following procedure:

- 1) Loosen the screws securing the frame unit to the base panel (six positions) [see page 11].
- 2) Loosen the adjusting screw nuts (four positions) and turn the adjusting screws to adjust to the horizontal.
 - If the arm angle is
 - Z-positive, turn the adjusting screws RR and LR clockwise.
 - Z-negative, turn the adjusting screws RF and LF clockwise.
 - X-positive, turn the adjusting screws LF and LR clockwise.
 - X-negative, turn the adjusting screws RF and RR clockwise.
- 3) After adjustment, tighten the adjusting screw nuts (four positions) and the screws securing the frame unit to the base panel (six positions) again.



Attaching the Pipes

1) Check the following items before the operation:

Pipe start-up is performed as instructed in "Product fixation position diagram" [page 25 to 26] according to the product specifications (installation and piping).

2) Remove any pipe waste, including rubbish, sand, and oil.

CAUTION Make sure that pipe waste, including rubbish, sand, and oil, is removed before connecting the pipes. Failure to do so may lead to water leakage.

Piping

1 Attach the flexible connectors for hot water and cold water

Attach the flexible connectors for hot water and cold water as shown in the figure [see page 17].

7 Attach the drainage hose to the start-up drainage pipe

Attach the drainage hose as shown in the figure [see page 17].



A CAUTION	 Check that the drainage hose is not bent or scarred. This may lead to poor drainage flow and damage to the drainage hose. Check that the drainage hose holder is secured firmly. Failure to do so may lead to water leakage or result in the drainage hose falling off
	 Check for double trapping. Double trapping causes poor drainage. If double trapping has occurred, check the position in which the basin main unit is installed and the dimension of pipe start-up before making adjustments again.

Attaching the Pipes

For piping under the floor:



Attaching the Pipes

3 Conduct water passage test

A CAUTION	 The water passage test must be conducted to prevent accidents during use. The tap (basin part) is not closed tightly when the product released. Water may be released from the shower head when the tap (ball valve) is opened.
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Pass the water through and conduct inspections for the following items. Hot and cold water may be cloudy when the water passes through initially; however, this is not considered an abnormality.

1) Is water leaking from the pipe joint section?

Check the pipe joint section in the hair washing unit carefully because these may have become loose during transportation.

- Is the pressure of hot and cold water the same and consistent?
 If the pressure is not equal, see "Troubleshooting for defect in temperature adjustment" [page 19].
- 3) Is temperature control performed correctly?
- 4) Is sufficient amount of water outputted from the shower?

Check should be performed according to the following standards:

Standard for the amount of water output from the shower

Hot and cold water pressure: 0.1 MPa Temperature of water output from the shower: 40°C

Shower head (Foaming) : About 7 L/min (Shower) : About 8 L/min * The thermostat in this product is only capable of outputting water up to about 49°C in temperature.

(However, the value shown above applies when the water is supplied at the same pressure with cold water supplied at 20°C and hot water supplied at 60°C in temperature, and variations may occur according to the hot water supply unit and pipe environment used.)

4 Cleaning

When the hot and cold water passing through is no longer cloudy, be sure to clean the strainer (inside the catch valve) and shower head panel.

Failure to do so may lead to insufficient water output and defects in temperature adjustment.



CAUTION Be sure to close the tap when cleaning the strainer.

Troubleshooting for defects in temperature adjustment

Details of problem

- 1) Abnormality in hot water output (the water changes from hot to cold and vice versa)
- 2) Unable to obtain hot water (high temperature)
- 3) Unable to obtain cold water (low temperature)

Estimated cause

1) There is a large difference in pressure between hot and cold water, or the pressure on the hot water side is higher than that of the cold water side.

[Cold water supply pressure \geq hot water supply pressure (difference between cold and hot water supply pressure must be within 0.2 MPa]

2) Cold and hot water supply pressure is too high.[Should be within the range of 0.1 to 0.4 MPa (1 to 4 kgf/cm2)]

Troubleshooting method

Attach a decompression valve (sold separately) between the flexible connector for hot and water and the tap to adjust the pressure. (It is recommended that hot and cold water be supplied at the same pressure.)

* Please contact your local Takara Belmont dealer for information on the decompression valve.

Attaching the Basin Main Unit

Attaching the cover

Attach the cover to the frame unit

1) Attach the arm cover L/R.

Attach the arm cover temporarily onto the arm top panel using the screws removed in device delivery [page 7] 1-3) (truss screw (white) M4×10). (Two positions each, four positions in total) Following this, fix the L and R onto the arm top panel using the screws removed in device delivery [page 7] 1-3) (truss screw (white) M4×10, truss tapping screw (white) M4×14). (Five positions in total)

Move the arm cover towards the inside and tighten the screws used for temporary attachment.



Attaching the Basin Main Unit

2) Attach the side panel L/R.

Slide the fixtures on the top side of each side panel (two positions) underneath the frame cover. Attach each side panel to the frame unit using the screws removed in device delivery [page 7] 1-2) (Knurled thumb screw M4×12) to the screw holes on the fixtures under the side panel (two positions). (Two positions each, four positions in total)

A CAUTION

Side panels must be attached so that the area outside the front cover are the same.

 Attach the maintenance cover. Slide the maintenance cover under the frame cover and attach to the frame unit using the screws removed in device delivery [page 7] 1-1) (Knurled thumb screw M5×15).



After Installation

Inspection item

- 1) Are there any screws remaining after installation?
- 2) Are there any loose parts in the product? If there are loose parts, check the tightness of the screws used to attach the parts.
- 3) Are there any cracks or stains on the basin?
- 4) Are there any abnormalities in the appearance, such as scars?
- 5) Is there any water leakage on the floor or in the product? If there is water leakage, check the tightness of the pipe joints.

Attaching the Neck Cushion

1 Align the neck cushion as shown in the figure and fit the neck cushion to the mounting fixture

Make sure that the neck cushion faces the correct direction. Be sure that the entire neck cushion fits inside the basin.





2 Attach the snap button on the left side of the neck cushion to the fastening pin on the mounting fixture

Check that the snap buttons on the front and back are attached.



3 Shape the neck cushion along the mounting fixture and attach the snap button on the right side to the fastening pin on the mounting fixture

Check that the snap buttons on the front and back are attached.

Fastening pins are removable. Make sure that the pins are not misplaced.

When removing the neck cushion, remove the snap buttons (four locations) from the fastening pins and lift the neck cushion. Removing the snap buttons forcibly with excessive power may cause the parts to break.
 Check that the entire neck cushion is contained inside the basin and check that the neck cushion is not folded or attached in an unnatural position. This may cause the neck cushion to break or cause the water to spill out from the front of the basin.
 Do not apply excessive force when attaching the neck cushion. This may cause damage to the neck cushion.

Attaching the Head Pillow

Align the head pillow to the mounting part as shown in the figure and insert the pillow into the mounting fixture.





Hold the head pillow by the edges when inserting the head pillow.

Product Dimension Diagram

[Unit:mm]





Dimensions marked with an asterisk (*) can be moved to the same angle in the other direction.

Product Fixation Position Diagram





Product Fixation Position Diagram

For piping above the floor (L specifications)



For piping above the floor (H specifications)





MEMO

