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Manufactured By:

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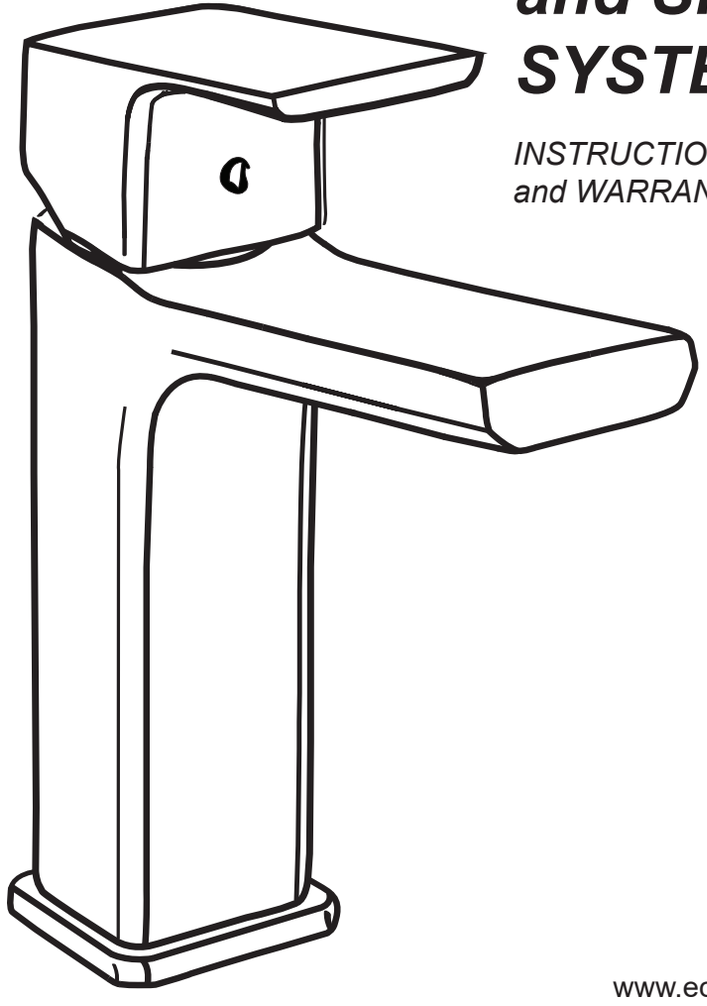
E.C.A®

FAUCET and SHOWER SYSTEMS

INSTRUCTIONS MANUAL and WARRANTY DEED



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MODELS

- Sink Faucet
- Sink Faucet with Spiral
- Washbasin Faucet
- Bathroom Faucet
- Shower Faucet
- Built-in Bathtub Faucet
- Sink Tap
- Washbasin Tap
- Built-in Bathroom Faucet
- Built-in Shower Faucet
- Urinal Tap
- Closet Tap

E.C.A.
ecotechnology

www.ECAecotechnology.com

Considering eco-technology, E.C.A minimizes the amount of non-renewable natural resources starting from the production process thus designs products encouraging the final consumers to save energy and resources on based of environmental awareness and the next generation.

Model of the product you have purchased is stated on the product box.
Products you have purchased have been manufactured in our environment-friendly facilities.
This manual is printed on recycled paper.

RECOMMENDATIONS

Before Mounting:

• Before mounting your armature, please view its manual.

• Make sure that you have the warranty card you received with the armature signed by the dealer from which you have purchased your armature.

• Keep your manual as long as the warranty period of your armature.

• Keep your armature in its original package until you reach where you would mount it.
• If the mains pressure is over 5 bars, operating your armature for a long time at this pressure reduces its lifetime. Therefore, please use E.C.A pressure-reducing valve on the inlet of installation. (G1/2” Product code for installation 602111004)

•Mount an E.C.A filter on the inlet of the installation to which you will fasten your armature. (G1/2” Product code for installation 601010001)

• Before mounting your armature to the installation, run some water to clean inside of the pipes.

• In order to fasten washbasin and sink faucets to the installation, use an E.C.A Interval Tap with Filter. (Product code 102111066)

• Do not use chrome-coated armatures at places like thermal springs.

• Do not leave your armature fastened for a long time in buildings under construction. Materials such as construction mortar and lime may shed over the armature. Besides, chemical materials within the air may combine with the moisture in the air and cause deformations over the surface of the armature. If such materials have fallen or stuck to the armature during construction, do not scrape them off with hard items. If the armature is to remain in buildings under construction for a long time, isolate it from the ambient by covering the armature with a bag.

• Your armature has been designed to operate at an ambient temperature between 5°C and 60° C. Take necessary precautions to avoid your armature's being affected by frost, in particular at ambient conditions below 5°C.

While Mounting:

• Do not let any uncovered wrench, in particular pipe wrench, to come into contact with the surfaces of your armature during mounting.

• Use a mounting template during the installation of pipe installations, for an easy and proper mounting of bathroom, washbasin and sink faucets on the wall.

• Do not ever use a wrench while mounting flexible connection hoses of washbasin and sink faucets to the main body. Sealing component (O-ring) at the end of hoses entering into the body is sufficient for sealing. Make sure that the hoses are mounted properly onto the body.

• After fastening your armatures to the installation, turn the valve on and see if there is any leaking at junction points of the armature. . In case of leaking at junctions, perform proper mounting to make the junction sealed. Do not use the armature before performing a leak control.

While using:

• Wiping your armature with a soapy cloth and drying with a dry cloth is sufficient for cleaning.

• Where water hardness is high, you can prevent gray stains from appearing by wiping the armature surface more often.

• In order to clean armature surfaces, do not use sponges with a green side which contains abrasive and hard materials nor steel wools and cleaning materials with acid.

• Wipe your armatures once in every six months, or when necessary, with a soft cloth wetted in kerosene.

• In all kinds of failures likely to arise from ambient conditions and usage errors, prefer E.C.A spare parts in order not to deform product features.

Troubleshooting:

If no or less water emerges from the faucet;

• Control by turning other faucets within the house on to see if there is water cut or shortage.

• Demount the aerator group on water outlet port, clean it with plenty of water and remount.

• By switching the temperature adjustment flywheel (thermostatic unit group) first to 20° C and then to 50°C, ensure that sufficient amount of water is emerging in both conditions. If water flow amount is not sufficient in one or both of the conditions, cut the water off through the main valve and demount the faucet from the wall installation, via the nuts behind it. Remove the seal with a filter, placed within the nuts, wash it with plenty of water and place it back. Remount the faucet to the wall installation.

• If the problem has not been solved yet, please refer to E.C.A. Authorized Service.

If the water temperature changes too much or not emerging at the desired degree;

• Check through other faucets within the house whether the hot water resource (combi boiler, geyser, water heater, hot water tank etc) can supply water at the required temperature.

• By cutting the water off through the main valve, demount the faucet from the wall installation, via the nuts behind it. Remove the seal with a filter, placed within the nuts, wash it with plenty of water and place it back. Remount the faucet to the wall installation.

• If the problem has not been solved yet, please refer to E.C.A. Authorized Service.

Esteemed Customer,

We kindly request you to read the entire of this manual carefully, before mounting the armature produced by us in our modern facilities to your installation.

Expected life determined for the armatures by the Ministry of Industry and Trade is 5 years, while the warranty period is 2 years. In terms of function, all parts are under our warranty for 5 years, and in terms of coating, chrome-coated metal parts are under our warranty for 5 years.

Bathroom, bathtub, shower and appliqué armatures are sanitary installation faucets over tiles; Washbasin Faucets over washbasin ceramics; Bidet Faucets over bidet ceramics; Kitchen Sink Faucets over kitchen top or kitchen sink of kitchens.

Your armature has been designed to operate at 5 bars of mains pressure and 60° C water temperature, under normal circumstances. Maximum operation conditions for your armature are 10 bars of mains pressure and 80° C water temperature.

POINTS TO CONSIDER ABOUT BUILT-IN BATHROOM AND BUILT-IN SHOWER FAUCETS

A 100% leak test is performed on built-in faucets, as is the case for all faucets.

Nipple nut groups have been mounted to the main body with removable hermetic sealing of international standards, which is harmless for human health and can be used for potable waters.

Built-in faucets have a removable nature, when required, if mounted properly. This feature allows intervention without breaking tiles, in cases of leaking or coating problems likely to occur after usage.

Wall rosettes of built-in bathrooms have been designed in proper sizes, in order to ensure removability feature. During applications like marble, tiles etc, size of the wall rosette should be considered, and the space left should definitely not exceed the circumference of the rosette.

PROPER MOUNTING

• Before mounting built-in faucets to the installation, run some water from the pipes, so that wastes likely to be present within installation pipes can be cleared.

• Do not ever perform flax, teflon etc applications by removing nipple nut groups of the built-in faucet from the main body!

• Using fiber washers only, while mounting nipple nut groups of the built-in faucet to the main installation pipes is sufficient.

• In order to avoid junction points of the built-in faucet from being damaged by plastering procedures, protective covers should be used. By doing so, junction points will not be covered by plastering and will remain their removable feature.

• After fastening the built-in faucet to the installation, turn the valve on and see if there is any leaking at junction points. In case of leaking at junctions, perform proper mounting to make the junction sealed. Do not mount or use other parts of the product (wall rosette, arm etc.), before performing a leak control.

• If the pressure of installation is over 5 bars, operating at such pressure for a long term will shorten the lifetime of your armature. Therefore, please use E.C.A pressure-reducing valve at the inlet of installation. (G1/2” Product code for installation 602111004)

MOUNTING INSTRUCTION FOR BUILT-IN BATHTUB CONTROL GROUP

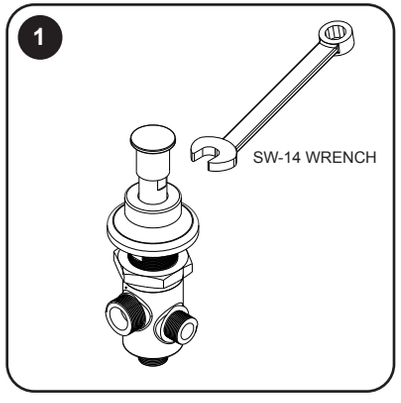


Figure 1)

Shaft group is demounted from the body group with the wrench no 14.

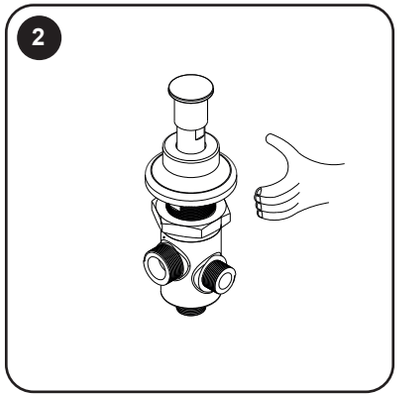


Figure 2)

Rosette is demounted from the body group together with the shaft group.

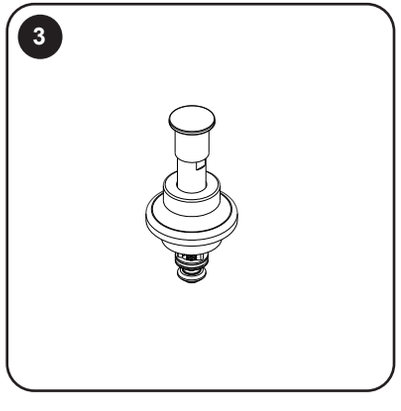


Figure 3)

Rosette and shaft groups are separated.

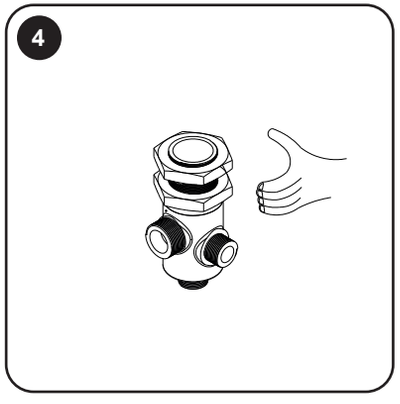


Figure 4)

Upper nut attached to the body group is demounted.

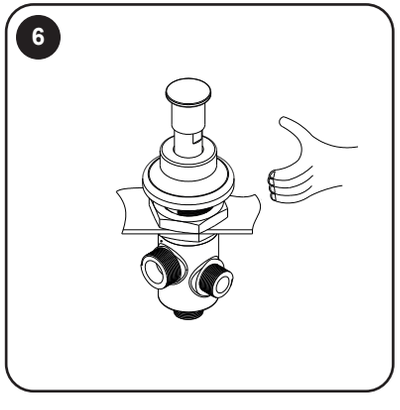


Figure 6)

Rosette of the fastened shaft group is tightened by hand.

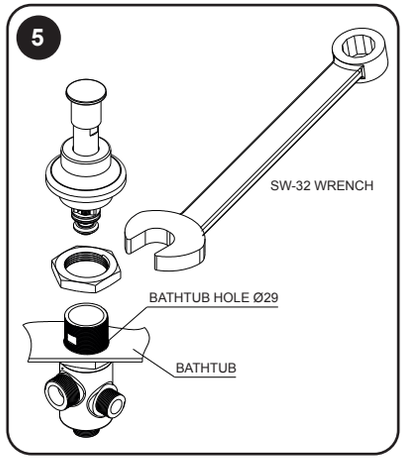


Figure 5)

Body group is fastened by passing through bathtub hole and the demounted upper nut is tightened with the wrench no 32. then, shaft and rosette groups are mounted back.

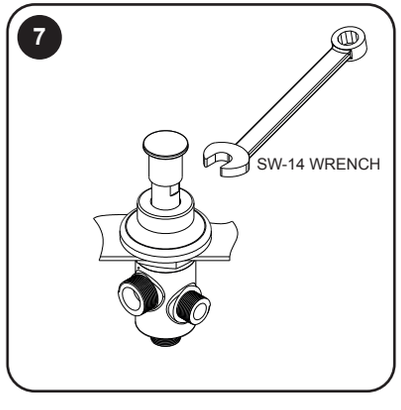
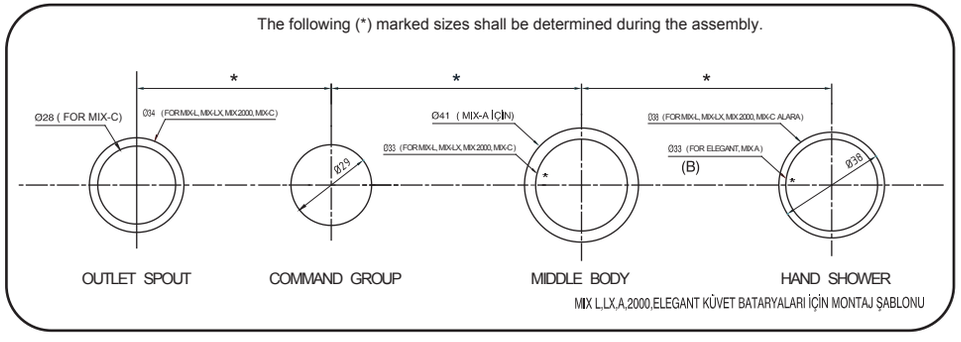


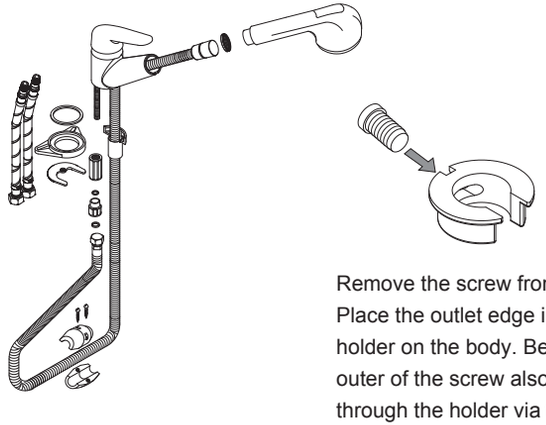
Figure 7)

Shaft group is tightened with the wrench no 14.

