FOTILE

Installation Guide

Please keep it properly for future reference

Please read this manual carefully before using the product

VersaWash™ 3-in-1 Produce & Dishwasher

SD2F-P5

SD2F-P5L

CONTENTS

Dear customer,

Thank you for purchasing the FOTILE in-sink dishwasher exquisitely manufactured for you by FOTILE. Please read this guide carefully before installation. If you have any questions, please call FOTILE at service hotline.

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I. Safety precaution

To prevent personnel injuries and property damages, please strictly abide by the following important safety precautions, and use the product properly after reading the contents hereof fully and carefully.

1. For the installation, professional plumbers with basic mechanical, electrical and plumbing skills are required.
2. Correct installation is the installer's responsibility. Product failure caused by improper installation will not be covered by FOTILE's warranty.
3. Before installation, the power supply must be cut off to avoid electric shock.
4. It is strictly prohibited to wet power cords, connectors and other electrical parts, which, if wet, may cause electric shock or other accidental injuries.
5. Please do not modify, stretch, knot or put any heavy objects on the power cord. Otherwise, the power cord may be damaged, causing accidents such as electric shock and fire.
6. Do not touch the power cord or electrical parts with wet hands, otherwise electric shock may occur.
7. The power cord connection must be grounded reliably to ensure safety. If there is no grounding wire, please ask a certified electrician to connect grounding wire, which must not be connected to gas tanks, water pipes, lightning rods or telephone lines. Poor grounding may cause electric shock and other accidents.
8. To avoid hazards, the damaged power cord must be replaced by the after-sales service personnel of FOTILE or professionals.
9. The power-supply receptacle for the appliance shall be installed in a cabinet or on a wall adjacent to the undercounter space in which the appliance is to be installed.
10. There shall be an opening through the partition between the compartments specified in (9) that is large enough for the attachment plug to pass through. The longest dimension of the opening shall not be more than 38 mm (1.5 in).
11. For the edge of opening specified in (10), if a wooden partition is adopted, the edge shall be smooth and round, and if a metal partition is adopted, an edge protector or other method shall be used to protect the power cord from being scratched.
12. Care shall be exercised, when the appliance is installed or removed, to reduce the likelihood of damage to the power-supply cord.
13. When moving the product, pay attention to the sides and corners of the tank to avoid cuts. Please wear protective gloves.
14. The water inlet of FOTILE in-sink dishwasher must be connected to **cold water**. Connecting to hot water will affect the fruit and vegetable washing function.
15. Do not let children play with plastic film and packaging boxes, as this may cause suffocation. Please keep packaging materials away from children, which are not toys.
16. The table on which the product is installed must be able to support a load of 2,201bs (100Kg), and the entire machine must be firmly fixed onto the table.
17. This product is embedded in the cabinet, and the cabinet material used to install the product must be temperature and moisture resistant.
18. When installing the product, the function tank should be kept at a distance of more than 11 13/16" (300mm) from the gas meter and pipeline, and the junction box should be kept at a distance of more than 5 15/16" (150mm) from the gas meter and pipeline.
19. If specified otherwise by local laws and regulations, the drain pipe shall be connected accordingly.
20. After installation, please keep this guide properly for future reference.

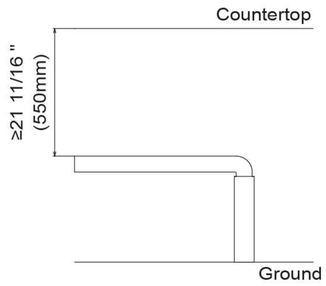
II. Installation requirements

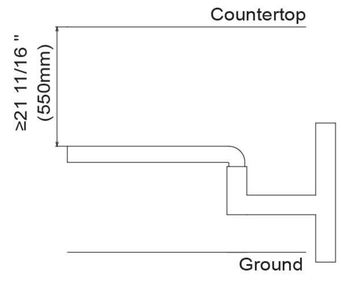
To avoid personal injury and property damage to the user and others, read and follow all safety instructions and warnings.

1. There must not be any gas pipes, gas meters or other items that may interfere with the function tank and drain pipes in the cabinet.

Pipe and device		Clearance from gas pipeline	
		Parallel laying	Cross laying
Electrical device	Insulated wires or cables for surface installation	9 7/8"(250mm)	3 15/16"(100mm)
	Exposed wires with voltage less than 1000V	39 3/8"(1,000mm)	39 3/8"(1,000mm)
	Switchboard or distribution box, electric meter	11 13/16"(300mm)	Not allowed
	Electrical sockets, power switches	5 15/16"(150mm)	Not allowed

2. There should be water loops and electrical circuits arranged inside the cabinet (or adjacent cabinets).
3. There should be a 120V/60Hz power supply, and wires with a diameter of 14AWG or more must be laid separately and grounded reliably.
4. The installed water loop shall meet the required pressure: 20.3 psi-145.04 psi
5. Drain pipe height requirement: The height from the top of the installation countertop to the drain pipe line should be greater than or equal to 21 11/16” (550mm)

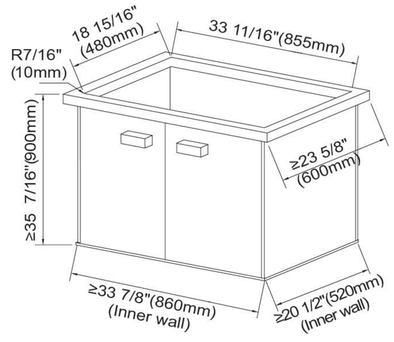




6. Requirements for countertop opening and cabinet inside dimensions.

Countertop opening dimensions			Cabinet inner wall size		
Length	Width	R corner	Length	Width	Height
33 11/16"	18 15/16"	7/16"	≥33 7/8"	≥20 1/2"	≥35 7/16"
855mm	480mm	10mm	860mm	520mm	900mm

7. When installing the dishwasher, you must consider whether you can take the entire machine out from the countertop for later maintenance.
8. Leave at least 18 1/2” of clearance on the countertop so the dishwasher door can be opened properly.



