

# Installation Instruction Thermostatic concealed 3-way shower mixer Item no.: AB2287

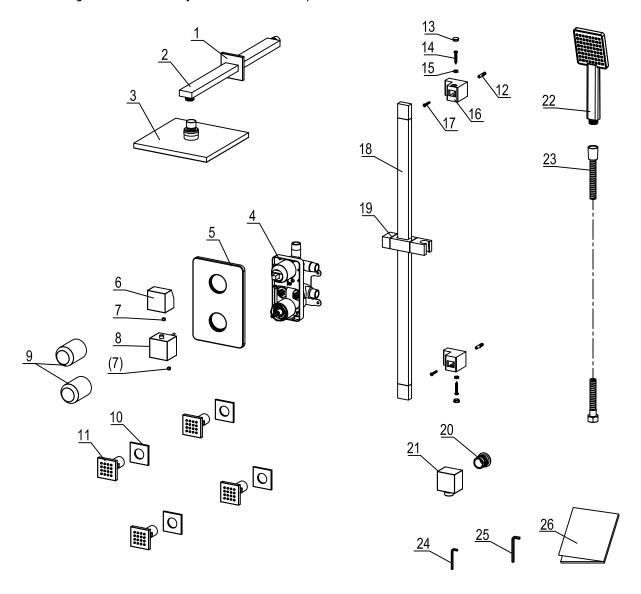


# \*\*ACCESSORIES CHECKING

LIST OF THE STANDARD ACCESSORIES:

Please double-check the accessory list hereinafter and contact our company or our distributor for any unconformity. Remarks:

- 1. Without affecting their performancing, accessories may be changed without further notice.
- 2.Drawings for reference only. Product size & shape refer to actual faucet.



Component	Qty	Component	Qty	Component	Qty	Component	Qty
1.Decorative plate A	1	8.Temperature handle	2	15.Plastic gasket	2	22.Hand shower	1
2.Shower arm	1	9.Plastic graud	1	16.Fixing hook	2	23.Shower hose	1
3.Overhead shower	1	10.Decorative plate C	2	17.Self-tapping screw B	2	24.Allen wrench A	1
4.Concealed body	1	11.Body spray	1	18.Sliding rail	1	25.Allen wrench B	1
5.Decorative plate B	1	12.Expansion plug	2	19.Shower hook	1	26.manual	1
6.Diverter handle	1	13.Litter cover	2	20.Connector lug	1		
7.Decorative plug	2	14.Self-tapping screw A	2	21.Shower union	1		

### ※ Features & specifications:

- 1. Applicable water pressure 0.03-0.6MPa, best among 0.1-0.5MPa, max tolerence between cold & hot water pressure: 0.6MPa.
- 2. Temperature for hot water supply 50°C-80°C, suggested using temperature 60°C-70°C, and cold water supply temperature 5°C-25°C.
- 3. Preset conditions for thermostatic cartridge: hot water65°C, cold water
- 12°C and water pressure 0.3MPa.Default temperature 38°C,

temperature will be slightly different due to pressure or other present conditions.

- 4. Using temperature for thermostatic cartridge: 15°C-50°C±1°C.
- 5. The switch handle controls hot & cold water and the flowrate.
- 6. With 38°C safeguard button, you could avoid scald from overheat.
- 7. Self-balancing pressure for hot and cold water, and its compensating function.
- 8. Anti-scald device actions when cold water supply cut off suddenly.
- 9. No glue to use for connecting the hot & cold water pipes to the mainbody.

#### ※Pipes testing attentions

- ☆ Turn off faucet, set up max pressure 1.6Mpa±0.05Mpa for the supplying pipes to test sealability.
- ☆ Turn on faucet, block water outlets up and down, set up the max pressure 0.4Mpa±0.02Mpa for the supplying pipes to test the sealability again.

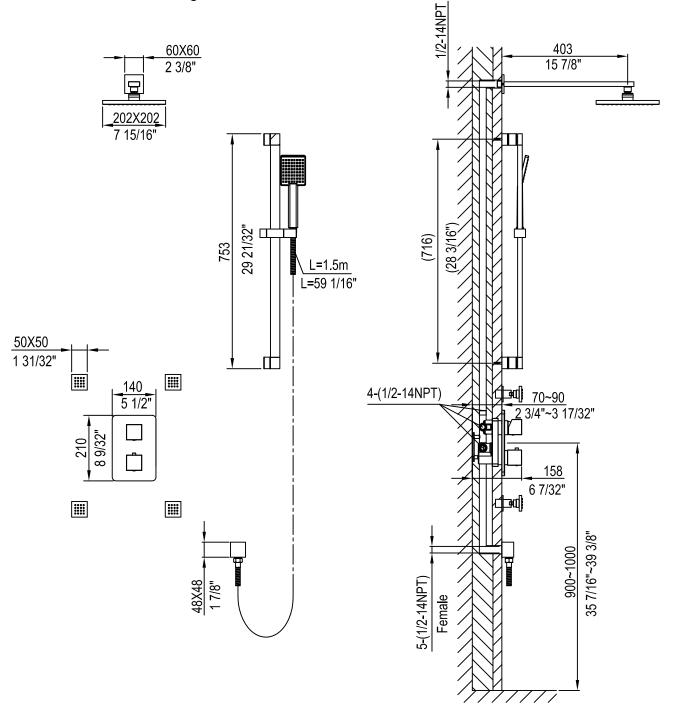
#### **X** Attentions:

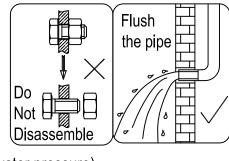
- 1. Product using pressure 0.3-0.6MPa(distance between water tank and the faucet: no less than 3 meters), pls use the pressure motor when the pressure is too low, on the contaray, to reduce pressure when it's too high.
- 2. Pls choose the pressure motor on basis of stable pressure, we could not guarantee that gas heater is suitable to use with the faucet.
- 3. Do not disassemble the main body, as it has been installed & commissioned correctly & precisely before leaving the factory.
- 4. To avoid faucet from jamming, do flush the water pipe before installation.
- 5. Make sure to connect the hot/cold water inlet pipes correctly, if standing in front, hot water pipe connectly to the left & cold water pipe connecting to the right.
- 6 Max temperature for hot water supply 80°C, the thermostatic cartridge will lose effectiveness or even being damaged due to overheat exceeds 80°C.
- 7. Test the water tightness on every joint & make sure no leaking after installation.
- 8. Pls clean the thermostatic cartridge with water regularly.
- 9. Waranty period: 1 year limited liability, not including damages arisen from improper installation and improper use.
- 10. Do use the our spare parts for replacement if any maintanance needed.

#### **XInstallation instructions:**

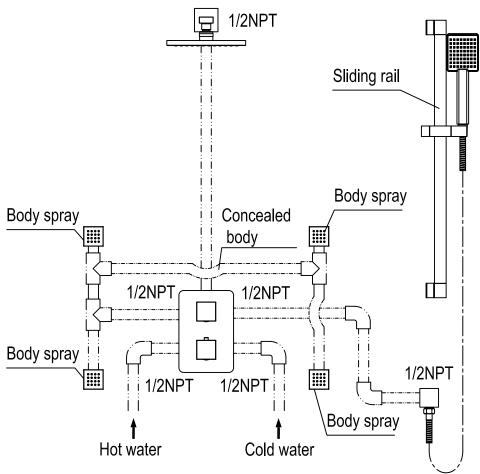
- ☆ Do not disassemble the main body, as it has been installed & commissioned correctly & precisely before leaving the factory.
- ☆ To avoid the faucet from jamming, do flush the water pipe before installation.
- ☆ After installation, make sure every joint safely sealed & no leaking.
- ☆ The nominal water pressure is 0.05 -1.0Mpa (including cold & hot water pressure), suitable for water temperature :  $4^{\circ}$   $90^{\circ}$ .
- A Make sure to connect the hot/cold inlet pipe correctly, if standing in front, hot water pipe connecting to the left & cold water pipe connecting to the right.