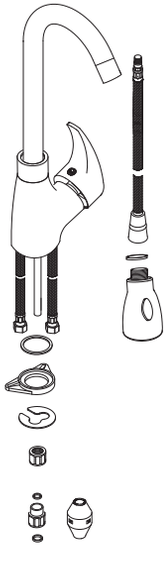
BUILT-IN BATHTUB FAUCET PATTERNS



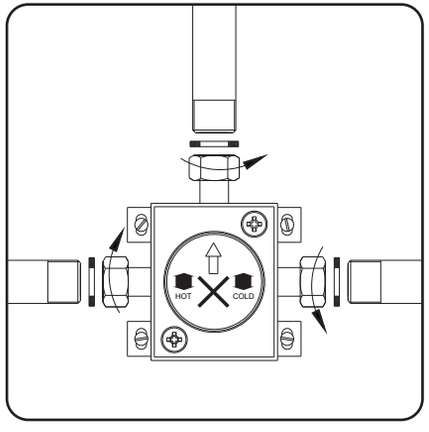
SINK FAUCET ASSEMBLY

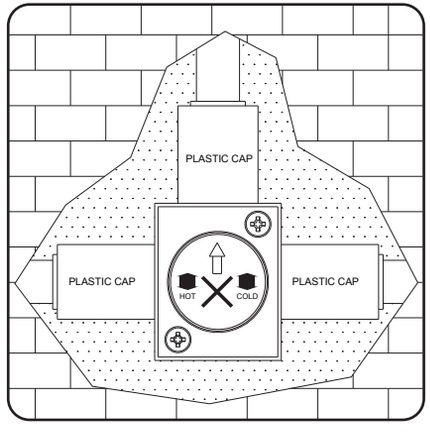


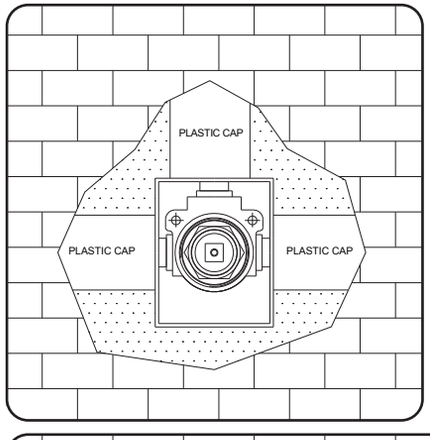
Remove the screw from the body. Place the outlet edge into the holder on the body. Be sure the outer of the screw also passed through the holder via the underneath plastic base, while tightening the screw.

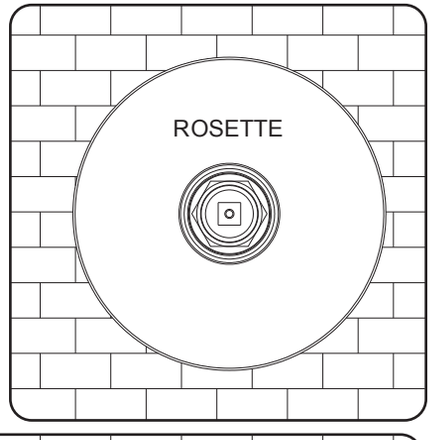


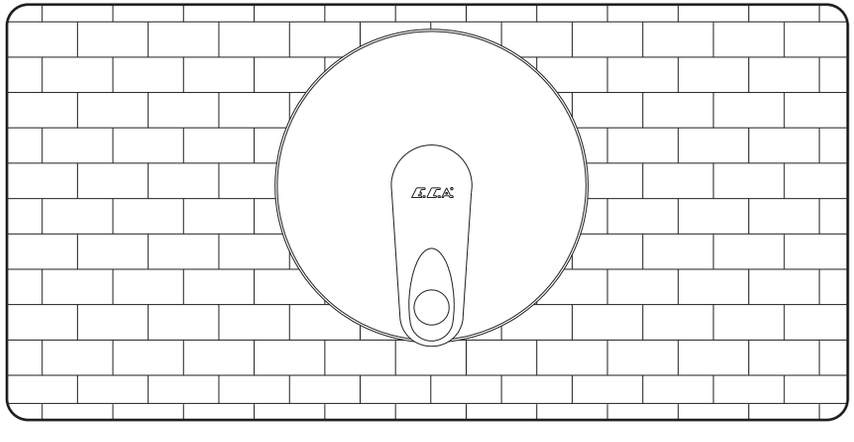
BUILT-IN BATH AND BUILT-IN SHOWER FAUCETS ASSEMBLY



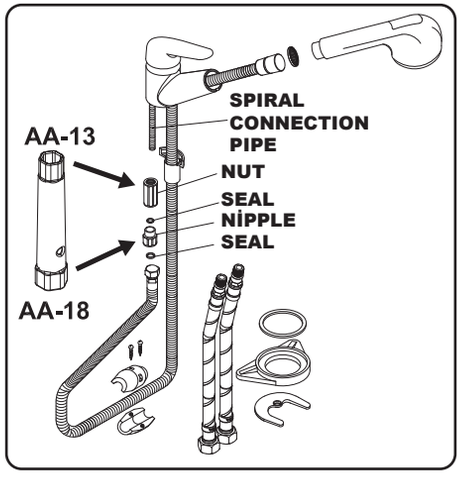








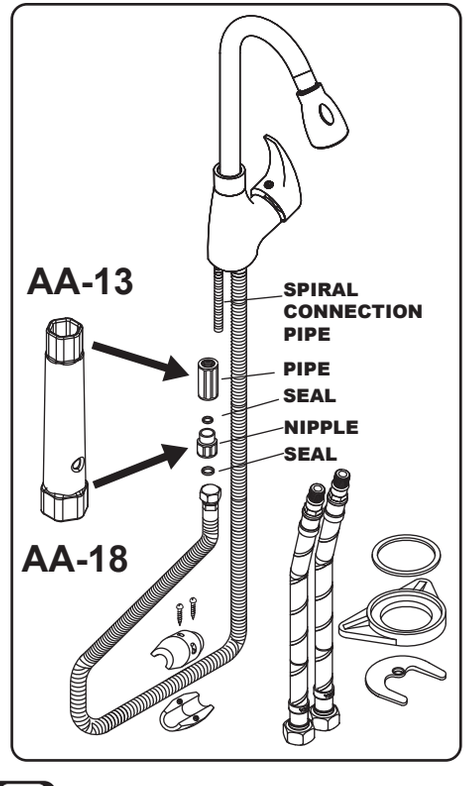
POINTS TO CONSIDER AT THE ASSEMBLY OF THE BATTERY OF THE SINK WITH SPIRAL



Read the Introduction and User's Manual and Warranty Certificate before having the battery assembled to its place. 100% leakage test is applied to the batteries of the sinks with spirals just as it is applied to the all batteries.

DO NOT USE SWITCH while assembling the hot water-cold water flexible connection pipes of your battery to the trunk. Do not use Teflon, Linen etc. at the connection pipe tip entering the trunk. Stuffing (O-Ring) at the connection pipe tip entering the trunk is enough for the leak tightness. Make sure that the pipes are assembled to the trunk properly.

Assemble the lower sole bar members of your battery in the right order.



Assemble the nut and the nipple on the spiral connection pipe of your battery by using **AA13 and AA18 PLASTIC KEY** with its related sealing. You may have problems while applying proper force to the nut and the nipple if you use hand tools instead of plastic key. If you can not apply proper force during the assembling; you may damage, bend or defect the spiral connection pipe and you may also cause leaking problems at the part where the spiral connection pipe is assembled to the truck (Spiral connection pipe is assembled to the truck with an unremovable leaking glue having international standards and the glue is not harmful to human health and usable at drinkable waters.)

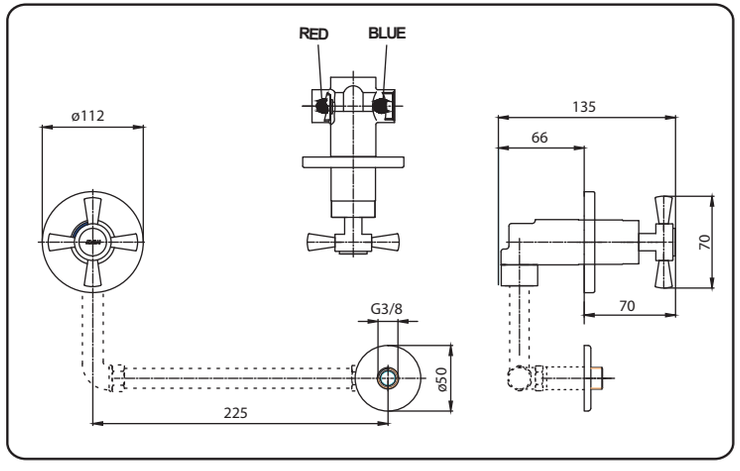
Use ECA intermediate stopcock with a filter in order to connect the hot water and cold water flexible pipes to the installation (Product Code: 102111066)

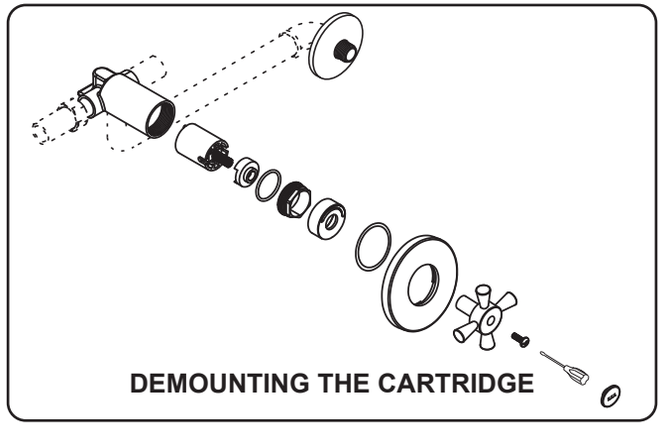
Clean the inside of the pipes by running an amount of water from the installation before connecting your battery to the installation.

After connecting your battery to the installation, open the valve and observe whether there is a leaking problem especially at the parts of connection points where you assembled. If there is a leaking problem at the connection points, make the proper assembly in order to make the connection leak proof. Besides, observe whether there is a water leaking problem from the top of the bench (between the hole where the assembly of the battery on the stone, marble and rustproofed sink was done and the part where the bottom of the battery is connected) to where the battery was assembled to the bottom of the bench. If there is any leaking from the top of the bench to the bottom of the bench, make the proper assembly in order to make the connection leak proof.

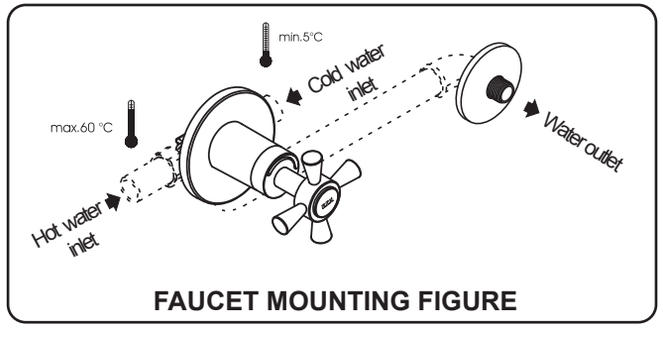
DO NOT USE YOUR BATTERY WITHOUT ITS LEAKING CHECK IS DONE

CLOSET FAUCET MOUNTING

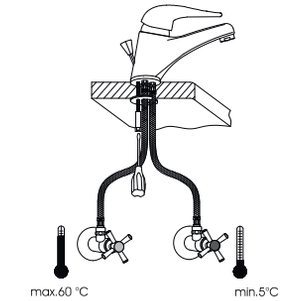




DEMOUNTING THE CARTRIDGE

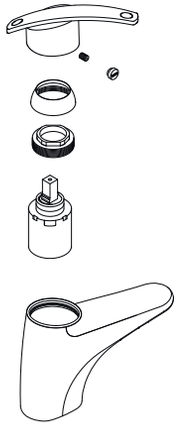


FAUCET MOUNTING FIGURE



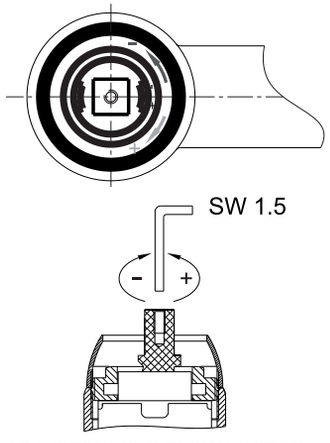
SINGLE BODY FAUCET MOUNTING

Flexible connection hoses should be attached in line with the RED/BLUE signing below the arm.
Do not ever use a wrench while mounting flexible connection hoses to the main body.