9. If there is a wall-hung cabinet above the cupboard to be installed, a certain distance shall be kept between the hole and the wall surface. If the distance between the wall-hung cabinet and the countertop is 18in (457.2mm), the clearance from the front edge of the hole to the wall surface shall be equal to or greater than 5 15/16” (150mm) and the cupboard countertop depth shall be equal to or greater than 27 9/16” (700mm), as shown in Fig. 1 below; if the distance between the wall-hung cabinet and the countertop is 19in (482.6mm), the clearance from the front edge of the hole to the wall surface shall be equal to or greater than 2 13/16” (70mm) and the cupboard countertop depth shall be equal to or greater than 24 7/16” (620mm), as shown in Fig. 2 below.

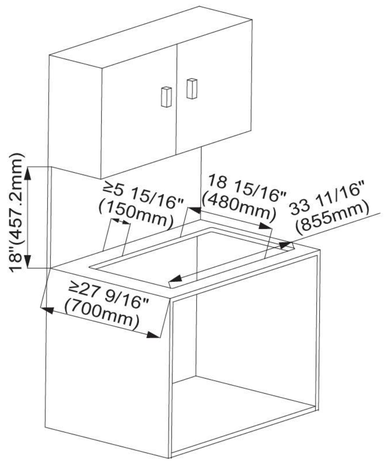


Fig. 1 (Drawing 18in)

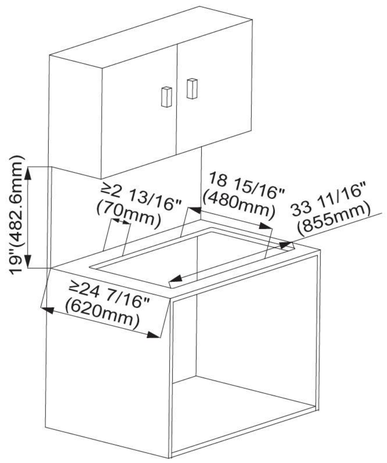
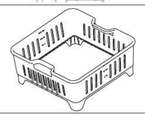
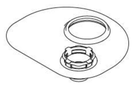
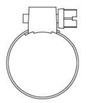


Fig. 2 (Drawing 19in)

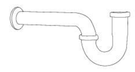
Installation checklist

Product Packing List

Use and Care Manual		1
Installation Guide		1
Warranty Card		1
Cutting Template		1
Dish Basket		1
Produce Basket		1

Drain Pipe Assembly		1
Overflow Cross Assembly		1
Corrugated Overflow Hose		1
Rubber Hose		1
Spray Arm		1
Filter Assembly		1
Clamp		5

Parts Not Included

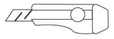
Faucet		1	Required
3/8" Dishwasher Supply Line		1	
1-1/2" P-Trap Kit		1	
1-1/2" Slip Joint Nut		1	
Basket Strainer		1	

Garbage Disposal		1	Optional
Air Gap Kit		1	
Soap Dispenser		1	

Additional plumbing parts may be needed depending on your kitchen setup.
Please check with your plumber in advance.

Recommended Installation Tools

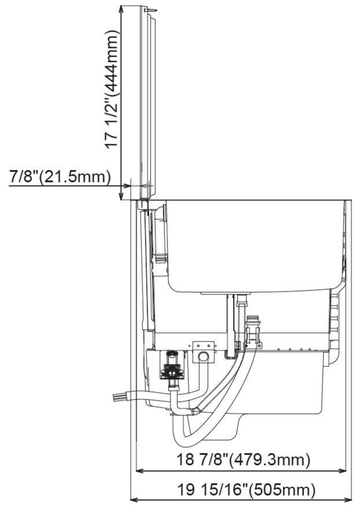
(Please prepare the corresponding tools according to the actual installation conditions)

	Caulking Gun Kitchen and Bath Silicone Caulk	1
	Channel Lock Pliers	1
	PVC Pipe Cutter	1
	Flathead Screwdriver	1
	Utility Knife	1
	Tape Measure	1
	Plumber's Putty	1
	Thread Seal Tape	1

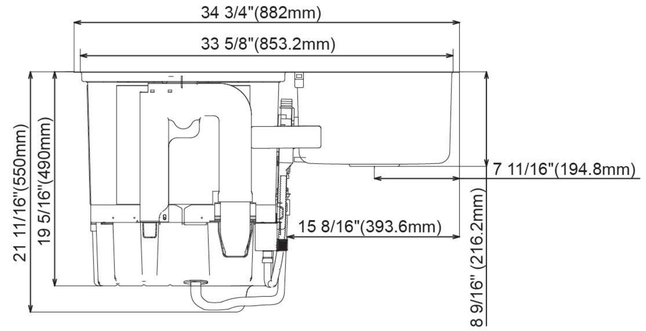
III. Installation

■ Product Dimensions

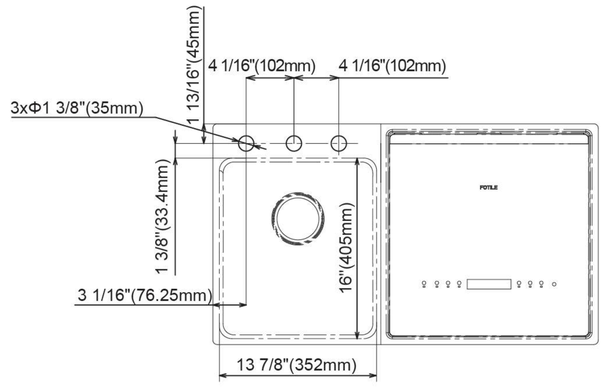
Unit: in (mm)



(Side view)



(Rear view)

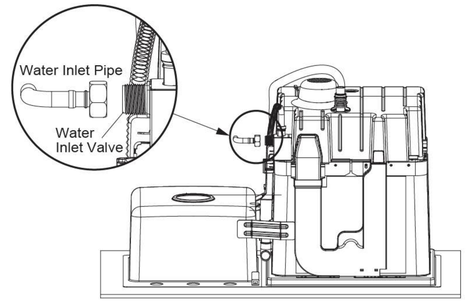


(Vertical view)

■ Installation Steps (This manual uses P5 as an example)

Step 1: Open the box

Take the whole unit out of the packaging box and place it steadily with the front side facing down. Ensure the contact surface is smooth and free of foreign objects to prevent the product from being bumped or scratched.