#### **XDimension Drawing**

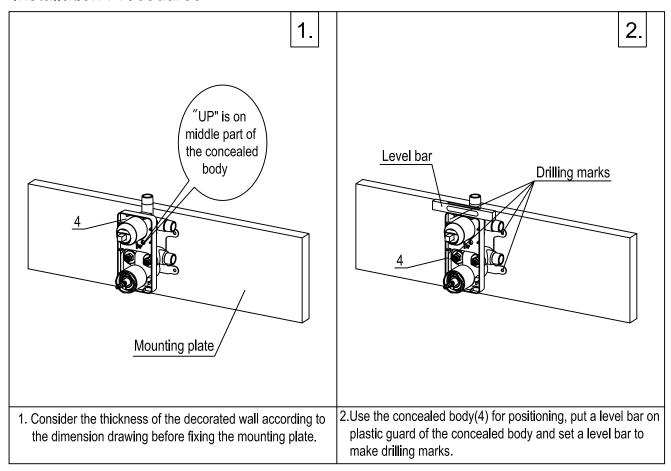


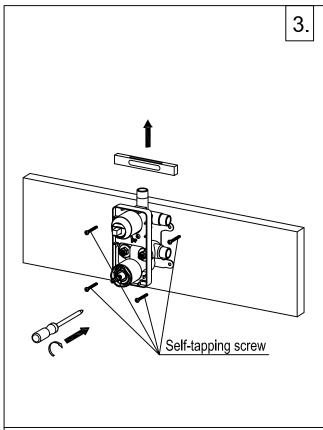


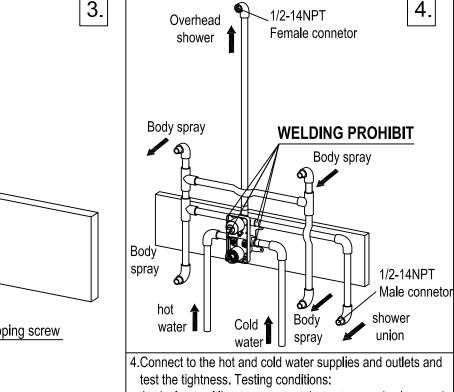
#### **%Pipe instruction**



#### **XInstallation Procedures**







3. After adjusting the location of the concealed body, fixed it by 4 pcs of self-tapping screws on the mounting plate.

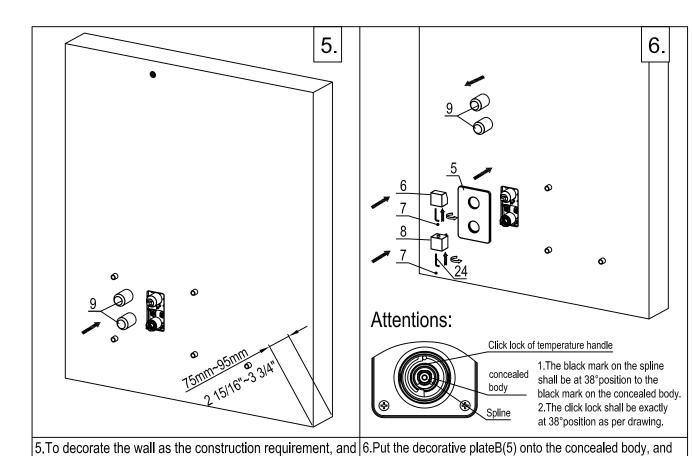
make sure the thickness of the tiling shall be 70mm-90mm

 $(2\ 3/4"\sim 3\ 17/32").$ 

At closing position to water test the water supply pipes and main body, water pressure ≤1.6MPa(232PSI). At opening position to water test the water outlet pipes and valve, water pressure ≤0.4MPa (58PSI).

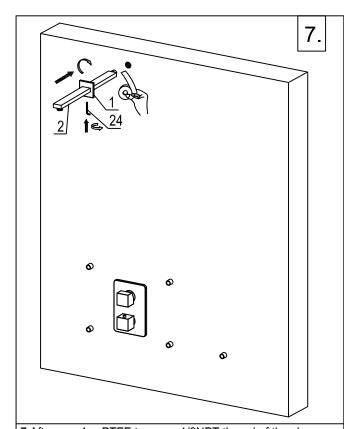
put on the diverter handle(6) and temperature handle(8) after

4.

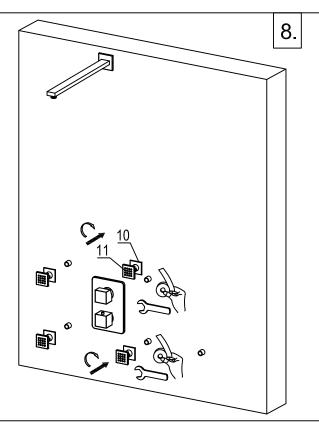


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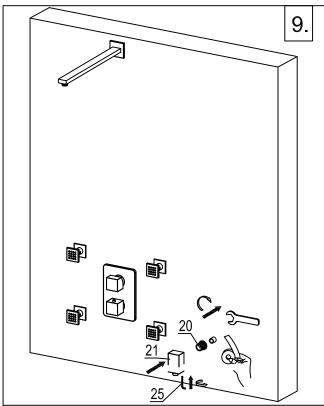
adjusting the direction.



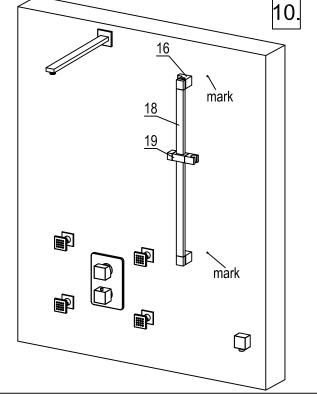
7.After wraping PTFE tape on 1/2NPT thread of the shower arm(2), screw shower arm into obligate female connector, and adjust its direction, then fix the decorative plate A(1) on the shower arm and close the wall.