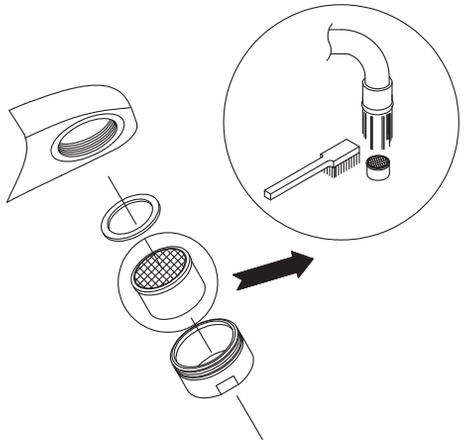


DEMOUNTING THE CARTRIDGE

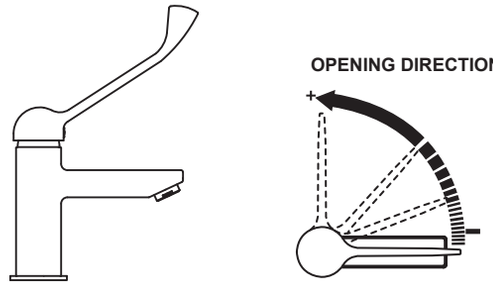
ADJUSTING THE TEMPERATURE CARTRIDGE



ADJUSTING THE FLOW LIMITOR CARTRIDGE

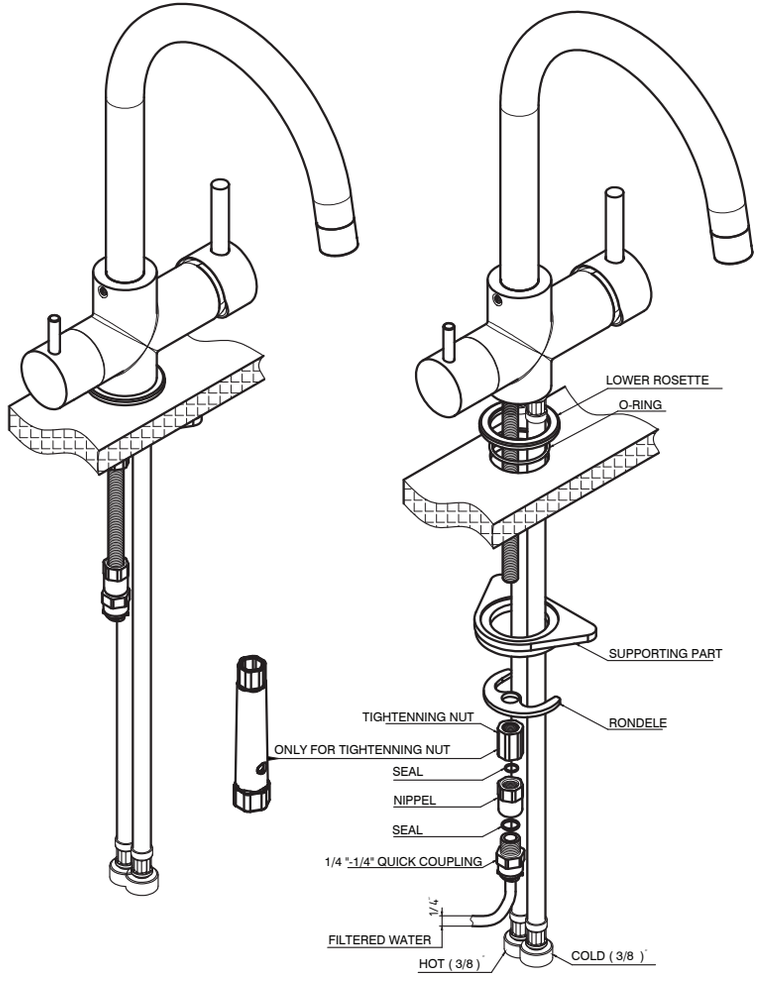


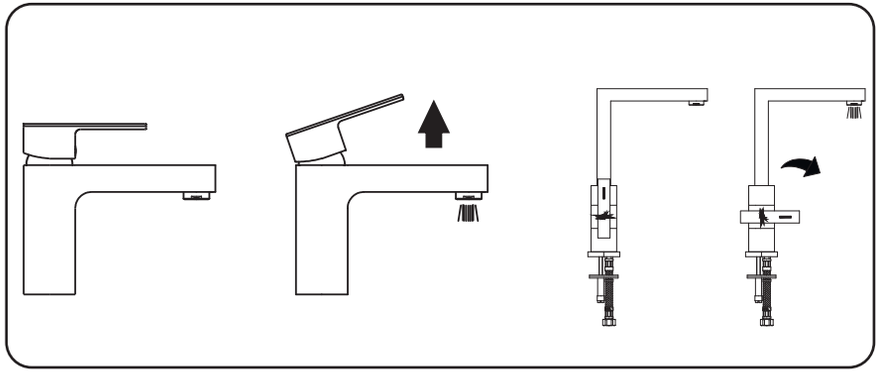
DEMOUNTING AND CLEANING THE AERATOR



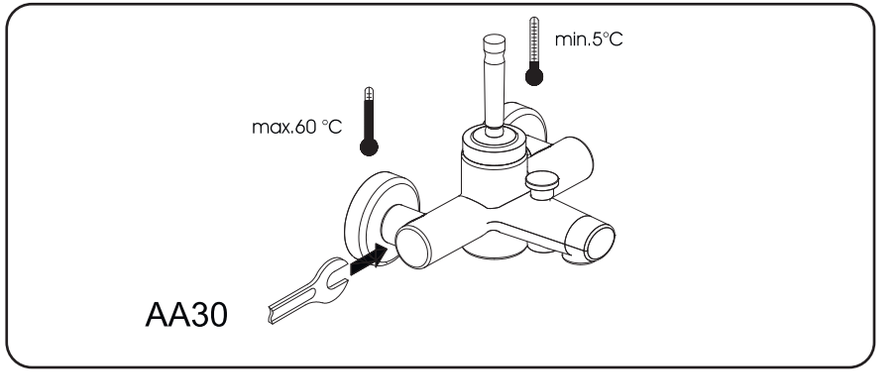
USING THE DOCTOR FAUCETS

ÇİFT AKIŞLI (DUAL FLOW) EVİYE BATARYASI
102118005

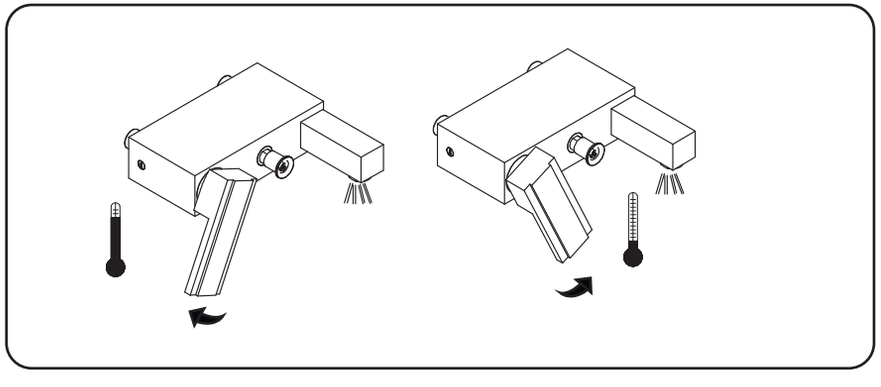




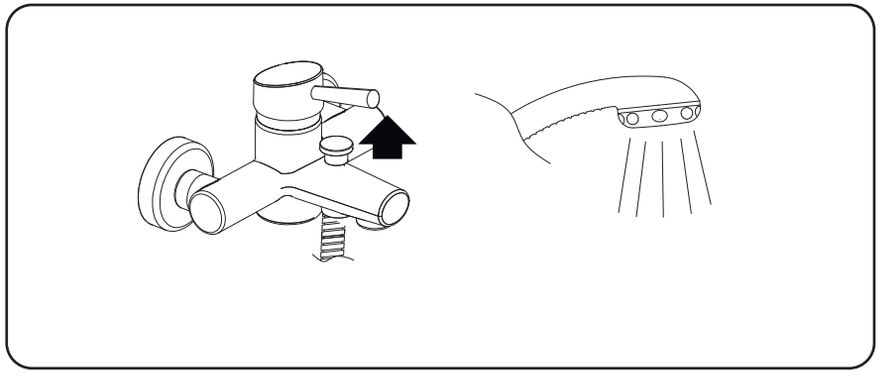
RUNNING THE FAUCET



INSTALLATION OF WALL MOUNTED FAUCET

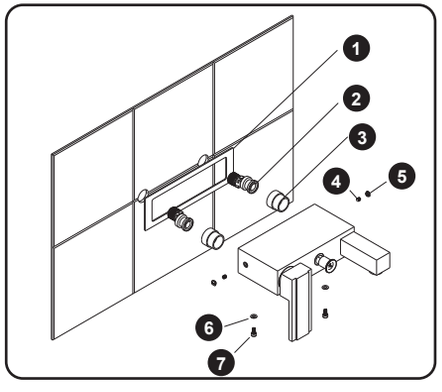


TEMPERATURE ADJUSTMENT



USING BATHROOM HAND SHOWER

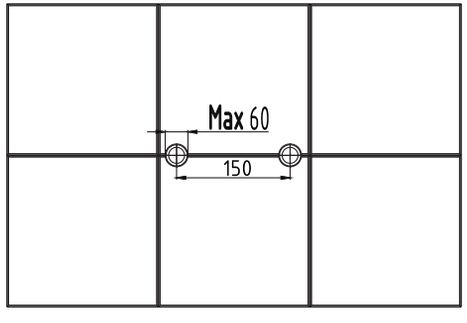
MOUNTING INSTRUCTION FOR ELEGANT BATH and SHOWER FAUCETS

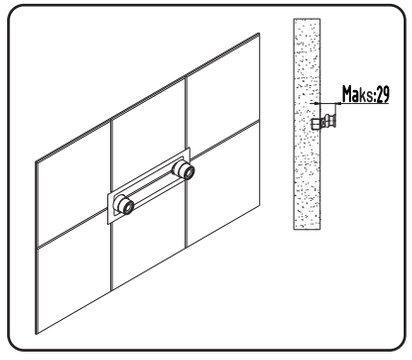


PARTS OF FAUCET

1. WALL ROSETTE
2. ECCENTRIC
3. TEMPLATE PART
4. STAY BOLT
5. COVER
6. NUT-WASHER
7. IMBUS SCREW

WALL INSTALLATION SHOULD BE PREPAREDIN THE STATED SIZES





• By wrapping teflon or flax around the threaded parts of no.2 ecc.

• Indent of eccentrics from the wall must be maximum 29mm. use the parts of no.3 template to control.

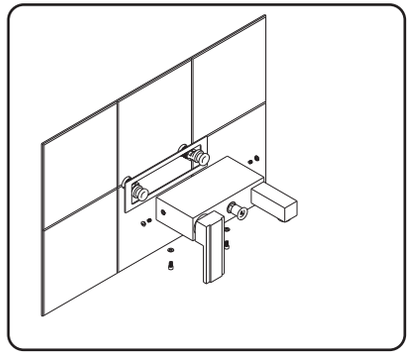
• Axis gap of the eccentrics must definitely be 150mm.

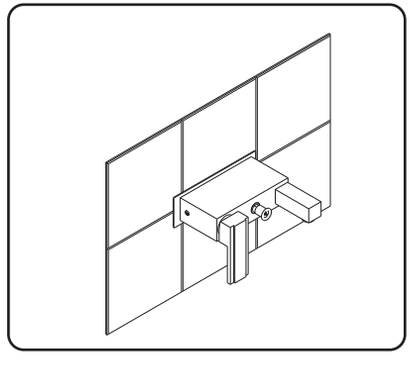
• Place the wall rosette over eccentrics.

• Gently attach the faucet body to the eccentrics.

• By centering wall rosette with faucet body, mark the circumference of rosette on the wall.

• By removing the adhesive sheet behind the rosette, affix it to the wall, over the points you marked before.





• Place the faucet body over the eccentrics and press finely.

• Attach the shim no.6 and finely screw the bolts no.7 to their spots.

• Finely screw the bolts no.4.

• Mount the covers no.5.

INFRARED-SENSOR PRODUCTS

Esteemed Customer, we kindly request you to read the entire of this manual carefully, before mounting the armature produced by us in our modern facilities to your installation. E.C.A, always offering you quality products, with this product presents you two significant approaches together:

- Hygiene: It has been designed to be used especially at locations open to public, such as hospitals, hotels, shopping malls etc. With its self-closing feature, you can use water without touching the faucet.

- Water Saving: Our firm, being sensitive to the environment and use of natural resources, reduces losses resulting from leaving the tap open, by means of its self-closing taps. Owing to the special aerator for flow-rate restrictions, water saving ranging from 50% to 85% is achieved.

Expected life determined for the armatures by the Ministry of Industry and Trade is 5 years, while the warranty period is 2 years. In terms of coating, chrome-coated metal parts are under our warranty for 5 years.

MOUNTING INSTRUCTIONS FOR VANITY WASHBASIN FAUCETS

• Make WARRANTY DEED sheet approved by the dealer from which you have purchased the product.

• Make sure that you have the faucet mounted by E.C.A. authorized service. Products, mounting of which have not been performed by the authorized service are BEYOND THE SCOPE OF WARRANTY.

• Before fastening the tap to the installation, run some water through the installation and clean the dirt within pipes, and shut the main water inlet valve down.

• Do not mount the auto-sensor tap in opposite of a mirror or another auto-sensor product.

• Tap operates maximum at 8 bars of pressure. If your mains pressure is higher, make sure that you attach an E.C.A. pressure-reducing valve on the inlet of the mains (1/2” Product code for installation: 602111004). Otherwise, solenoid valve may be damaged.

• Mount the faucet over the sink or washbasin.

• Finely tighten the nuts by attaching a seal and a nut-washer below the faucet.
• Make sure that water outlets on the wall are in a way to run cold water on the right side and hot water on the left side. Otherwise, cold-hot water adjustment operates in the opposite way (for models with mixed water inlet).

• Mount the rosette and interval tap parts with filter, given together with the product, to the wall installation, by wrapping a sealing band around the 1/2” threads.
• Attach check-valve adaptors on the outlet ends of interval taps.

• Fasten red-spiral end to the interval tap with filter attached to hot-water installation, and blue-spiral end to the interval tap with filter attached to cold-water installation.

• Turn cold and hot interval taps on.
• Mount the battery box to the wall (For battery-operated models).

• Pay attention not to let any water to spread over the plug socket and adaptor you are using, during usage or cleaning.

• Fasten the wire connector emerging from below the faucet, to the wire connector emerging from the battery box or the adaptor.

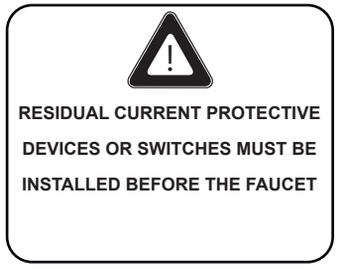
• Attach the battery to the battery housing or the adaptor to the plug socket.

• Faucet runs automatically and it makes the sensing distance adjustment automatically, and stops.

• You can have the Authorized Service Stuff make the adjustment of flow time after drawing your hand back (Fabrication setting is 1 second).

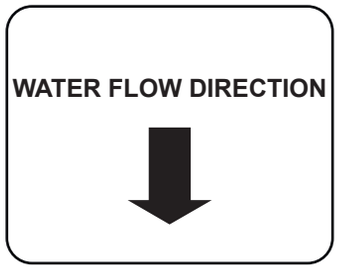
WARNING LABELS

After mounting the product, make sure that you affix the labels showing how to use it, somewhere visible close to the product.



A Residual Current Relay must be placed on the installation to which the electrical product is attached.

Remove the label after mounting the faucet.



Pay attention to the water inlet direction while mounting built-in products.

General Features of Washbasin Faucets

• 102108234 and 102108626 have mixed water inlets. Desired water temperature can be adjusted with the arm next to the faucet.
• Other washbasin faucets have a single water inlet.
• Battery-operated products work with Lithium Battery (6V DC).
• Power-supplied products work with an adaptor of 220 V AC - 12 V DC.
• Its locked aerator, which can be opened with a special wrench, is protected against stealing (for some models).
• Aerators are non-toxic, water saving and antiscale.
• Armature automatically makes sensing distance adjustment.
• Armature turns the water off, 1 second after its usage is ended (fabrication setting).
• You can have the Authorized Service Stuff make the flow time adjustment.

Technical Specifications

Maximum Water Temperature	: 70 °C
Maximum Ambient Temperature	: 60 °C
Operation Pressure Range	: 0.5 - 8 Bars
Maximum Operation Time	:120 Seconds
Sensing distance	: 3~20 cm
Low Battery Level (For battery-operated products)	: < 5.7 V (Red LED Blinks)
Battery-Dead Level (For battery-operated products)	: < 5.2 V (Red LED always on)
Battery Life (For battery-operated products)	: 2 years with 150-times daily usage

Auto-Sensor Built-In Washbasin Taps

• To make the tap run, a hand must be reached towards the sensing distance.
• Maximum operation time is 120 seconds.
• Sensing distance can be adjusted via remote control between 3 and 20 cm.
• The product works with 6-Volt Lithium batteries.
• The product rosette is made of stainless steel.
• It has single water or mixed water inlet.

Cartridge Type	: Opto-Electronic 2/2
Maximum Water Temperature	: 70 °C
Maximum Ambient Temperature	: 60 °C
Operation Pressure Range	: 0.5 - 8 Bars
Low Battery Level (For battery-operated products)	: < 5.7 V (Red LED blinks)
Battery-Dead Level (For battery-operated products)	: < 5.2 V (Red LED always on)

MOUNTING INSTRUCTION FOR CONCEALED PRODUCTS

• Make WARRANTY DEED sheet approved by the dealer from which you have purchased the product.
• Make sure that you have the tap mounted by E.C.A. authorized service. Products, mounting of which have not been performed by the authorized service are BEYOND THE SCOPE OF WARRANTY.
• Do not mount the auto-sensor tap in opposite of a mirror or another auto-sensor product.
• Make sure that you install an ECA filter on the inlet of the mains, in order to avoid easy clogging of the tap with dirt coming from the mains.
• Tap operates maximum at 8 bars of pressure. If your mains pressure is higher, make sure that you attach an E.C.A. pressure-reducing valve on the inlet of the mains. Otherwise, solenoid valve may be damaged.
• Before fastening the tap to the installation, run some water through the installation and clean the dirt within pipes, and shut the main water inlet valve down.
• Make holes on the wall, in sizes of the inner box.
• While mounting the box to the wall, pay attention to the water flow direction indicated on the box with an arrow.
• By making 4 holes on the wall, fasten the inner box by using a screw.
• Make water inlet to the tap through the fitting.
• Mount the outlet pipe (urinal models) given together with the product, to the lower fitting. Enable water inlet to the urinal from behind, by fastening bend, nipple and adaptor seal at the end of the pipe.
• Before tiling, place the polystyrene cover over the box, in order to avoid liquid inlet into the box.
• After tiling, remove the polystyrene cover over the box.
• Attach one of the cables emerging out of the electronic circuit to the solenoid valve, and the other one to the battery housing (For battery-operated models).
• Attach the cable emerging out of the electronic circuit to the cable emerging out of the solenoid valve, by paying attention to the indents (Electrical model).
• Enable 220 V electricity inlet to the adaptor, through an extension cable. There must be a Residual Current Relay on the electricity installation. Attach the ground line cable to the grounding part.
• Fasten the cover to the box by using screws.
• When battery or adaptor is fastened to the electronic circuit, the tap is available for running.
• Make the flow rate adjustment of tap via the screw on the main body.
• Mount the tap rosette over the cover and screw in from below.