Step 2: Install the water inlet pipe

Connect the 3/8"water inlet pipe to the water inlet valve and tighten it.

Step 3: Install the sink drain or garbage disposal.

Installation in different scenarios

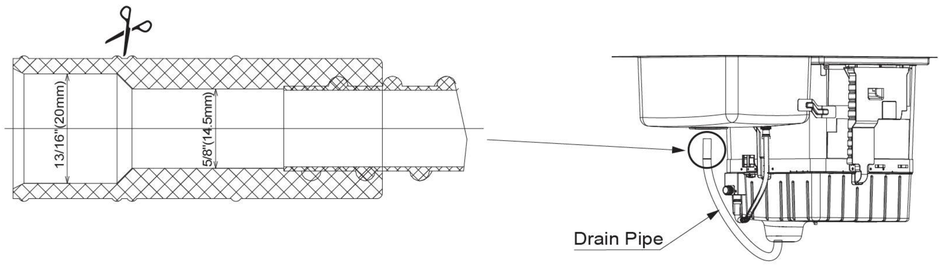
Option A: No garbage disposal—no Air Gap Option B: No garbage disposal—With Air Gap

Option C: With garbage disposal—no Air Gap Option D: With garbage disposal—With Air Gap

No domestic dishwashing machine shall be directly connected to a drainage system or food waste disposer without the use of an approved dishwasher air gap fitting on the discharge side of the dishwashing machine. Listed air gaps shall be installed with the flood-level (FL) marking at or above the flood level of the sink or drainboard, whichever is higher.

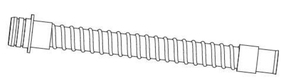
Attention: If there is a local UPC requirement, select an approved dishwasher air gap fitting and follow Option B or Option D.

Note: The dishwasher drain pipe joint is a variable diameter structure, with an inner diameter of 13/16" (20mm) at the front end and 5/8" (14.5mm) at the rear end. When using the rear end for connection, the front end of the connector can be cut off.



Take the drain pipe components out of the accessory bag inside the product packaging box. They include the following 5 parts.

Note: The drain pipe assembly is only applicable to installation options A & B (without a garbage disposal). The overflow cross assembly is only applicable to installation options C & D (with a garbage disposal).



Corrugated Overflow Hose



Rubber Hose



Clamp(Qty:5)



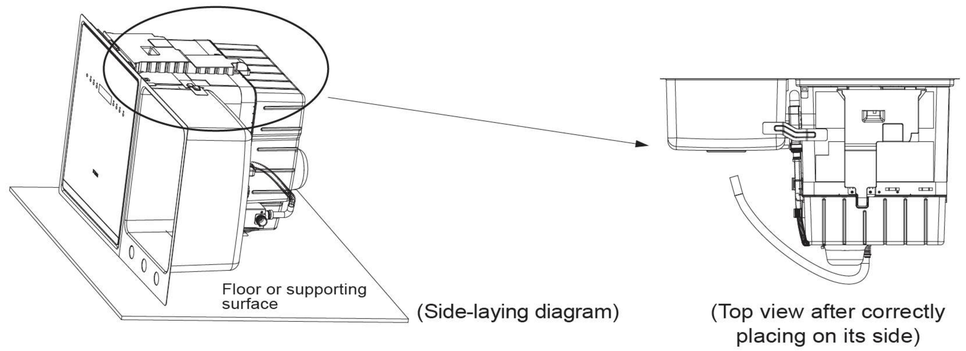
Overflow Cross Assembly



Drain Pipe Assembly

■ Option A: No garbage disposal—no Air Gap

Place the product on its side with the door lock facing up. And remove the drain pipe from the fixed bracket to facilitate subsequent installation.



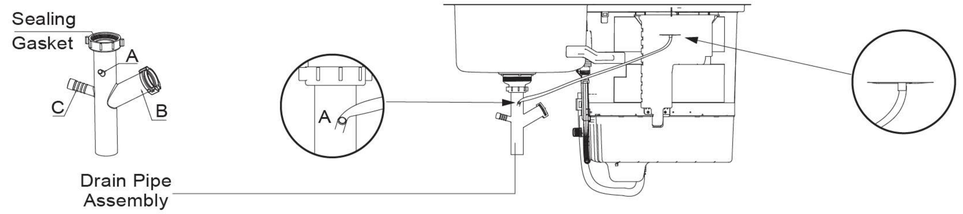
(Side-laying diagram)

(Top view after correctly placing on its side)

1.Properly install the sink strainer on the sink, ensuring it is tight and leak-free.

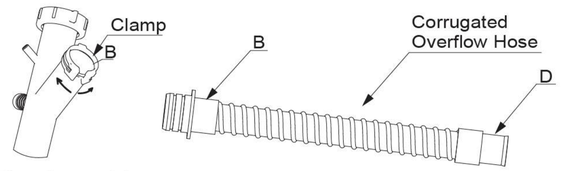
2.Remove the white tape from the top of the drain pipe assembly. Make sure the sealing gasket is in place on the drain pipe assembly, then install it onto the sink strainer, ensuring a tight and leak-free connection.

3.Connect one end of the rubber hose to the drip hole beneath the door lock, and connect the other end to port A of the drain pipe assembly.