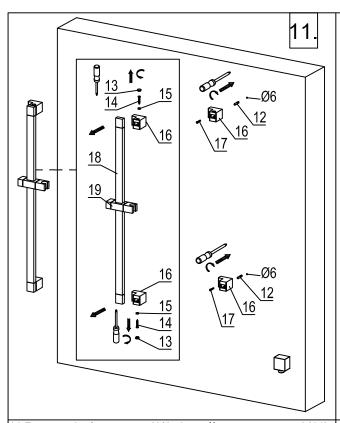
8.After wraping PTFE on obligate male connector, screw the body sprays(11) with the decorative plates C(10) into obligate male connector with a wrench, and adjust directions.

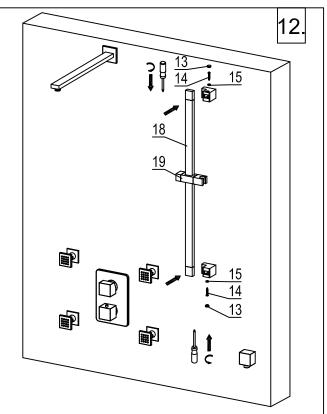


9.After wraping PTFE on obligate male connector, screw the connector lug(20) into obligate male connector with a wrench, then fix shower union(21) into the connector lug and adjust the shower union direction.



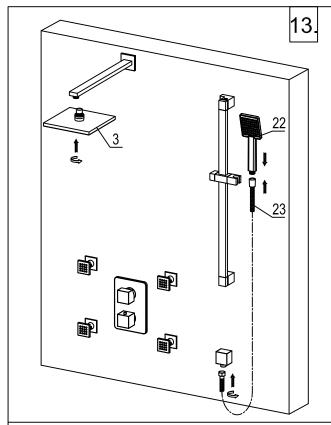
10. Use the sliding rail for positioning to make drilling marks at a suitable place on the wall.



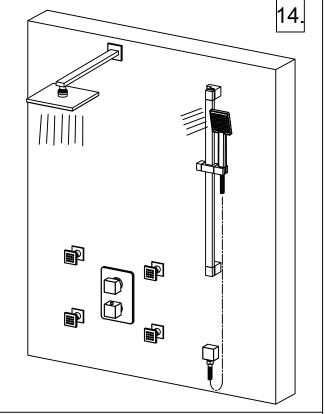


fixing hooks(16) from the sliding rail(18), dig 2-Ø6mm holes, knock the expansion plugs(12) into the holes, fix the fixing hooks(16) on the wall with the self-tapping screws B(17).

11.Remove the litter covers(13), the self-tapping screws A(14), 12. Put the sliding rail into the fixing hooks, fix the sliding rail on the wall with the self-tapping screws A(17), then put the litter cover into the fixing hooks.



13.Screw the overhead shower(3) onto the shower arm with fine seal, connect the handshower(22) to shower union with shower hose(23) with fine seal.



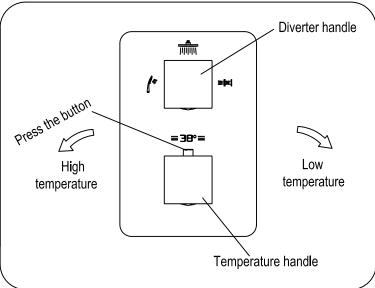
14. Finally, turn on the water to test tightness of all joints to finish installation.

# **XUsage**

- ☆ Usage of temperature adjustment: temperature handle is the under one,
  - 1) When the buttom at the top, water temperature is about  $38^{\circ}$ C.
  - 2) Turn the temperature handle clockwise to the right, water temperature is decrease.

3) Press down the button and turn the temperature handle anti-clockwise to the left, water

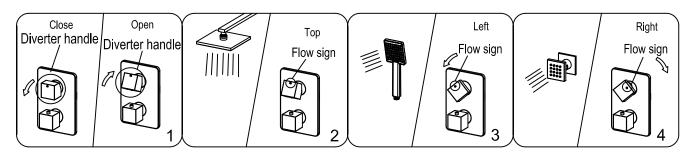
temperature is increase.



☆ Usage of diverter handle:

Diverter handle is the upper one,

- 1) As hereunder picture 2: raise the diverter handle up for opening water, push down to close.
- 2) When flow sign at the top as hereunder picture 2: water comes from the overhead shower.
- 3) Turn diverter handle to the left as hereunder picture 3: ater comes from the hand shower
- 4. Turn diverter handle to the right as hereunder picture 4: water comes from the body sprays.



# ※Cleanning & maintainance

- ☆ To keep the product clean & shining, follow the steps as below:
  - 1. Flush with clean water & dry with soft cloth only.
  - 2. If any dirt, clean with soft liquid or transparent glass detergent.
- 3. Do not use any scrubbing detergent, polisher, sand-cloth, paper tissue or scraper.
  - 4. Do not use acid detergent, indissolvable grain-like detergent or soap.
- \*The installation manual is only for your reference, the final right to explain & revise is belongs to us.