General Features of Auto-Sensor Shower Taps

• Remaining within the sensing distance of the tap for at least 2 seconds is sufficient to make it run.
• Water flow ceases 3 seconds after you are out of its sensing distance, and it continues if you get within the sensing distance again in 3 seconds.
• Maximum operation time is 310 seconds.
• Sensing distance can be adjusted via remote control between 12 and 80 cm (Fabrication setting is 65 cm).
• Time of flow after you are out of sensing distance can be adjusted via remote control between 0.5 and 8 seconds (Fabrication setting is 3 seconds).
• The product works with 6-Volt Lithium batteries.
• The product rosette is made of stainless steel.
• It has single water or mixed water inlet.

Maximum Water Temperature	:70 °C
Maximum Ambient Temperature	:60 °C
Operation Pressure Range	:0.5 - 8 Bars
Low Battery Level (For battery-operated products)	: < 5.7 V (Red LED blinks)
Battery-Dead Level (For battery-operated products)	: < 5.2 V (Red LED always on)

General Features of Auto-Sensor Closet Taps

• Its operation is controlled manually.
• Reach your hand to the eye to make it run, and do the same to turn it off.
• Sensing distance can be adjusted via remote control between 4 and 16 cm (Fabrication setting is 12 cm)
• Maximum operation time is 300 seconds.
• Operation time can be adjusted via remote control between 10-300 seconds (fabrication setting is 120 seconds)
• The product works with 6-Volt Lithium batteries.
• The product rosette is made of chrome-coated brass.
• It has single water or mixed water inlet.

Maximum Water Temperature	:70 °C
Maximum Ambient Temperature	:60 °C
Operation Pressure Range	:0.5 - 8 Bars
Low Battery Level (For battery-operated products)	: < 5.7 V (Red LED blinks)
Battery-Dead Level (For battery-operated products)	: < 5.2 V (Red LED always on)

General Features of Urinal Taps

• Water flow time range can be adjusted via remote control between 0,5~15,5 seconds.
• Remaining within the sensing distance of the urinal for at least 8 seconds is required to activate the tap.
• Sensing distance can be adjusted via remote control between 12 and 80 cm.
• Battery-operated products work with Lithium Batteries (6V DC).
• Power-supplied products work with an adaptor of 220 V AC - 12 V DC.
• Battery life is approximately 2 years, in case of 150-time daily usage.
• It operates automatically once in every 24 hours and fills the flush.
• Electrical model must be fastened to the Residual Current Relayed installation.
• You can have the Authorized Service Stuff make flow time and distance adjustments.

Maximum Water Temperature	:70 °C
Maximum Ambient Temperature	:60 °C
Operation Pressure Range	:0.5 - 8 Bars
Maximum Operation Time	:15,5 Seconds
Sensing distance	:12~80 cm
Low Battery Level (For battery-operated products)	:< 5.7 V (Red LED blinks)
Battery-Dead Level (For battery-operated products)	:< 5.2 V (Red LED always on)
Pil Ömrü (Pilli ürünlerde)	:Approximately 2 years, in case of 150-time daily usage.

MOUNTING INSTRUCTIONS FOR EXPOSED MOUNTED URINALS

• Make WARRANTY DEED sheet approved by the dealer from which you have purchased the product.

• Make sure that you have the faucet mounted by E.C.A. authorized service. Products, mounting of which have not been performed by the authorized service are BEYOND THE SCOPE OF WARRANTY.

• Do not mount the auto-sensor tap in opposite of a mirror or another auto-sensor product.

• Make sure that you install an ECA filter on the inlet of the mains, in order to avoid easy clogging of the tap with dirt coming from the mains.

• Tap operates maximum at 8 bars of pressure. If your mains pressure is higher, make sure that you attach an E.C.A. pressure-reducing valve on the inlet of the mains. Otherwise, solenoid valve may be damaged.

• Before fastening the tap to the installation, run some water through the installation and clean the dirt within pipes, and shut the main water inlet valve down.

• Wrap teflon band or stuffing around the threads on the body of the tap, and mount it to the installation.

• Cut the outlet pipe in a way to make it fit between the urinal and the body.

• Place the rosette over the outlet pipe and mount it over the urinal. Place the washer inside the nut from above, and mount the pipe to the body.

• Attach the cable emerging from the electronic circuit to the battery housing.

• The tap is ready to run when the battery is attached to the electronic circuit.

• Place the upper cover over the body and tighten its screw.

• Remove the label in front of the tap. Do not stand across the tap while removing the label.

• The tap is ready to run when the label is removed.

EC Declaration of Conformity

Hereby, we declare that the following products are in conformity with the requirements of EC Directives.

Auto-Sensor Washbasin Faucet-Battery Operated
Auto-Sensor Washbasin Faucet-Electrical
Auto-Sensor Washbasin Tap-Electrical
Auto-Sensor Washbasin Tap-Battery Operated
Auto-Sensor Shower Tap-Battery Operated
Auto-Sensor Urinal Tap- Electrical
Auto-Sensor Urinal Tap-Battery Operated
Auto-Sensor Closet Tap-Battery Operated

Directive No: 2006/95/EC
Directive Name: LVD-Low Voltage Directive

The abovementioned products were designed and manufactured in accordance with the following standards:
EN 60730-1 Automatic control regulations – Electrical – For household and similar use – General Rules
EN 60730-2-8 Automatic control regulations – Electrical - For household and similar use – Special rules, including mechanical requirements for electrically operated water valves
Directive No: 2004/108/EC
Directive Name: EMC – Electromagnetic Conformity

Valfsel Armatür Sanayi A.Ş.
O.S.B. 1.Kısım Keçiliköy OSB Mah. Atatürk Bulvari No:12 45030 Yunusemre / MANİSA -TURKEY
17.06.2009

THERMOSTATIC FAUCETS

Esteemed Customer, we kindly request you to read the entire of this manual carefully, before mounting the armature produced by us in our modern facilities to your installation. E.C.A, always offering you quality products, with this product presents you three significant approaches together:

-Washing Comfort: While bathing, in particular on cold winter days, opening of washbasin or sink faucet changes the temperature of your washing water and sudden temperature falls cause you to get startled. E.C.A Thermostatic Faucet solves this problem and contributes to increasing your life comfort. Occurring temperature changes remain at levels that cannot be felt by the body, thanks to the perfect inner mechanism of thermostatic faucet.

-Anti-boiling Security: Sudden rises in the temperature of the water emerging from the faucet, due to heat source, mains pressure and so forth, may cause not only loss of washing comfort, but also a lot more dangerous event: To be boiled! Because, being exposed to water with a temperature of 70°C for 1 second, and being exposed to water with a temperature of 60°C for 7 seconds can cause severe burns on the skin. E.C.A Thermostatic Faucet, without being affected by the abovementioned outer factors, keeps the water temperature at the degree you adjusted and fixed within a certain tolerance, and also eliminates random temperature rises with its red security button of 38°C. In this way, it prevents the children, elder and handicapped from raising the water temperature without noticing and getting boiled because of hot water. You can easily switch to an operation zone of higher temperature by pressing the red button, upon request.

-Water Saving: E.C.A Thermostatic faucet allows you to use water efficiently. You will be consuming less water, as you will not be striving for minutes to adjust the water temperature every time you turn on the water. Our firm, being sensitive to the environment and use of natural resources, makes a great contribution to water saving, with the Eco-Button placed on E.C.A Thermostatic faucet. Green button on the turn on-off flywheel prevents the water from unwanted running. If you want more running of water, for purposes of filling the bathtub etc, switching the Eco-Button to the second degree will be sufficient.

Expected life determined for the armatures by the Ministry of Industry and Trade is 5 years, while the warranty period is 2 years. In terms of coating, chrome-coated metal parts are under our warranty for 5 years.

Technical Information

Minimum Operation Pressure	:0.5 Bar
Maximum Operation Pressure	:10 Bar
Recommended Operation Pressure Range	:1 - 5 Bar
Maximum Water Inlet Temperature	:80 °C
Recommended Water Inlet Temperature	:60 °C

SELF-CLOSING (WITH TIMER) PRODUCTS

Esteemed Customer, we kindly request you to read the entire of this manual carefully, before mounting the armature produced by us in our modern facilities to your installation. E.C.A, always offering you quality products, with this product presents you two significant approaches together:

- Hygiene: It has been designed to be used especially at locations open to public, such as hospitals, hotels, shopping malls etc. With its self-closing feature, you do not have to touch the tap to close it after use.
- Water Saving: Our firm, being sensitive to the environment and use of natural resources, reduces losses resulting from leaving the tap open, by means of its self-closing taps. Owing to the special aerator used for washbasin faucet, water saving of up to 50% is achieved when compared to normal faucets.
Expected life determined for the armatures by the Ministry of Industry and Trade is 5 years, while the warranty period is 2 years. In terms of coating, chrome-coated metal parts are under our warranty for 5 years.

General Features

Tap has a single water inlet. Pressing on top of the tap is sufficient to make it run. Its locked aerator, which can be opened with a special wrench, is protected against stealing. Water flowing time can be adjusted between 5 and 60 seconds. These taps do not require any maintenance. Its special aerator flowing maximum 9 liters of water per minute is water-saving and antiscale. Even if the mains pressure changes, amount of flowing water remains fixed.

Technical Information

Minimum Operation Pressure	: 1Bar
Maximum Operation Pressure	: 10 Bar
Recommended Operation Pressure Range	: 1 - 5 Bar
Minimum Water Inlet Temperature	: 5 °C
Maximum Water Inlet Temperature	: 60 °C
Maximum Flow Rate	: 5 l/dak (Lavabo muslukları)
Duration of Flow	: ~ 60 Seconds (P=2 Bar)
	: ~ 37 Seconds (P=3 Bar)
	: ~ 31 Seconds (P=4 Bar)

Adjusting the Time of Water Flow:

• Loosen flywheel screw in the direction of H, with the allen wrench no.5.

• Demount the flywheel.

• Loosen the screw over the nut in the direction of C, with the allen wrench no.5.

• Adjust the time of flow you desire by reducing the time of flow by turning the nut in the direction of E, and by increasing the time of flow by turning the nut in the direction of F.

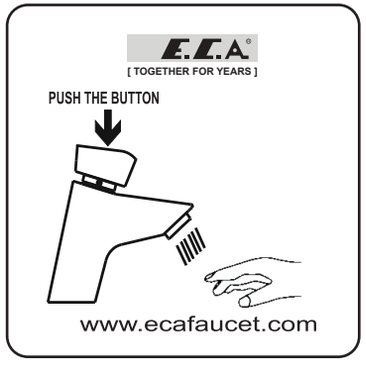
• Tighten and fasten the screw over the nut in the direction of D, with the allen wrench no.5.

• Mount the flywheel back.

• Tighten the flywheel screw in the direction of G, with the allen wrench no.5.

WARNING LABELS

After mounting the product, make sure that you affix the labels showing how to use it, somewhere visible close to the product.



MOUNTING INSTRUCTION (Concealed Urinal / Shower Tap)

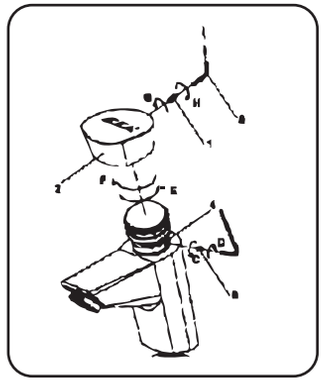
• Make WARRANTY DEED sheet approved by the dealer from which you have purchased the product.
• Make sure that you have your tap mounted by E.C.A. authorized service.
• Before fastening the tap to the installation, run some water through the installation and clean the dirt within pipes, and shut the main water inlet valve down.
• In order to mount the tap within the wall, create housing on the wall in sizes indicated on the mounting figure.
• The arrow over the tap body shows the passage direction of water. Perform mounting by paying attention to that.
• Insert water through the fitting over the tap.
• Make connection to the pipe leading to urinal or shower head, by mounting the pipe, bend, nipple and seal to the fitting below the tap.
• At the factory, tap has been adjusted to operate at 3 bars of pressure for 5 seconds.
• If the mains pressure is higher than the pressure you adjusted, time of flow is reduced; if the mains pressure is lower than the pressure you adjusted, time of flow is prolonged.
• Make sure that you affix the label given together with the product, displaying how to use the product, on the wall behind the product or somewhere visible.

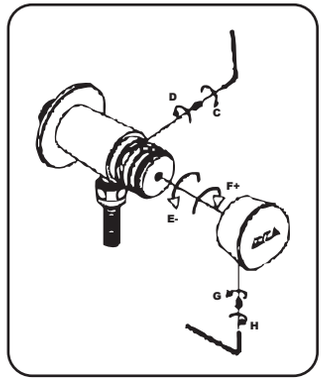
ASSEMBLY INSTRUCTIONS (LAVATORY BATTERY)

• Have the WARRANTY CERTIFICATE page certified to the branch where you purchased the product.
• Have your battery assembled definitely to an E.C.A authorized service.
• Run an amount of water from the installation before connecting the battery to the installation so as to clean the dirt inside of it and turn off the main water inlet valve.
• Assemble the battery on the sink or the basin.
• Tighten the nut well by putting a gasket and a washer.
• We suggest you to use an intermediate stopcock having E.C.A. filter in order to connect the product to the installation.
• Connect the G1/2 side of the spiral given with the product to the bottom of the battery, and G3/8 side to the intermediate stopcock.
• When you open the intermediate stopcock after connecting the spiral, the battery works and stops automatically.
• The battery is adjusted at the factory to work for 10 sec. at 3 bar pressures.
• Flow time decreases if the network pressure is higher than the pressure you made your adjustments; flow time increases if the network pressure is lower than the pressure you made your adjustments.
• Stick the sticker showing the usage of the product and given with the product to the wall on the back of the product or to a visible place.

MOUNTING INSTRUCTION (Concealed Urinal / Shower Tap)

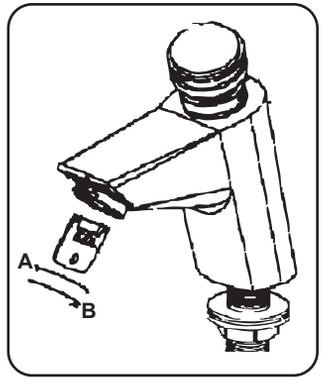
• Make WARRANTY DEED sheet approved by the dealer from which you have purchased the product.
• Make sure that you have your tap mounted by E.C.A. authorized service.
• Before fastening the tap to the installation, run some water through the installation and clean the dirt within pipes, and shut the main water inlet valve down.
• In order to mount the tap within the wall, create housing on the wall in sizes indicated on the mounting figure.
• The arrow over the tap body shows the passage direction of water. Perform mounting by paying attention to that.
• Insert water through the fitting over the tap.
• Make connection to the pipe leading to urinal or shower head, by mounting the pipe, bend, nipple and seal to the fitting below the tap.
• At the factory, tap has been adjusted to operate at 3 bars of pressure for 5 seconds.
• If the mains pressure is higher than the pressure you adjusted, time of flow is reduced; if the mains pressure is lower than the pressure you adjusted, time of flow is prolonged.
• Make sure that you affix the label given together with the product, displaying how to use the product, on the wall behind the product or somewhere visible.





MOUNTING INSTRUCTION (Shower Tap Surface Mounted)

• Make WARRANTY DEED sheet approved by the dealer from which you have purchased the product.
• Make sure that you have your tap mounted by E.C.A. authorized service.
• Before fastening the tap to the installation, run some water through the installation and clean the dirt within pipes, and shut the main water inlet valve down.
• Install the tap onto the sink or basin.
• Fix the rubber gasket and washer under the tap and tighten the nut properly.
• For fixing the product to the it is recommendedus of ECA interval stop tap with filter.
• Connect ½”end of the flexible hose to the tap tail and 3/8” end to the interval stop tap.
• The faucet is factory adjusted to operate 20 seconds at 3 bars pressure.
• In case water mains pressure is greater from the factory adjusted operation pressure, the tap flow time will be shorter and vice versa, in case water mains pressure is lower than the factory adjusted tap operation pressure the tap flow time will be longer.
• Attach the label provided indicating how to use the tap onto the wall behind the product or in any visible place.