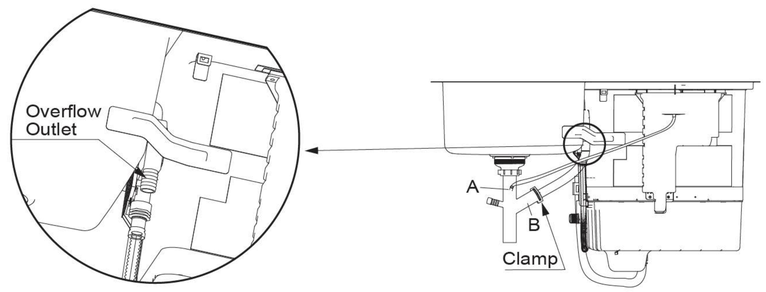


4.First, put port D of the corrugated overflow hose into the clamp, then put it into the overflow outlet of the dishwasher, and clamp it tightly with the clamp;

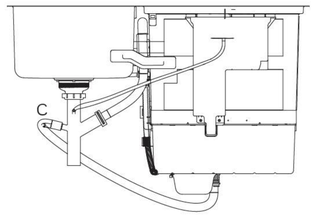
Remove the clamp of the drain pipe assembly port B according to the arrow direction in the figure below, insert the corrugated overflow hose port B into the drain pipe assembly port B, and lock it with the removed clamp.



Drain Pipe Assembly



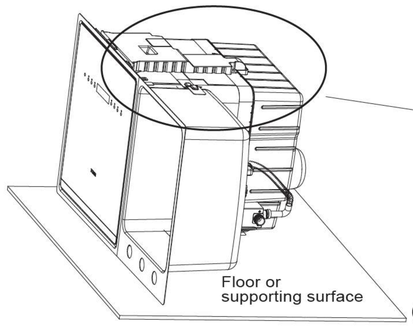
5.Remove the sealing cover of the C port of the drain pipe assembly. Put a clamp on the joint of the drain pipe, connect the drain pipe to the C port, and clamp it with a clamp.



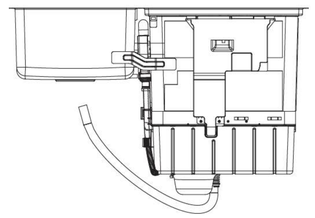
6.The included piping connections are complete. Please refer to Step 4 to finish the remaining installation.

■ Option B: No garbage disposal—With Air Gap

Place the product on its side with the door lock facing up. And remove the drain pipe from the fixed bracket to facilitate subsequent installation.



(Side-laying diagram)

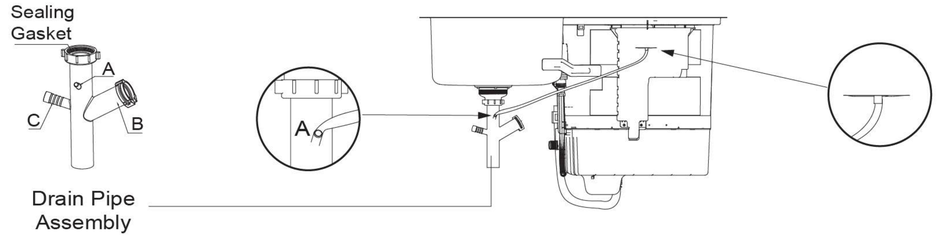


(Top view after correctly placing on its side)

1.Properly install the sink strainer on the sink, ensuring it is tight and leak-free.

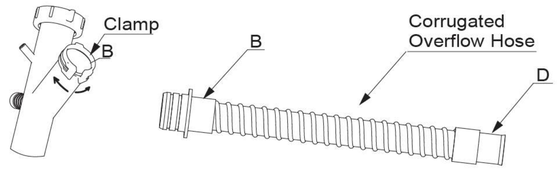
2.Remove the white tape from the top of the drain pipe assembly. Make sure the sealing gasket is in place on the drain pipe assembly, then install it onto the sink strainer, ensuring a tight and leak-free connection.

3.Connect one end of the rubber hose to the drip hole beneath the door lock, and connect the other end to port A of the drain pipe assembly.

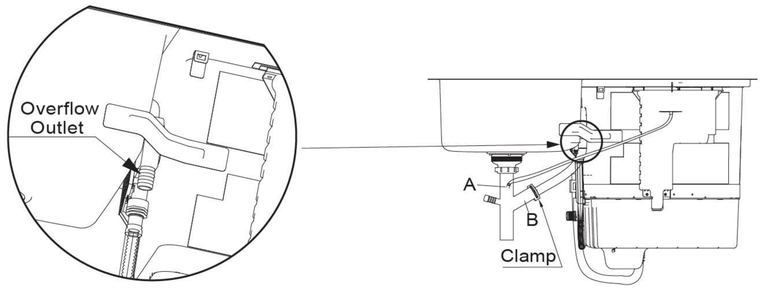


4.First, put port D of the corrugated overflow hose into the clamp, then put it into the overflow outlet of the dishwasher, and clamp it tightly with the clamp;

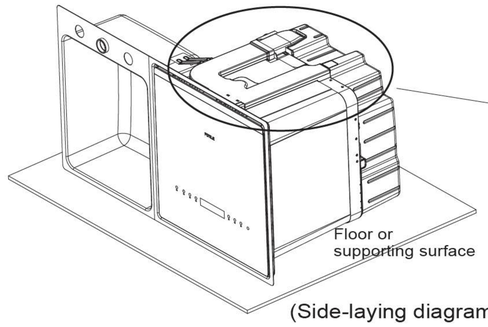
Remove the clamp of the drain pipe assembly port B according to the arrow direction in the figure below, insert the corrugated overflow hose port B into the drain pipe assembly port B, and lock it with the removed clamp.