OUR AWARD-WINNING PRODUCTS...

In the category of building materials, E.C.A. Electra sink faucet got "A' Design Platinum Award" the biggest prize in competition system. It has the feature of being the first digital faucet meeting with Turkish consumers and enriches interior designs with its innovative style and minimalist appearance.

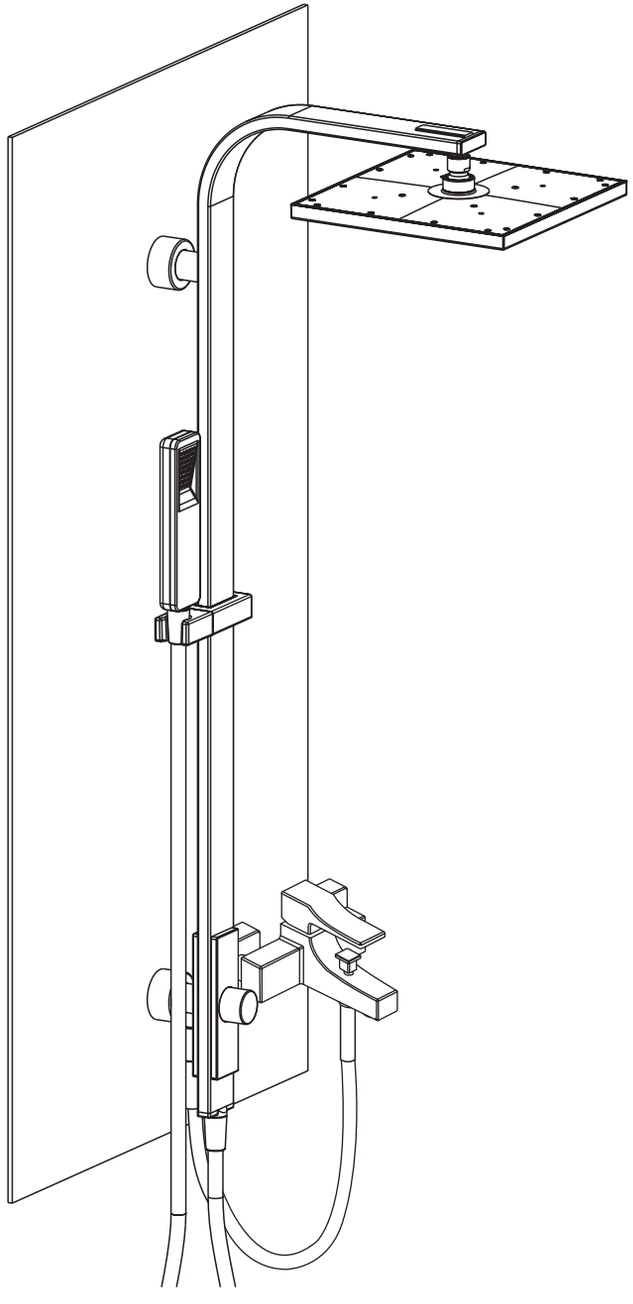
E.C.A. Amphora, bringing natural water flow and modern bathtubs together, makes us experience traces of the past today with its "A' Design silver prize."
bathtub and sink faucets of ELECTRA series also got "A' Design Silver Award" in the category of building materials

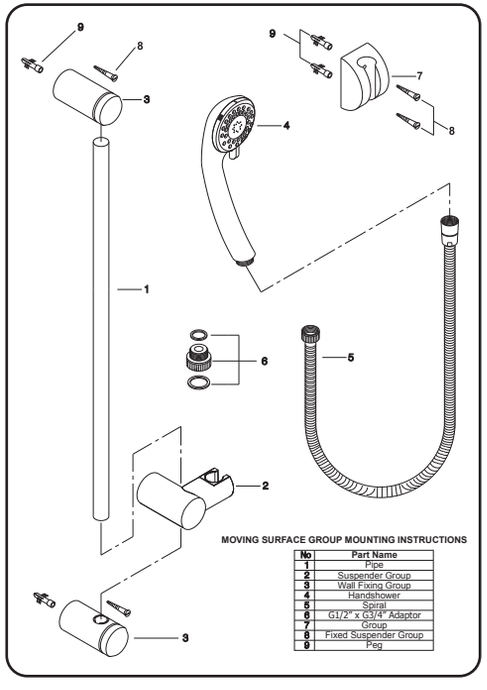
E.C.A. Electra series, having Design Turkey 2012 "Good Design Award", make difference in armature sector by bringing digital technology and water together for the first time in Turkey. ELECTRA series, the first digital faucets meeting with Turkish consumers, enriches interior designs with its innovative style and minimalist appearance.

E.C.A. Luna sink faucet, having Plus X Award in design category, is defined as user-friendly with it ergonomic body. With its timeless form, it has a feature reflecting the concepts of "continuity" and "integrity." The armature has an elegant, smooth and faultlessly integrated appearance with fine details designed meticulously.

"E.C.A. Ecotechnological Packaging," winning bronze prize in the category of "graphic design" in "Crescents and tars for Packaging Competition" held in cooperation with Turkish Standards Institute and Packaging Industrialists Association, puts emphasis on respect for nature, the principles of sustainability of natural resources and the importance of ecological balance.

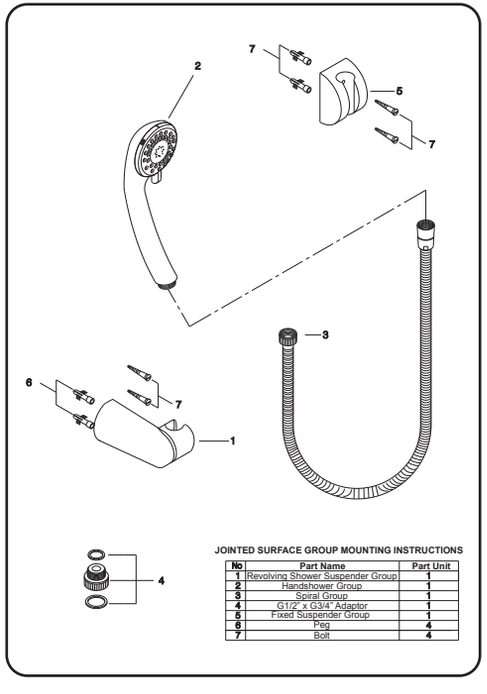
E.C.A, the world's leading brand of building sector, got an award with its Primemix armature on International Design Contest M Technology Award 2009 held by IF Design in Verona, Italy. E.C.A. Primemix armature got award in the category of "Elements and Systems."





MOVING SURFACE GROUP MOUNTING INSTRUCTIONS

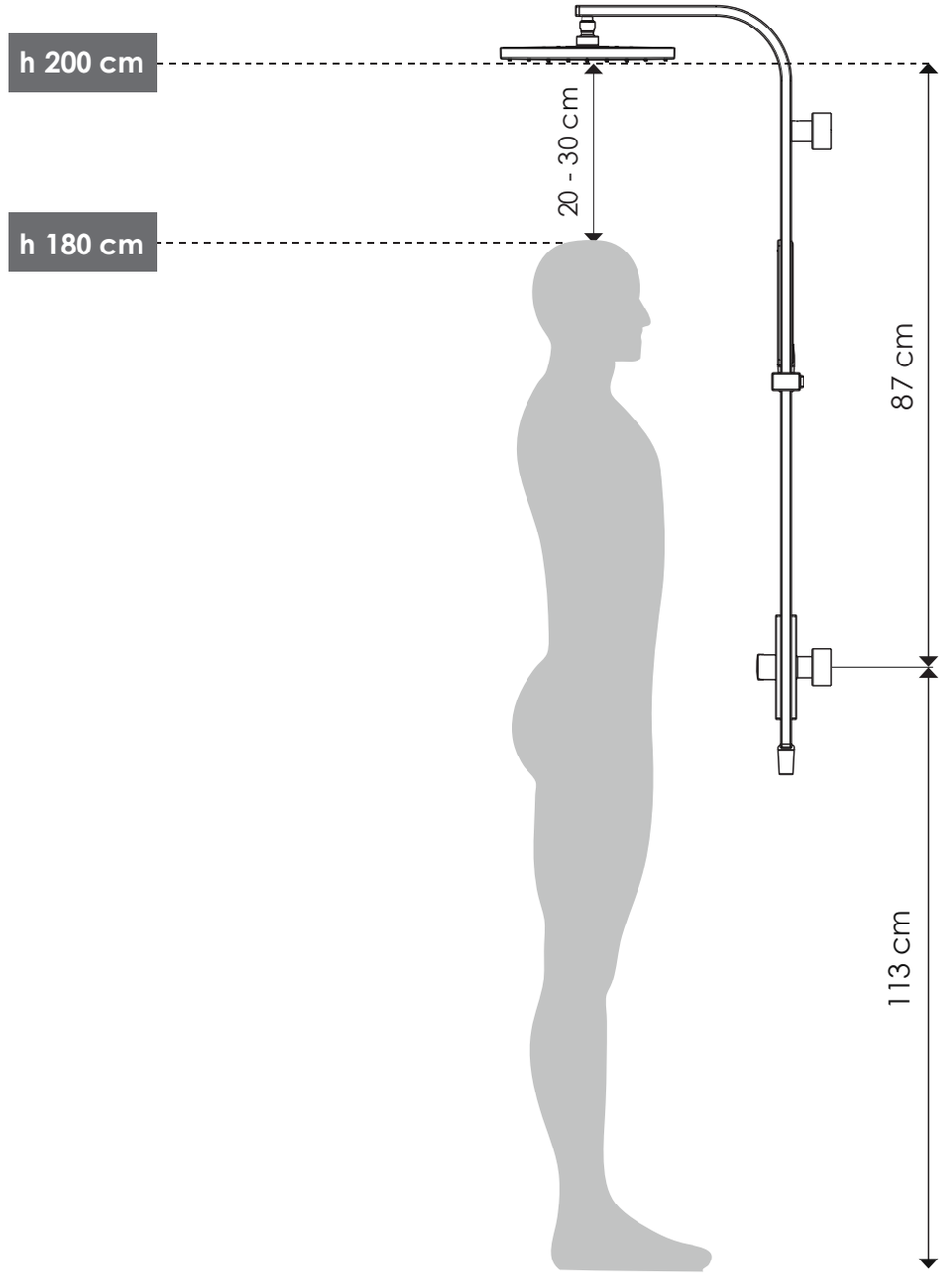
No	Part Name
1	Pipe
2	Suspender Group
3	Wall Fixing Group
4	Handshower
5	Spiral
6	G1/2" x G3/4" Adaptor
7	Group
8	Fixed Suspender Group
9	Peg

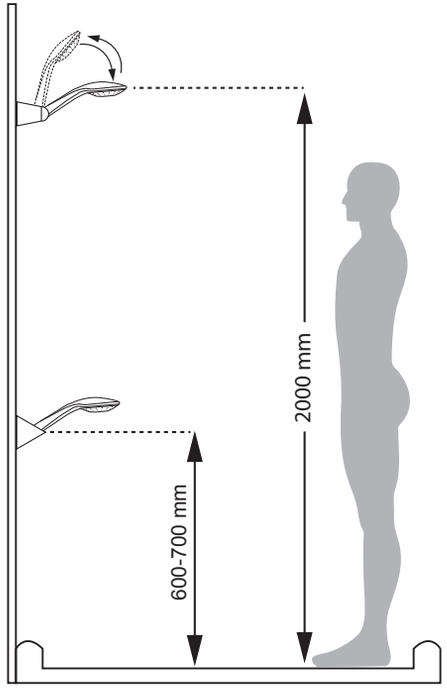


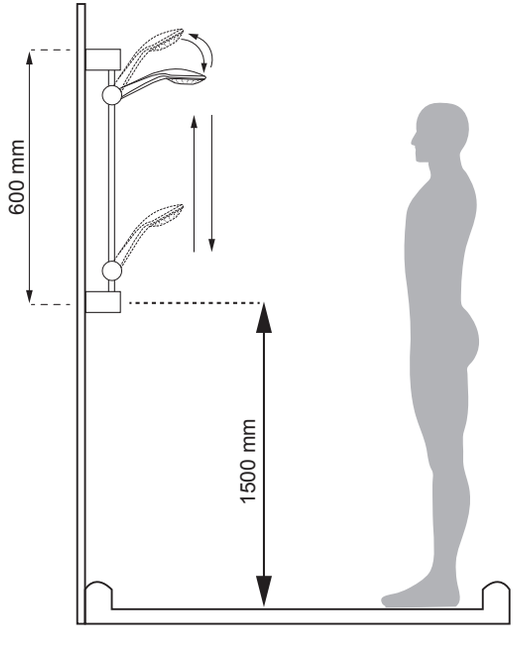
JOINTED SURFACE GROUP MOUNTING INSTRUCTIONS

No	Part Name	Part Unit
1	Revolving Shower Suspender Group	1
2	Handshower Group	1
3	Spiral Group	1
4	G1/2" x G3/4" Adaptor	1
5	Fixed Suspender Group	1
6	Peg	4
7	Bolt	4

SUGGESTED MOUNTING MEASUREMENTS







MOUNTING INSTRUCTIONS FOR 102158001 and 102158002

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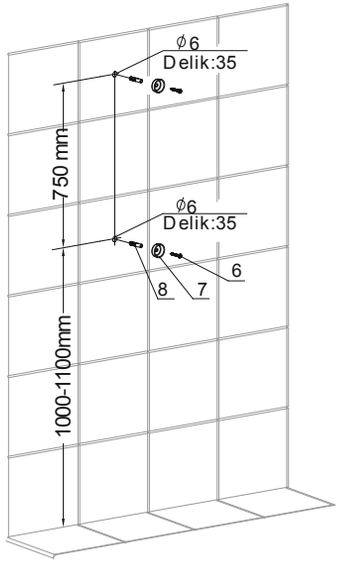

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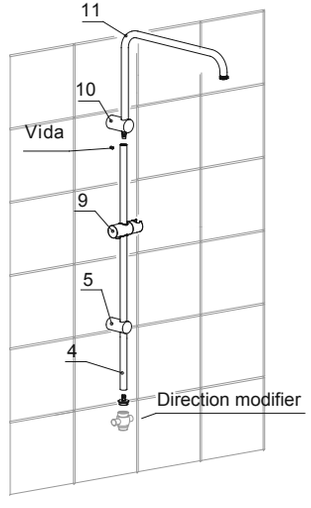

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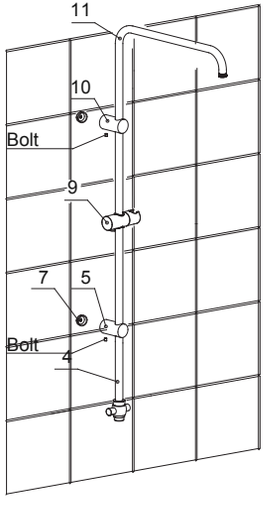

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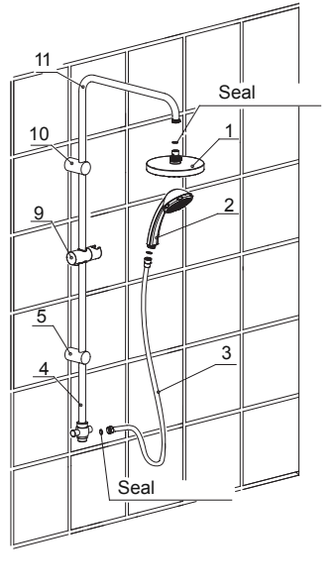
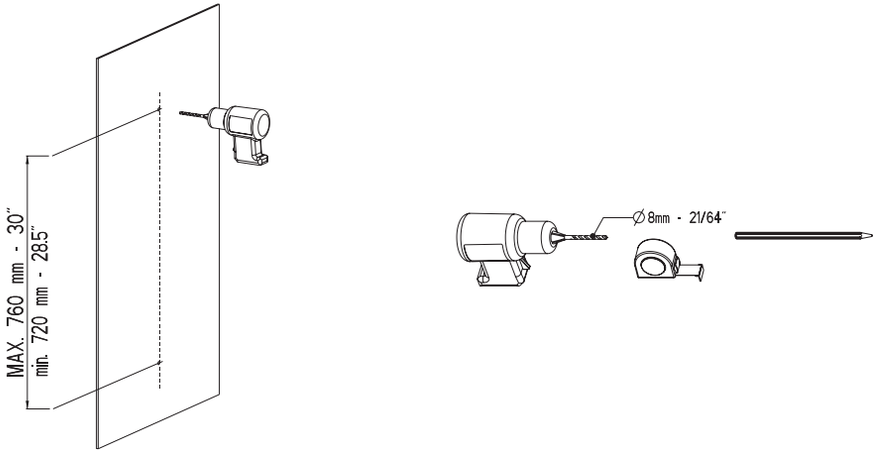


MOUNTING INSTRUCTIONS FOR 102158005 and 102158006

1



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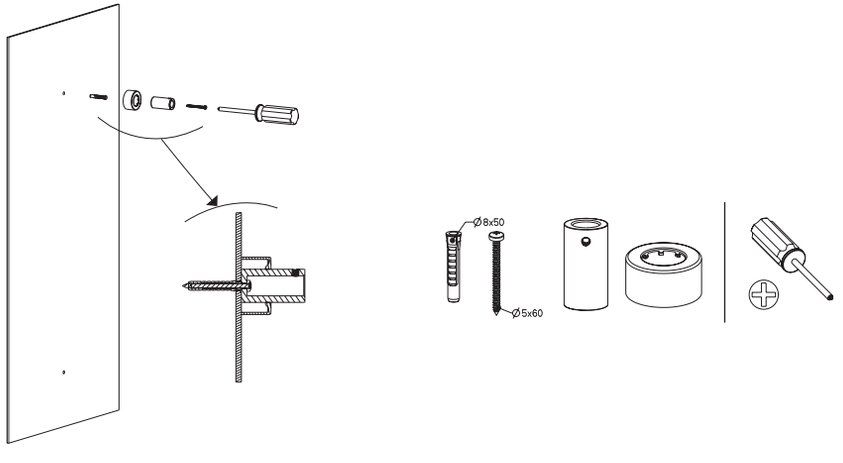

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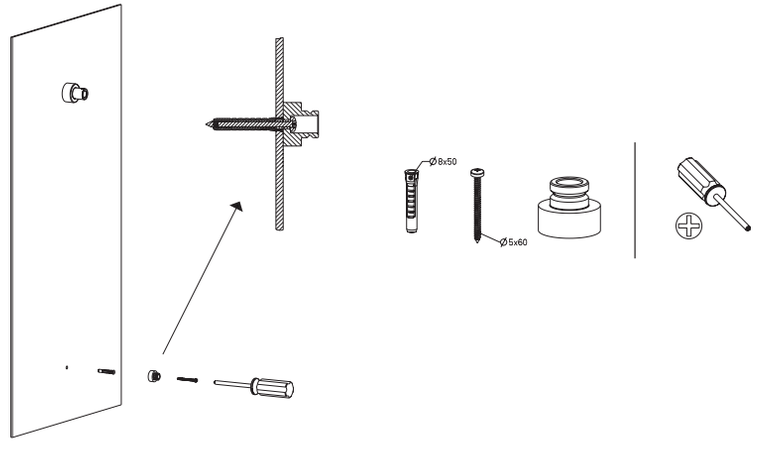

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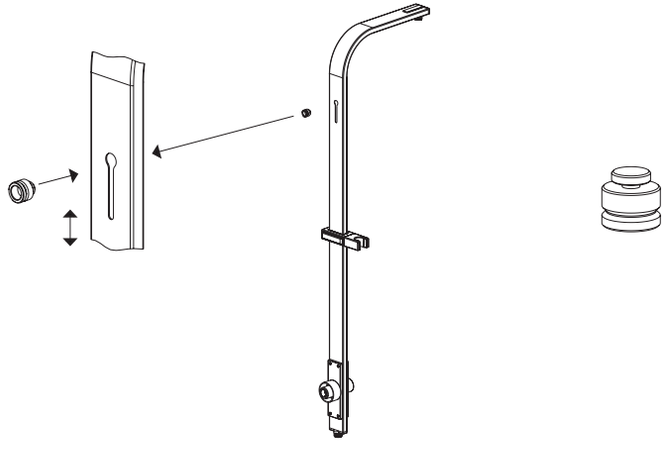

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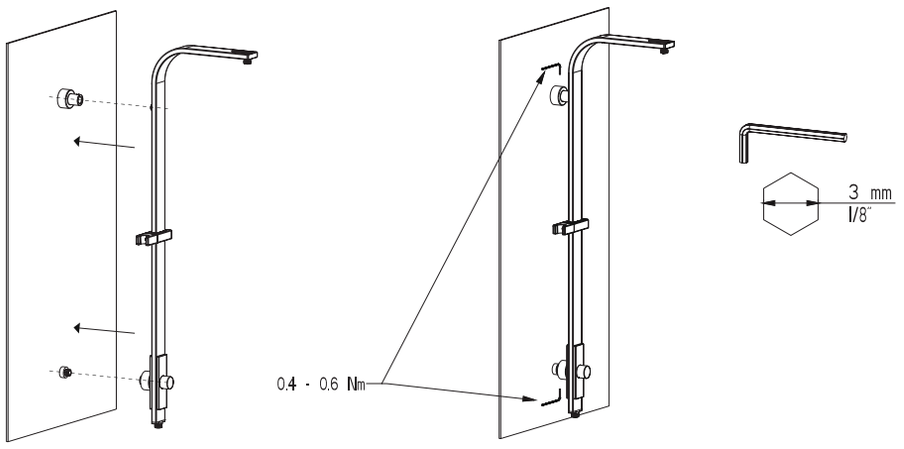

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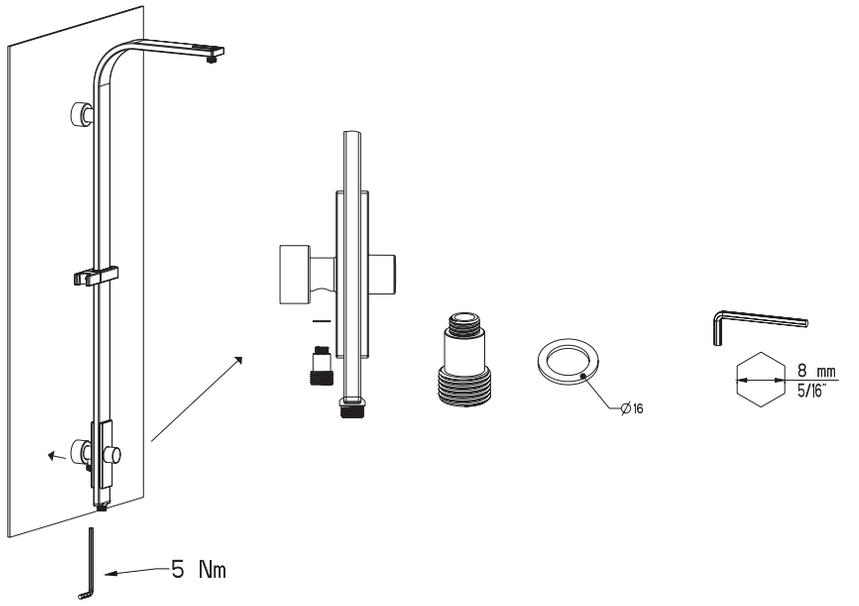

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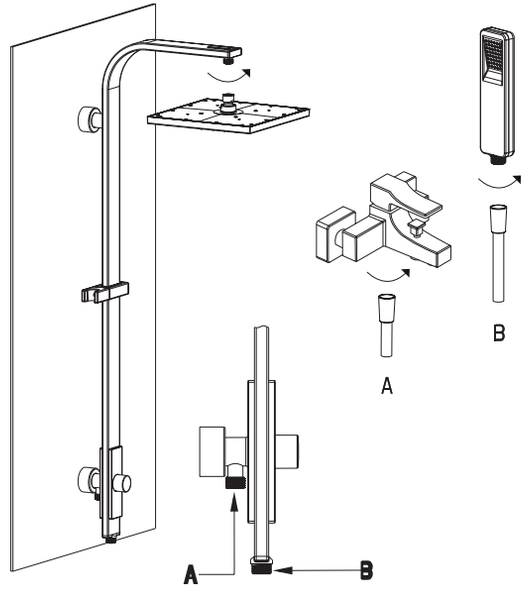

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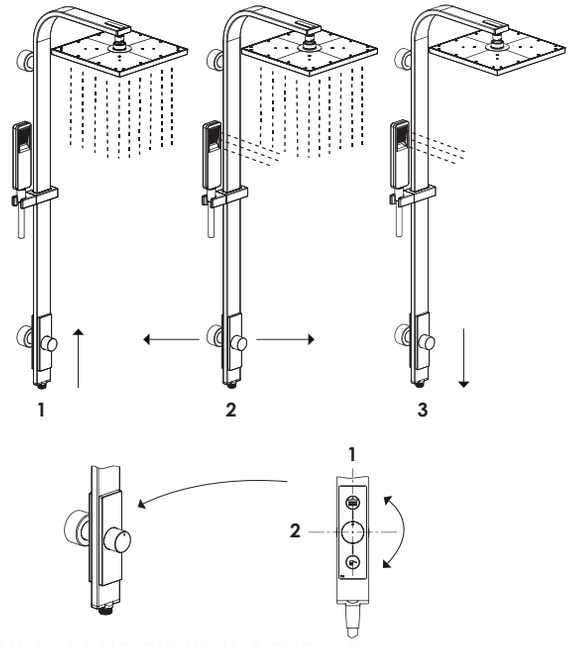
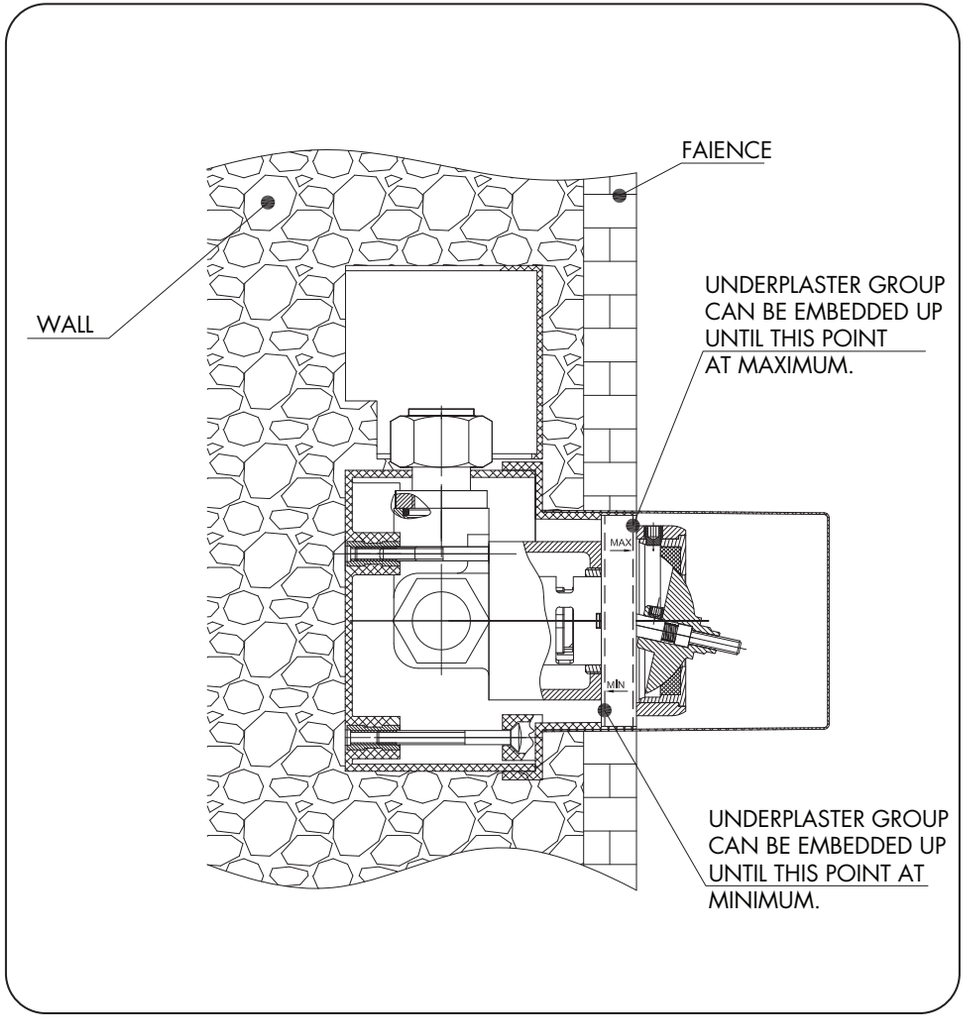
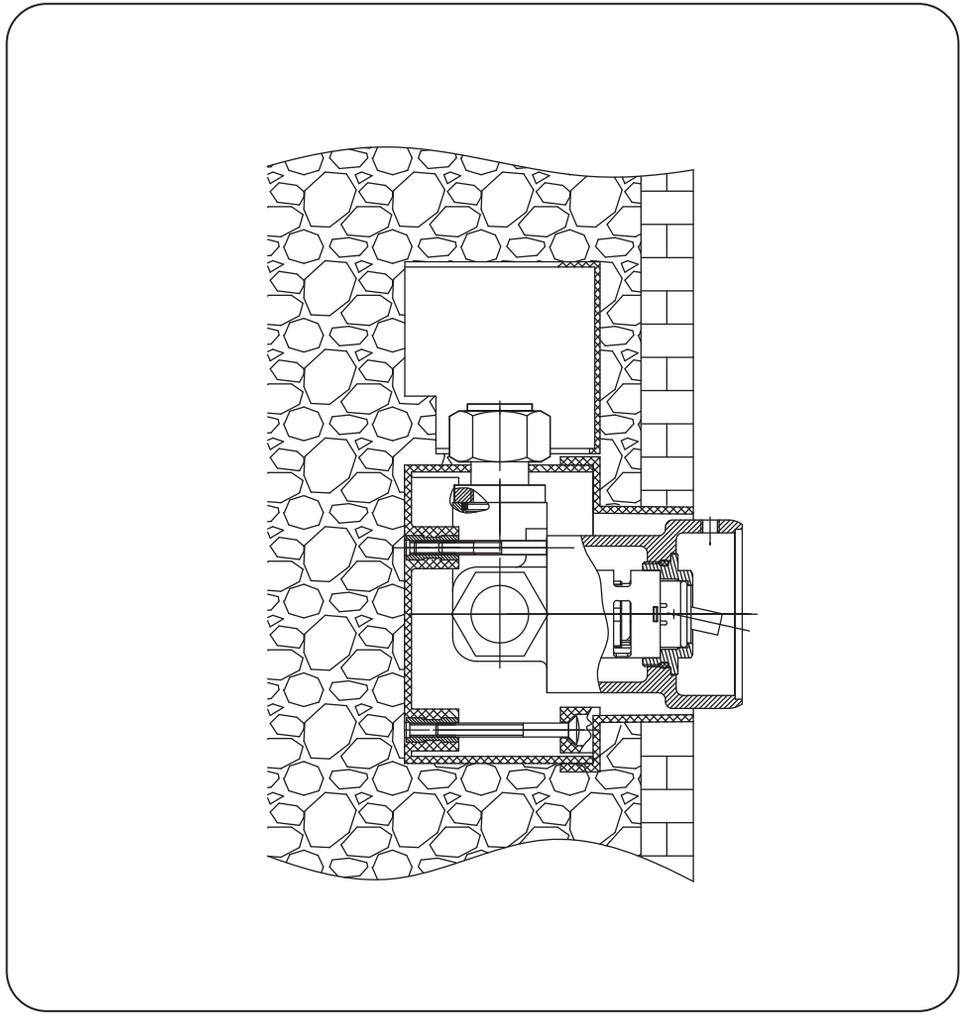