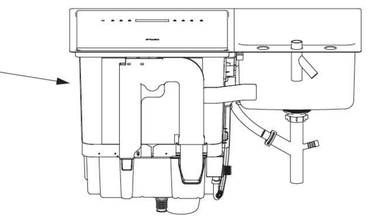
Drain Pipe Assembly



5.Rotate the product onto its side, ensuring the sink opening is oriented horizontally. Install the Air gap at any sink opening as needed (remove the cut-out cover first).



(Side-laying diagram)

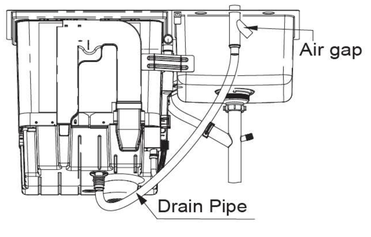


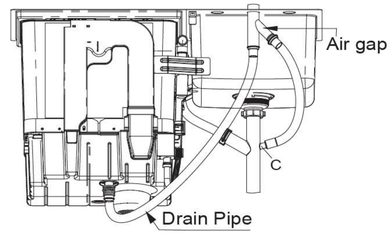
(Top view after correctly placing on its side)

6.Insert the clamp at the drain pipe joint, connect the drain pipe to the air gap, and use the clamp to lock it.

7.Remove the sealing cover of the C port of the drain pipe assembly. Insert the air gap pipe into the C port of the drain assembly and lock it with a clamp.

Note: Please cut the air gap pipe appropriately to ensure that the pipe is connected to the C port at the shortest distance. Otherwise, when the dishwasher drains, there may be an air gap overflow.





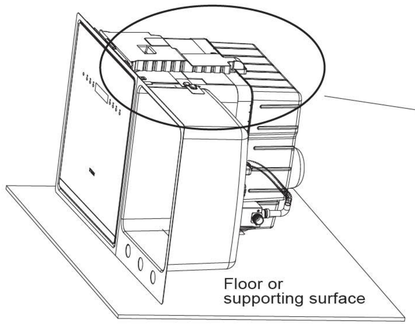
8.The included piping connections are complete. Please refer to Step 4 to finish the remaining installation.

■ Option C: With garbage disposal—no Air Gap

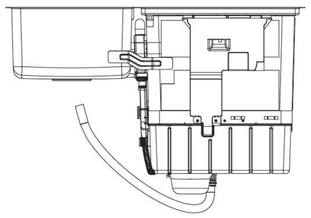
There are two ways to install a garbage disposal, please choose according to your actual situation. This scenario illustrates ① and ② of method 1 as examples. If you choose method 2, please refer to steps 4 to 6 first, and complete the installation in combination with ① and ② in this scenario.

Installation method	Description	Advantages	Disadvantages
Method 1	①Install the garbage disposal first→ ②Complete the pipeline connection between the dishwasher and the garbage disposal→ Put it in the cabinet→ Finish the remaining pipeline connection	Some pipe connection operations are completed outside the cabinet and are relatively comfortable	Put the dishwasher and garbage disposal in the cabinet together, which is heavier and requires two people to operate
Method 2	Put the dishwasher into the cabinet first→ Install the garbage disposal→ Complete all pipeline connections	Can be completed independently by one person	It is necessary to squat down to complete all pipeline connections in the cabinet, which is low in comfort

Place the product on its side with the door lock facing up. And remove the drain pipe from the fixed bracket to facilitate subsequent installation.



(Side-laying diagram)

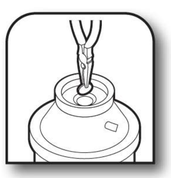


(Top view after correctly placing on its side)

1.Properly install the garbage disposal on the sink to ensure a tight and leak-free installation.
Note 1: If you use a new garbage disposal, be sure to remove the inner cover, otherwise the dishwasher will not be able to drain water, causing a fault error.

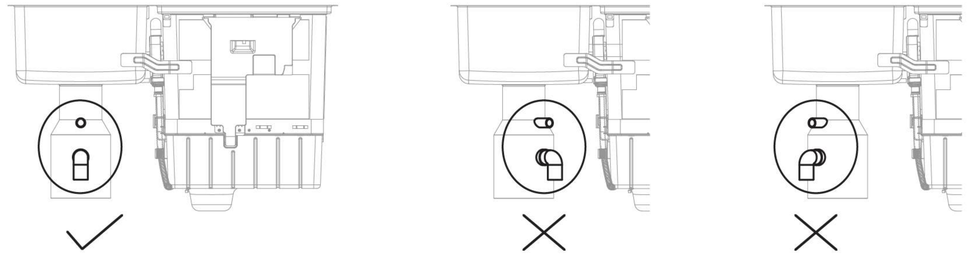


a.Use a hammer and screwdriver to open the drain inlet of the garbage disposal to the dishwasher.



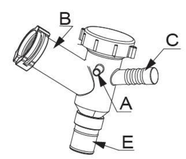
b.Remove the inner cover with pliers.

Note 2: After completing the installation of the garbage disposal, please make sure that the dishwasher drain inlet and drain outlet of the disposal are pointing directly upwards (that is, it is facing the direction of the cabinet door after putting it into the cabinet), otherwise it will affect the subsequent pipeline connection.

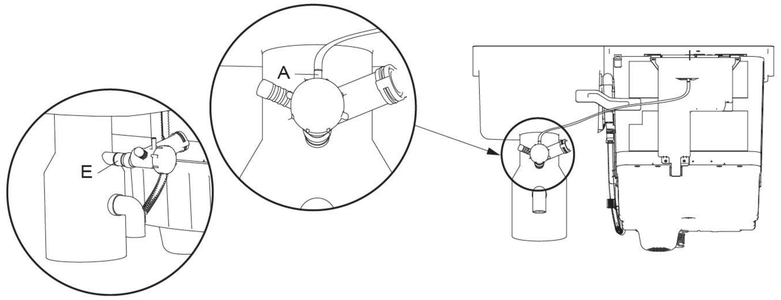


2.Put the rubber joint E of the overflow cross assembly on the clamp and insert it into the garbage disposal. Note, make sure that the A port points to the sink after insertion. Snap the clamp tightly.

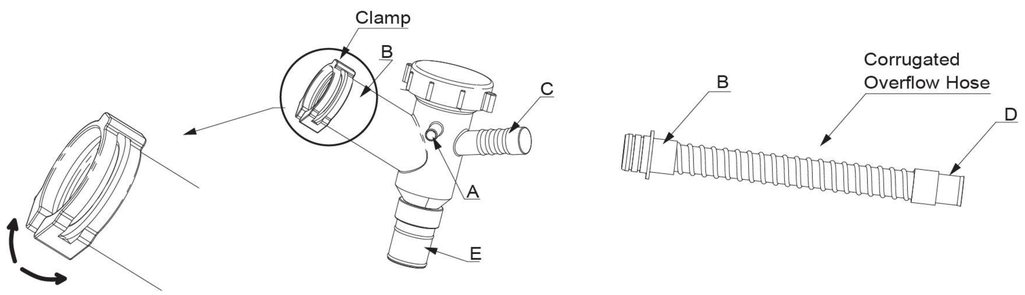
3.Connect one end of the rubber hose to the drip hole under the door lock, and the other end to the overflow cross assembly A entrance.

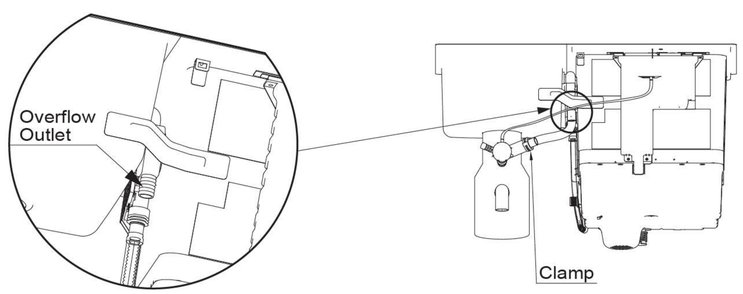


Overflow Cross Assembly

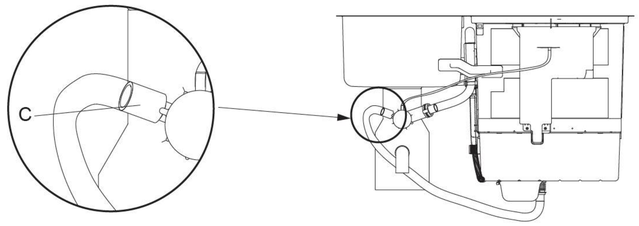


4.First, put port D of the corrugated overflow hose into the clamp, then put it into the overflow outlet of the dishwasher, and clamp it tightly with the clamp;
Remove the clamp of the overflow cross assembly B port according to the arrow direction in the figure below, insert the corrugated overflow hose B port into the B port of the overflow cross assembly, and lock it with the removed clamp.





5.Remove the sealing cover of the C port of the overflow cross assembly. Put the drain pipe into the clamp, insert it into the C port of the overflow cross assembly, and lock it with the clamp.



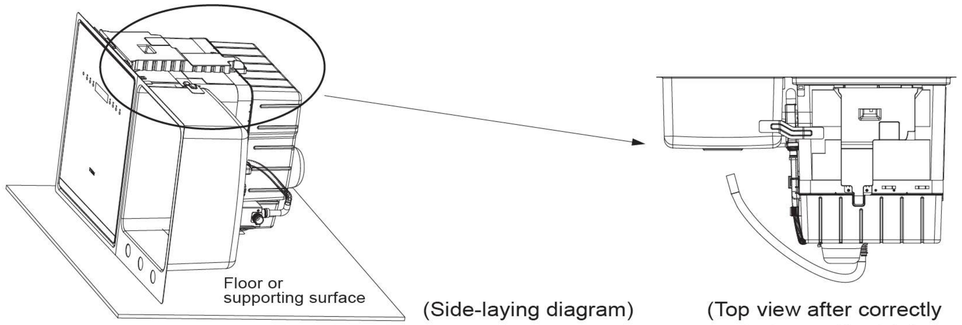
6.The included piping connections are complete. Please refer to Step 4 to finish the remaining installation.

■ Option D: With garbage disposal—With Air Gap

There are two ways to install a garbage disposal, please choose according to your actual situation. This scenario illustrates ① and ② of method 1 as examples. If you choose method 2, please refer to steps 4 to 6 first, and complete the installation in combination with ① and ② in this scenario.

Installation method	Description	Advantages	Disadvantages
Method 1	①Install the garbage disposal first→ ②Complete the pipeline connection between the dishwasher and the garbage disposal→ Put it in the cabinet→ Finish the remaining pipeline connection	Some pipe connection operations are completed outside the cabinet and are relatively comfortable	Put the dishwasher and garbage disposal in the cabinet together, which is heavier and requires two people to operate
Method 2	Put the dishwasher into the cabinet first→ Install the garbage disposal→ Complete all pipeline connections	Can be completed independently by one person	It is necessary to squat down to complete all pipeline connections in the cabinet, which is low in comfort

Place the product on its side with the door lock facing up. And remove the drain pipe from the fixed bracket to facilitate subsequent installation.



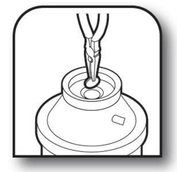
(Side-laying diagram)

(Top view after correctly placing on its side)

1.Properly install the garbage disposal on the sink to ensure a tight and leak-free installation.
Note 1: If you use a new garbage disposal, be sure to remove the inner cover, otherwise the dishwasher will not be able to drain water, causing a fault error.