THE USE OF DIRECTIONAL MODIFIER. 3

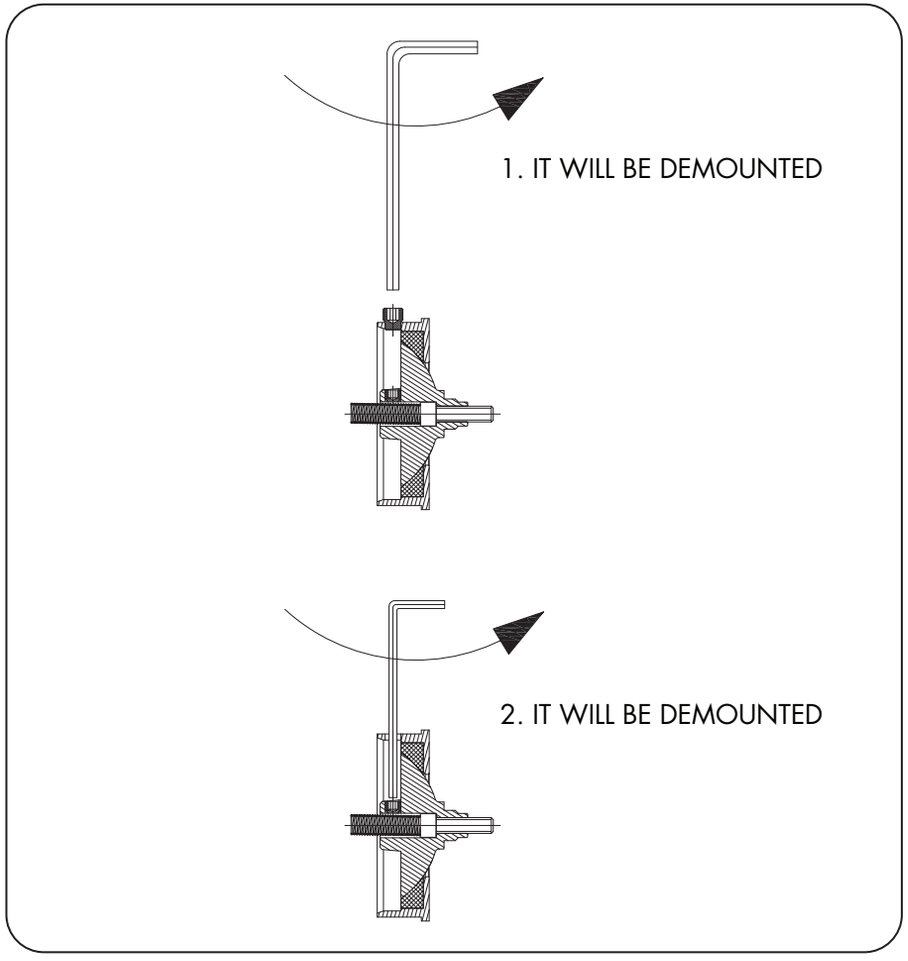
MOUNTING INSTRUCTION FOR NEVA/NOVITA EMBEDDED SINK FAUCET



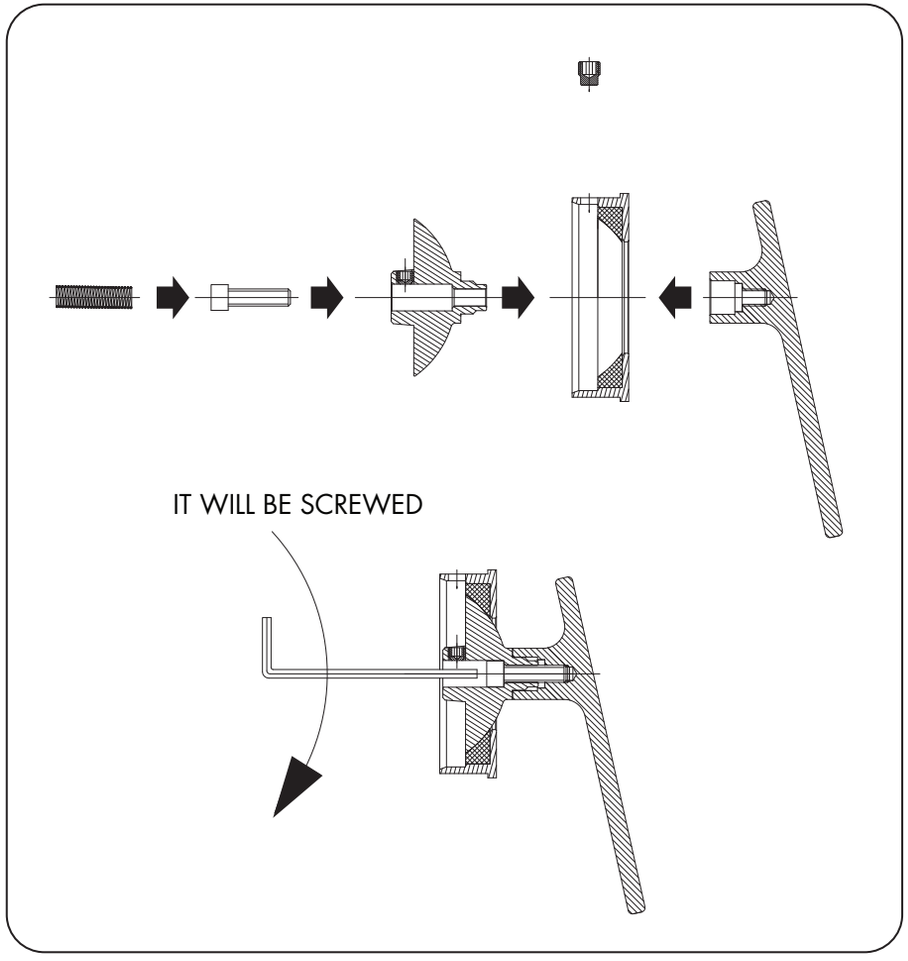
Underplaster current situation



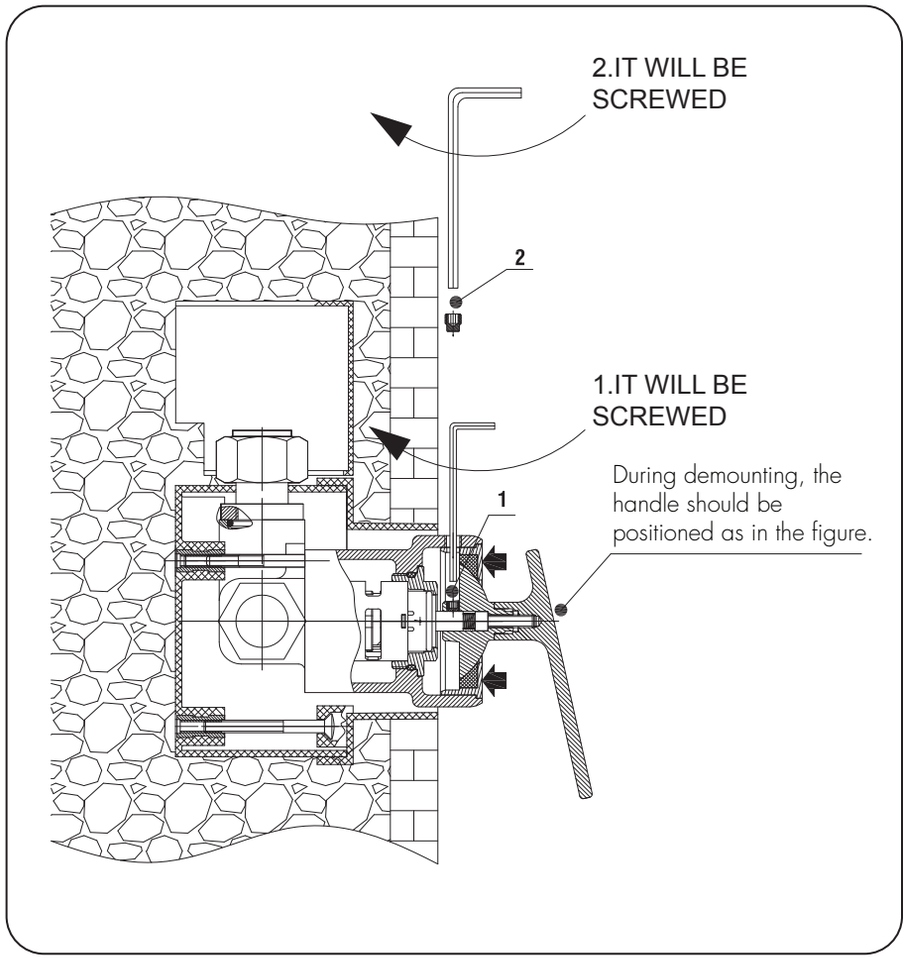
Components required for handle mounting are demounted from the group.



Components required for handle mounting.

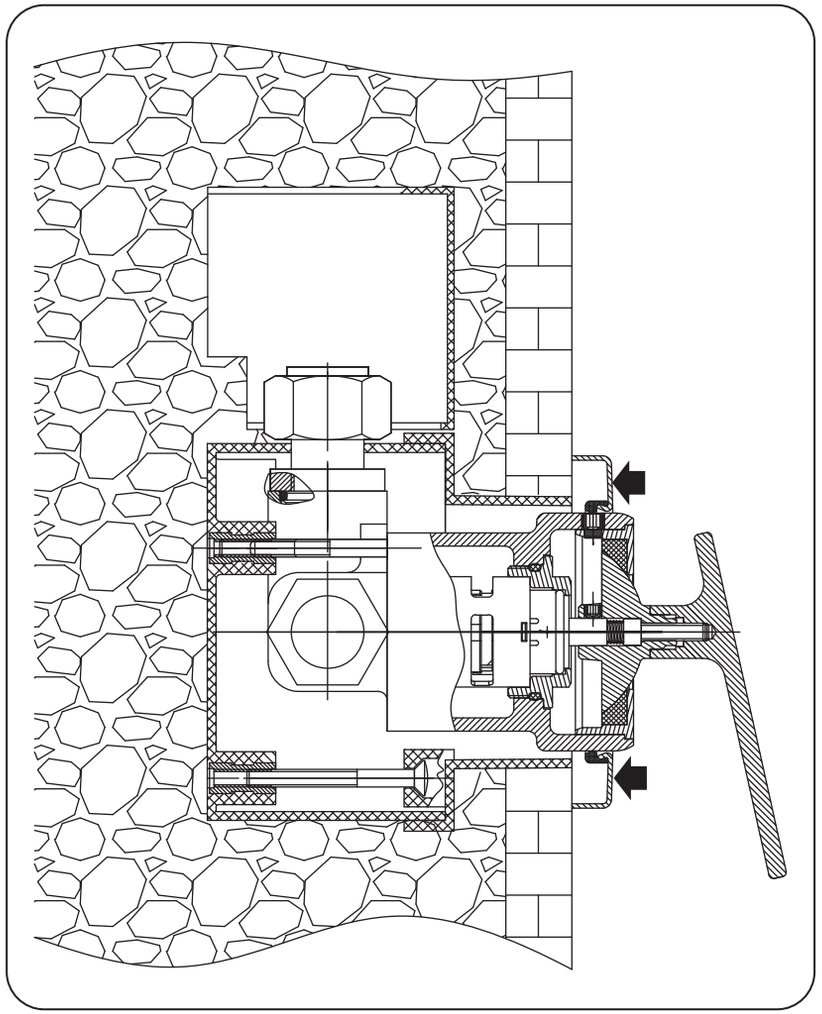


Handle and other components are screwed with a bolt.

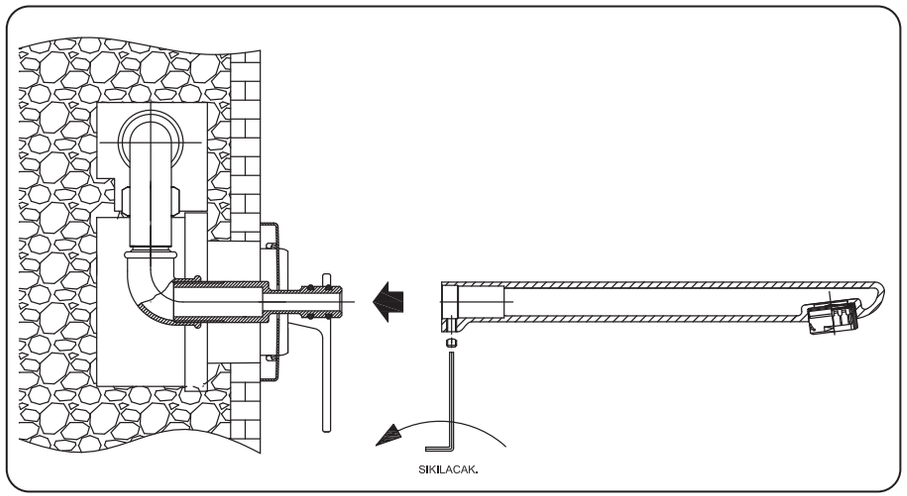


• Components are mounted in the body by being pushed from the spots shown with arrows and pushing process is continued and bow and underarm component are touched upon plastic bearing.

• Then handle mounting is completed by screwing with stay bolts no.1 and no.2. (Do not apply force during mounting.)



For rosette mounting, the handle is passed through the big diameter of rosette in a manner that it is not scratched and moved towards faience.

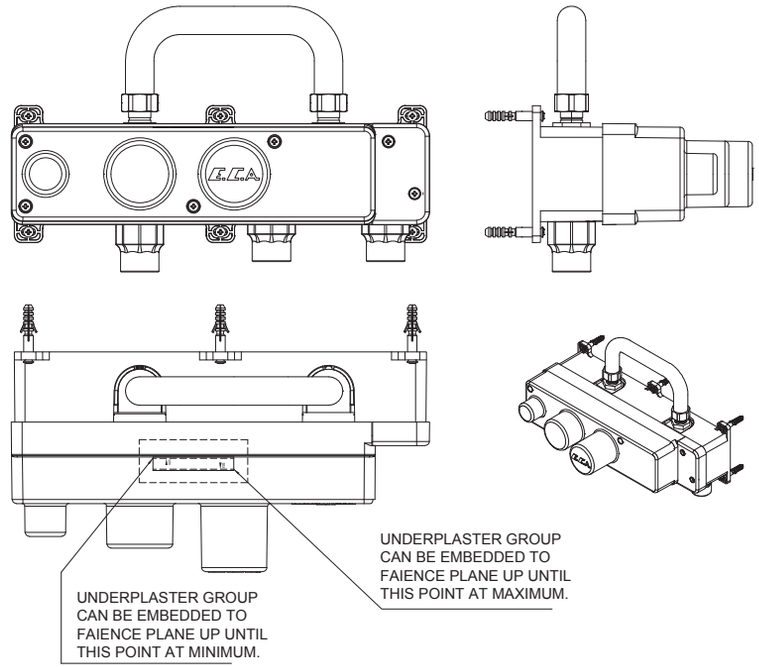


For outlet mounting, it is moved forwards until it is touched upon rosette to arrow direction and mounting is completed by screwing the lower stay bolt.

MOUNTING INSTRUCTION FOR NOVITA EMBEDDED BATHTUB FAUCET

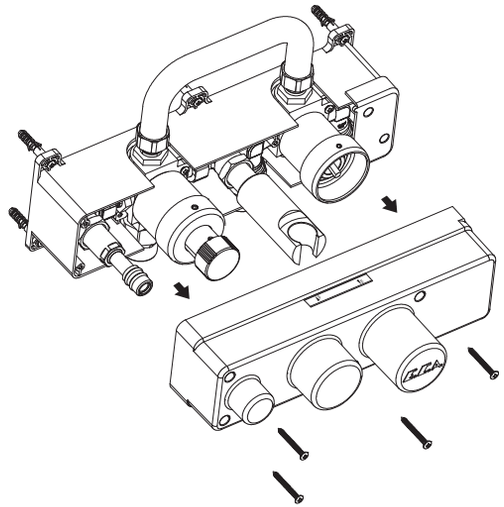
Underplaster group current situation. Underplaster group is anchored to the wall within maximum and minimum borders of faience plane and under the control of bubble level.

1



After the underplaster group is anchored to the wall, plumbing is installed and upper cover is demounted. Leakage test is performed to underplaster group. Maximum test pressure should be 16 bar.

2



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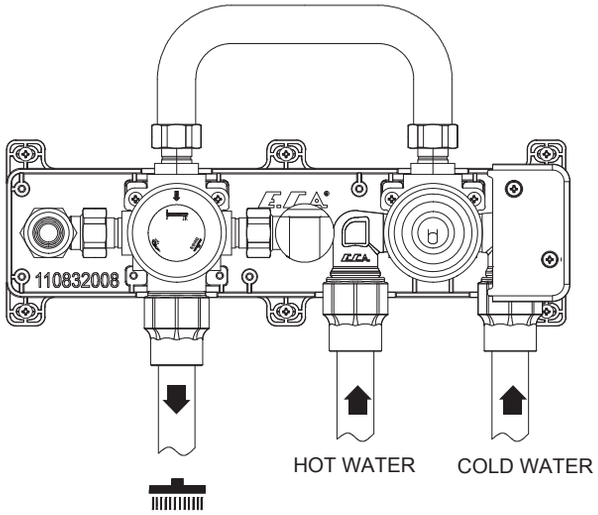
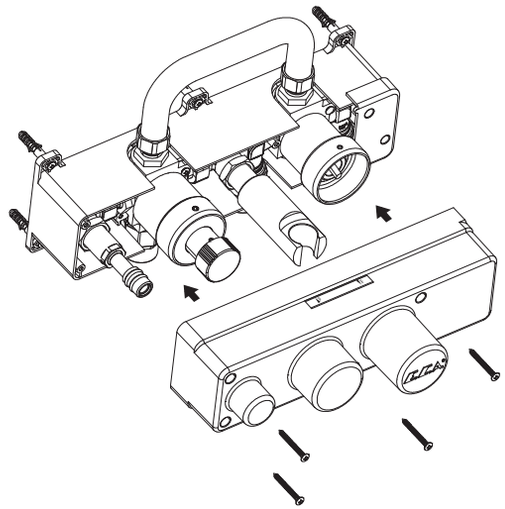


After the leakage test is performed, upper cover is mounted to under-plaster group with screws and plastering and laying faiense is performed by taking into account their maximum and minimum values (in a manner that upper cover will be removed after fiance laying process.)

4



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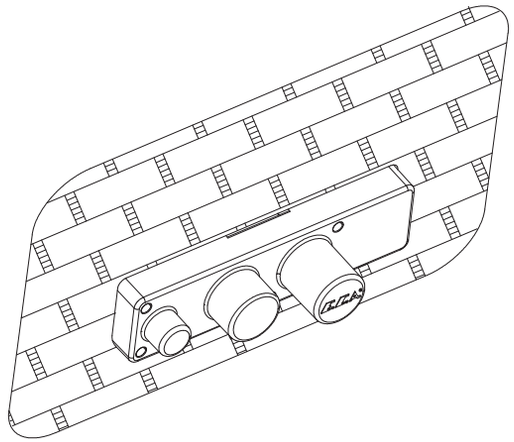
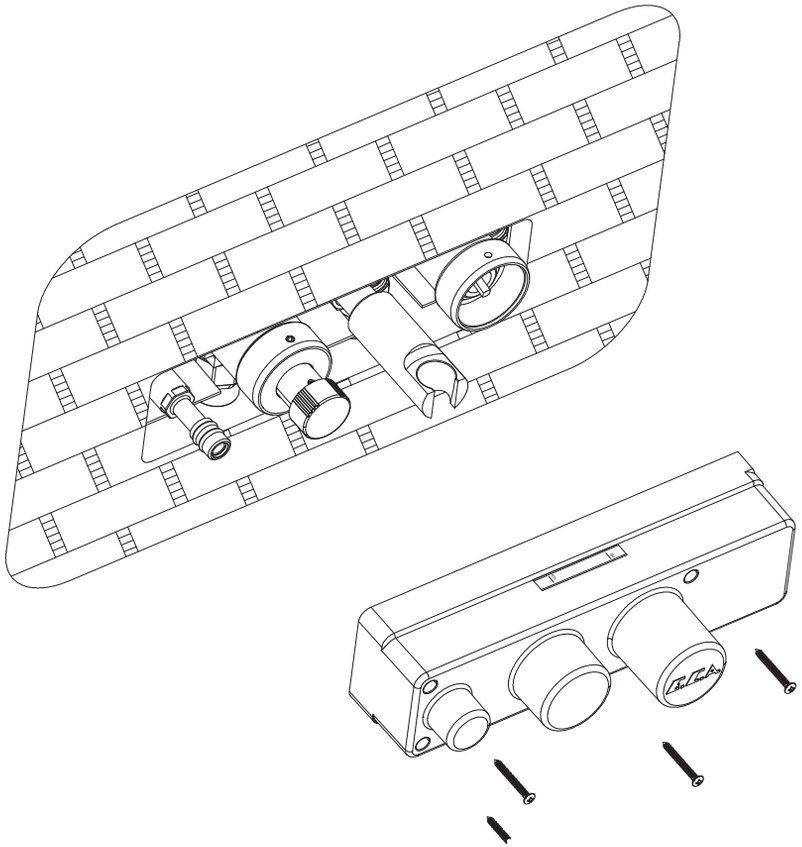


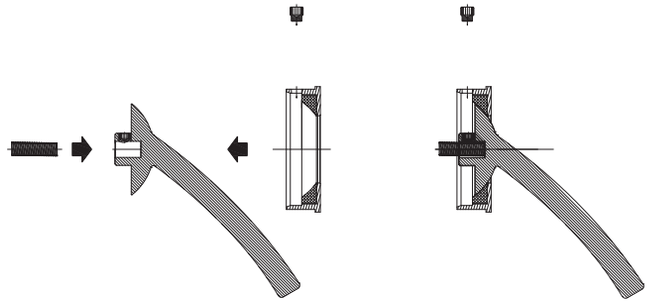
After the process of plastering and laying faiense, upper cover is removed.

6



Component required for handle mounting is pieced together as in the figure. Components are mounted into the body by pushing from the spots shown with arrows and pushing process is continued bow and underarm component are touched upon plastic bearing. Then handle mounting is completed by screwing with stay bolts no.1 and no.2. (Do not apply force during mounting.)

7



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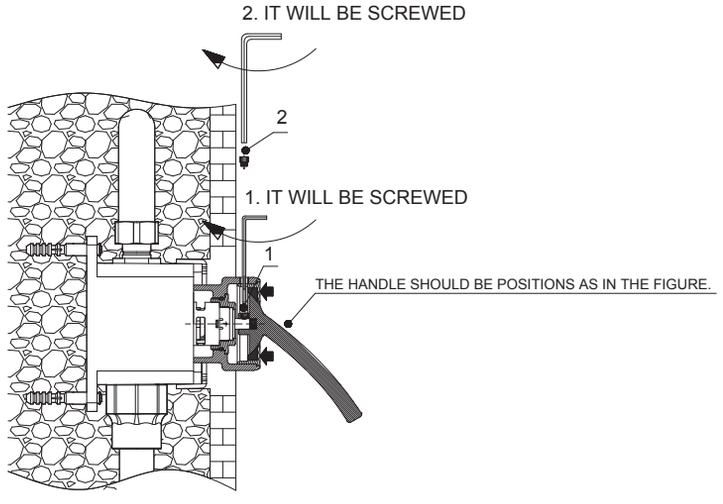
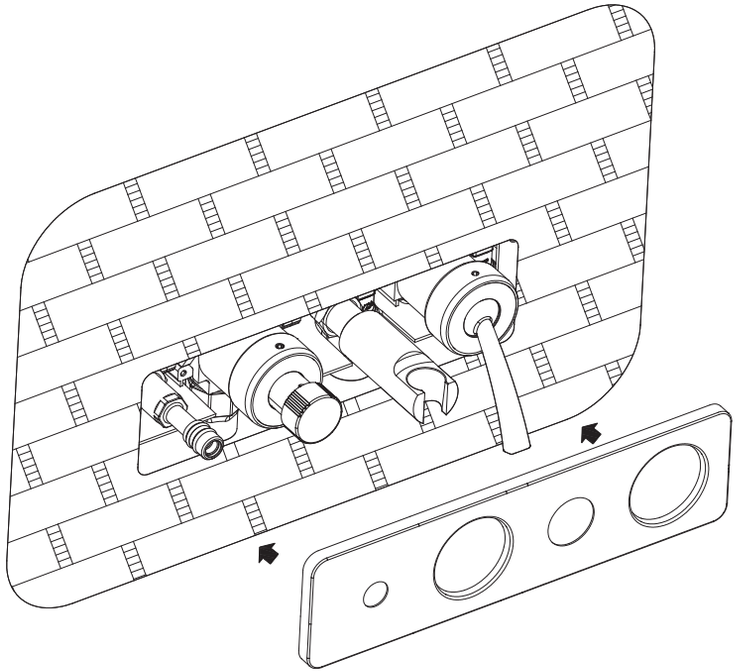


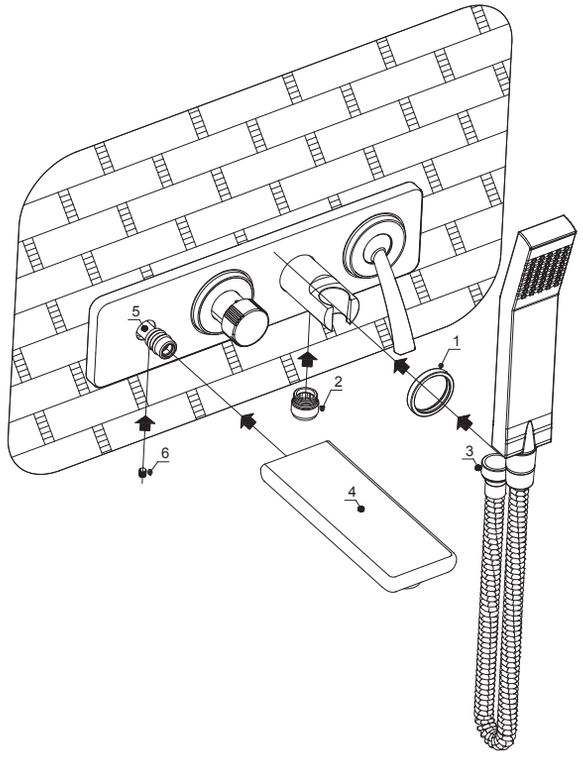
After handle mounting, rosette is mounted in a manner that the handle is passed through the rosette hole without scratching rosette.

9



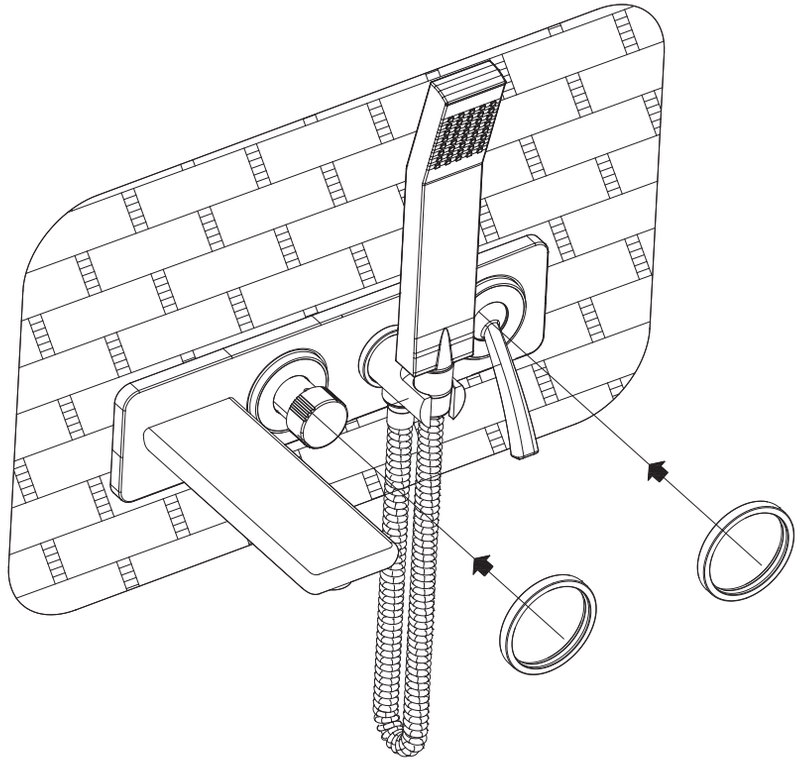
After the rosette is mounted, respectively;
Ring no.1 is leaned on rosette by passing through hand shower bearing.
Nipple no. 2 is attached to hand shower bearing.
Hand shower hose no. 3 is attached to nipple no. 2 and hand shower is seated into the slot.
Outlet no. 4 is moved forwards nipple no. 5 and the back side of outlet is leaned on rosetteç
Stay bolt no. 6 makes outlet no. 4 anchored to nipple no. 5.

10



Rings will not be used if underplaster group is embedded at maximum level. They will be used if it is embedded at minimum level. (They should be used on condition that stay bolts in the bodies are seen.) In this way, mounting process is completed.

11



E.C.A®

[TOGETHER FOR YEARS]

WARRANTY DEED

FAILURES BEYOND THE SCOPE OF WARRANTY

1- Damages to occur on products during transport

2- Surface deformations of products resulting from being kept for a long time in ambient where construction activities continue

3- Failures occurring as a result of faulty mounting on utilization points by unauthorized people

4- Failures led by construction wasters, as a result of mounting products before cleaning the installation of new constructions

5- Failures resulting from using products against the points stated in the manual

6- Surface deformations occurring as a result of cleaning made by using acid and abrasive powder or cleaning materials containing liquid

7- Demounting of products by unauthorized repair units

8- Disruption of product features due to using parts other than original spare parts

9- Using products at an installation with a mains pressure above 5 bars, without mounting any pressure-reducing valves

10- Failures to occur as a result of not using mains water or ambient temperature between 5°C and 60° C, and frost

11- In battery-operated products, consuming batteries normally off-failure

12- In electrical products, operating the product out of mains voltage of 220V 50Hz

13- Deformations to be caused on the product's coating by the steam released as a result of cleaning the ambient, where the product is used, via acid and abrasive powder or cleaning materials containing liquid, due to insufficient ventilation

14- Operation of battery-operated products with any battery other than the original one

15- Failures to occur as a result of faulty or tough usage of the product, or user error

16- Failures occurring because of factors such as stone particles, mud, burr, sand etc from the installation of product, or calcification

17- Failures occurring due to non-operation of the product at its normal operation pressure of 0.5-5 bars

18- Damages likely to occur as a result of atmospheric events or using the products in an outer ambient.

TERMS OF WARRANTY

1- Warranty period starts after the good is purchased and lasts for minimum 2 years.

2- The whole good is under the warranty of our Firm, including all parts.

3- If the good fails within the warranty period, time passed at repair is added to the warranty period. Repair time for the good is maximum 30 business days. This period takes start after the service station, or if there is no service station, the vendor of goods, dealer, agency, representation office, importer or manufacturer-producer is informed of the malfunction. In the event that the failure could not be repaired within 15 days, manufacturer-producer or importer must assign another good with similar features to the use of consumer, until the repair of the good is completed.

4- If the good fails within the warranty period due to material and workmanship or mounting defects, it will be repaired without demanding any charges under the name of workmanship expenses, price of the replaced part or any other.

5- Despite consumer's exercising its right to repair, in the events that;

- The same failure is repeated more than twice, or different failures occur more than four times, or total of different failures that occur within the determined warranty period is more than six times, as well as such failures perpetuate non-usage of the good, starting from the date of delivering the good to the consumer, provided within the determined warranty period,

- The time required for the good's repair exceeds the maximum time,

- It is determined that the good's repair is not possible, with a report to be issued by the firm's service station, or, if the service station is not available, by one of the vendors, dealers, agencies, representation offices, importers or manufacturers-producers, respectively, the consumer can demand its free replacement, return of price or price discount in the amount of defect.

6- Failures resulting from usage against the points stated in the manual of the good fall outside the scope of warranty.

7- For problems likely to occur with regard to the Warranty Deed, Ministry of Industry and Trade may apply to the General Directorate for Protection of Consumer and Competition.