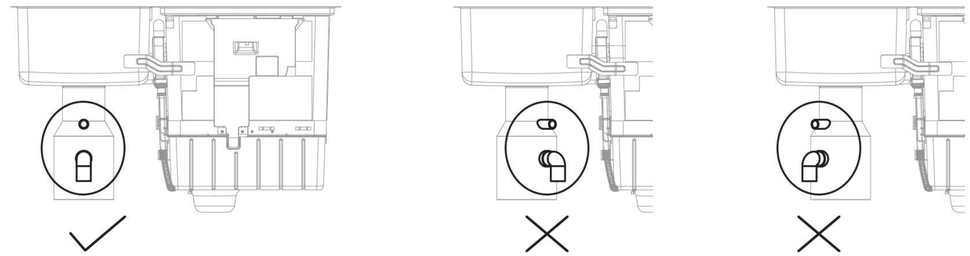


a.Use a hammer and screwdriver to open the drain inlet of the garbage disposal to the dishwasher.

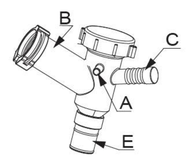


b.Remove the inner cover with pliers.

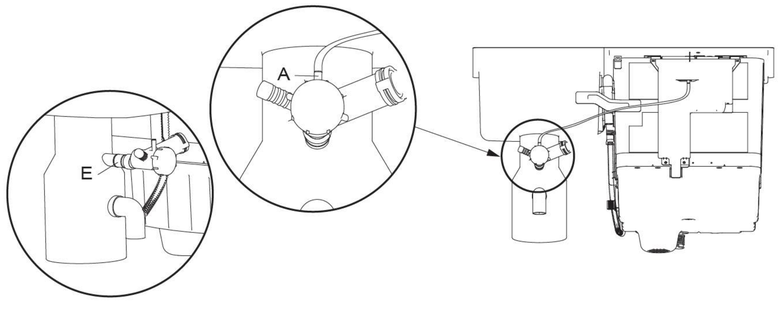
Note 2: After completing the installation of the garbage disposal, please make sure that the dishwasher drain inlet and drain outlet of the disposal are pointing directly upwards (that is, it is facing the direction of the cabinet door after putting it into the cabinet), otherwise it will affect the subsequent pipeline connection.



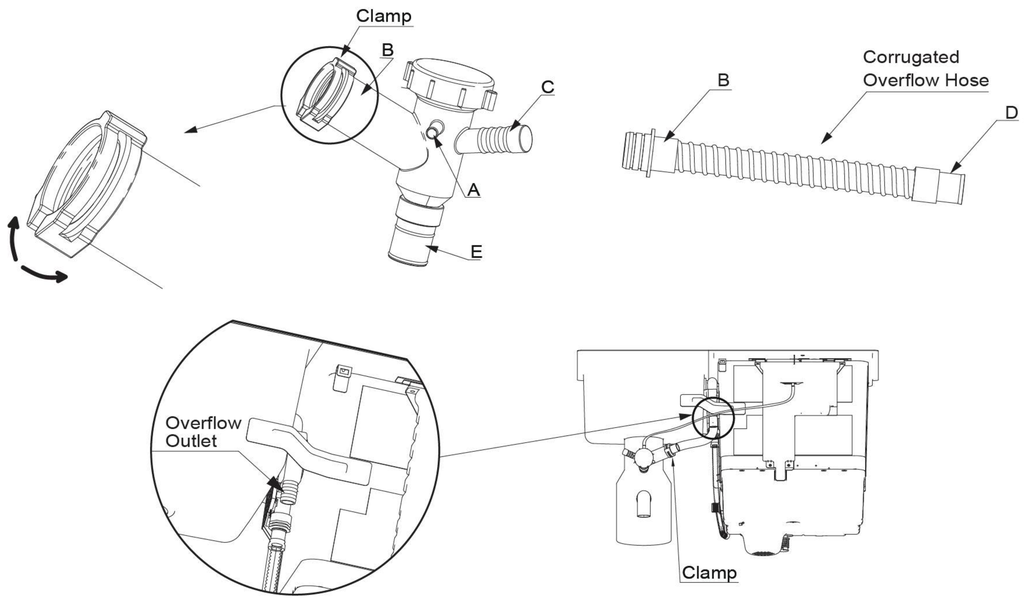
2.Put the rubber joint E of the overflow cross assembly on the clamp and insert it into the garbage disposal. Note, make sure that the A port points to the sink after insertion. Snap the clamp tightly.
3.Connect one end of the rubber hose to the drip hole under the door lock, and the other end to the overflow cross assembly A entrance.



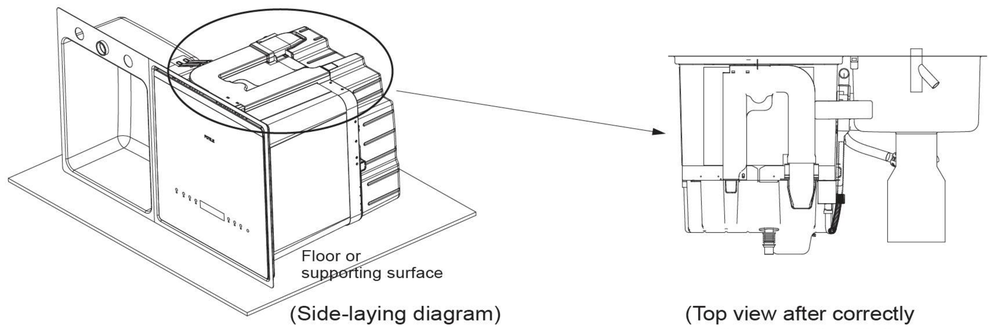
Overflow Cross Assembly



4.First, put port D of the corrugated overflow hose into the clamp, then put it into the overflow outlet of the dishwasher, and clamp it tightly with the clamp;
Remove the clamp of the overflow cross assembly B port according to the arrow direction in the figure below, insert the corrugated overflow hose B port into the B port of the overflow cross assembly, and lock it with the removed clamp.



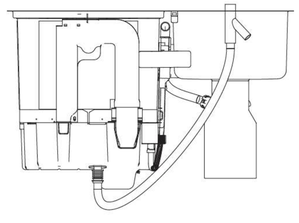
5.Rotate the product onto its side, ensuring the sink opening is oriented horizontally. Install the Air gap at any sink opening as needed (remove the cut-out cover first).



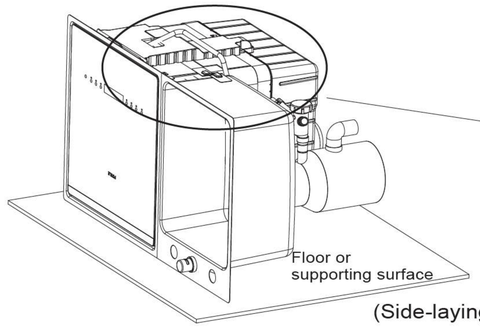
(Side-laying diagram)

(Top view after correctly placing on its side)

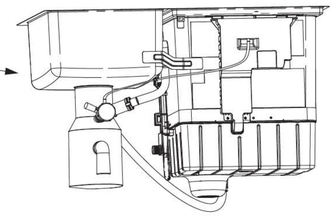
6.Insert the clamp at the drain pipe joint, connect the drain pipe to the air gap, and use the clamp to lock it.



7.Turn the product over and place it on its side with the door lock facing up.



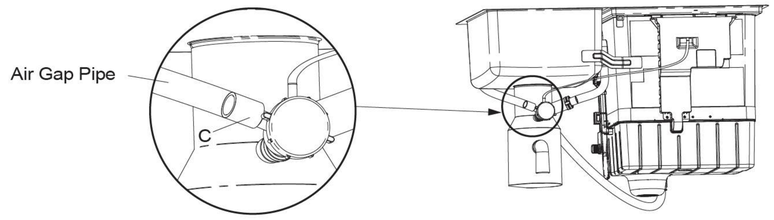
(Side-laying diagram)



(Top view after correctly placing on its side)

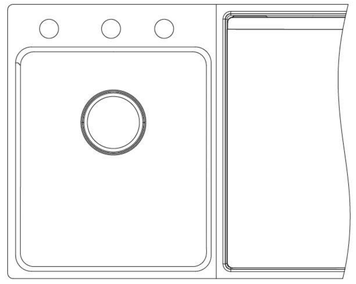
Remove the sealing cover of the C port of the drain pipe assembly. Insert the air gap pipe into the C port of the drain assembly and lock it with a clamp.

Note: Please cut the air gap pipe appropriately to ensure that the pipe is connected to the C port at the shortest distance. Otherwise, when the dishwasher drains, there may be an air gap overflow.



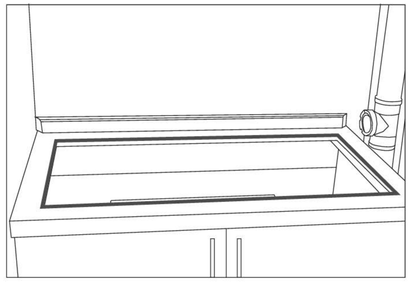
8.The included piping connections are complete. Please refer to Step 4 to finish the remaining installation.

Step 4: Install the faucet and tee.



1. Install the faucet and fasten it (if necessary, please unscrew the cut-out protective cover).
2. Connect the tee at the cold water angle valve.

Step 5: Countertop cutout、Cleaning and gluing the countertop



1. Secure the cutting template firmly to the countertop.Trace the cut line onto the countertop using a fine-point marker.Remove the template.Cut exactly ON the traced line.
2. Clean the installation surface.
3. Apply glass glue along the edge of the installation hole and ensure that the glass glue is continuous.

Step 6: Place in-sink dishwasher

Put on protective gloves and place the in-sink dishwasher into the opening.

Note: Do not hold the faucet when lifting the dishwasher to prevent the faucet from loosening and causing water leakage.

Step 7: Connect the water loop

1. Connect the cold and hot water pipes of the faucet correctly.
2. Connect the water inlet pipe of the in-sink dishwasher to the cold water valve tee and tighten it.

Note: The water inlet of in-sink dishwasher must be connected to cold water.

3. Complete the installation of the remaining pipelines.
4. Open the angle valve to ensure that there is no water leakage at each connection.

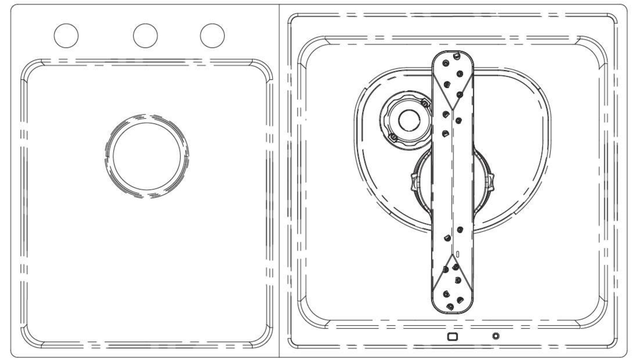
Step 8: Connect the power supply and insert the plug into a 120V power supply.

Step 9: Check the pipeline

1. Check whether the pipe connected to the tank is leaking.
2. Check whether the pipes connected to the function tank are leaking.

Step 10: Finishing

1. Apply glass glue along the edge of the product to ensure that the gap with the countertop is sealed.
2. Press the door opening button to open the door, and take out all objects from the tank.
3. Place the filter panel assembly.
4. Install the spray arm: Pinch the gray buckle under the spray arm, put it to the position shown in the figure and rotate clockwise. After hearing a "click" sound, move the spray arm and make sure it rotates smoothly.



5. Complete the installation.