



Orbital Service Handbook

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Color variants

Some components are available in several color variants. The kits with black components are marked with **BK** at the end of the kit number.

This applies to the Control Dial, Panel door, head- and hand shower, and external components kits.

Core

1a. Swap Core - Panel

This instruction shows how to swap the Core in a Panel installation, where the Core is installed in the shower area. Follow the instructions in detail, and don't hesitate to reach out if you have any questions - support@orbital-systems.com.

Use one of the kits below to swap the Core.

1-04-0113 - Swap R3 Core kit:

Core

Filter Capsule

or

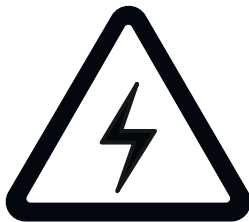
1-04-0182 - Swap R3 refurbished Core kit:

Core Refurbished

Filter Capsule

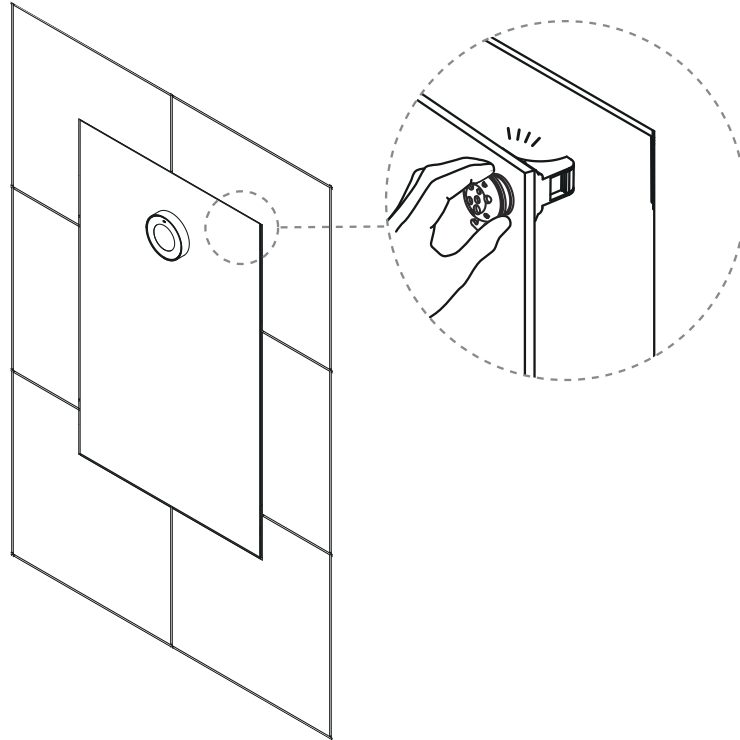
Dismantle Core

1. Turn off the power.

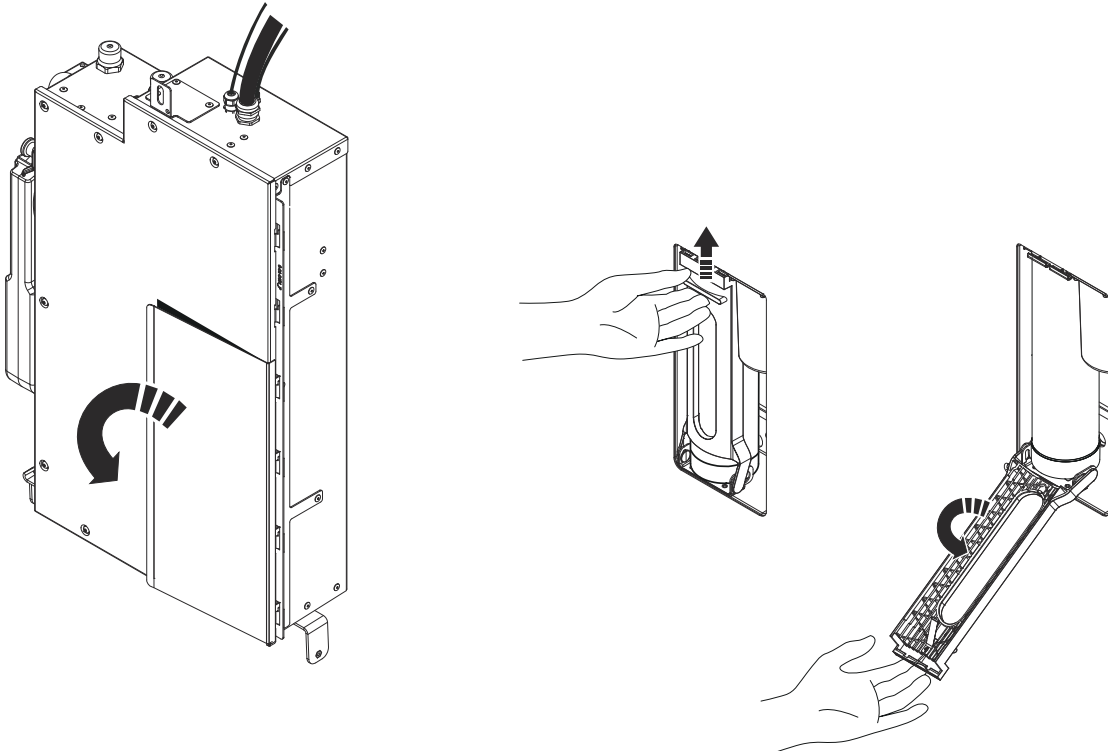


-
2. Turn off the incoming hot and cold water.

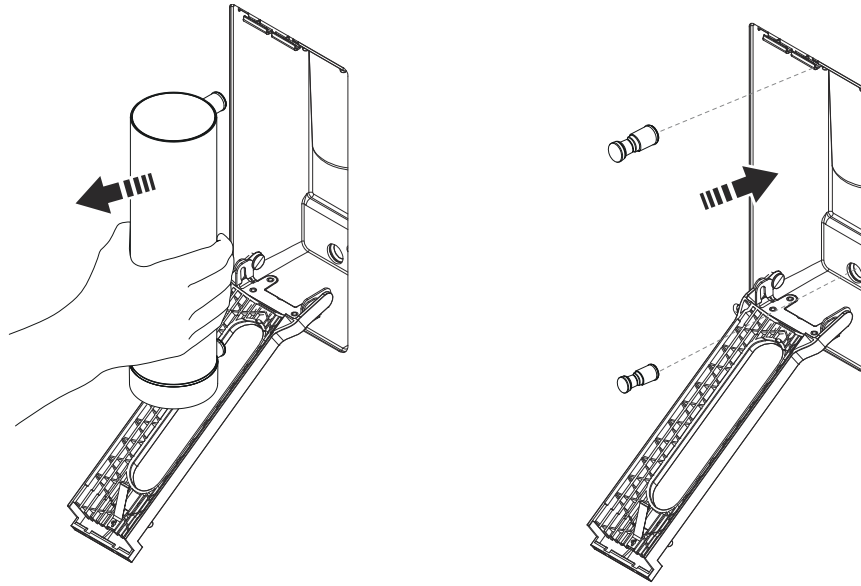
3. Open the Panel door.



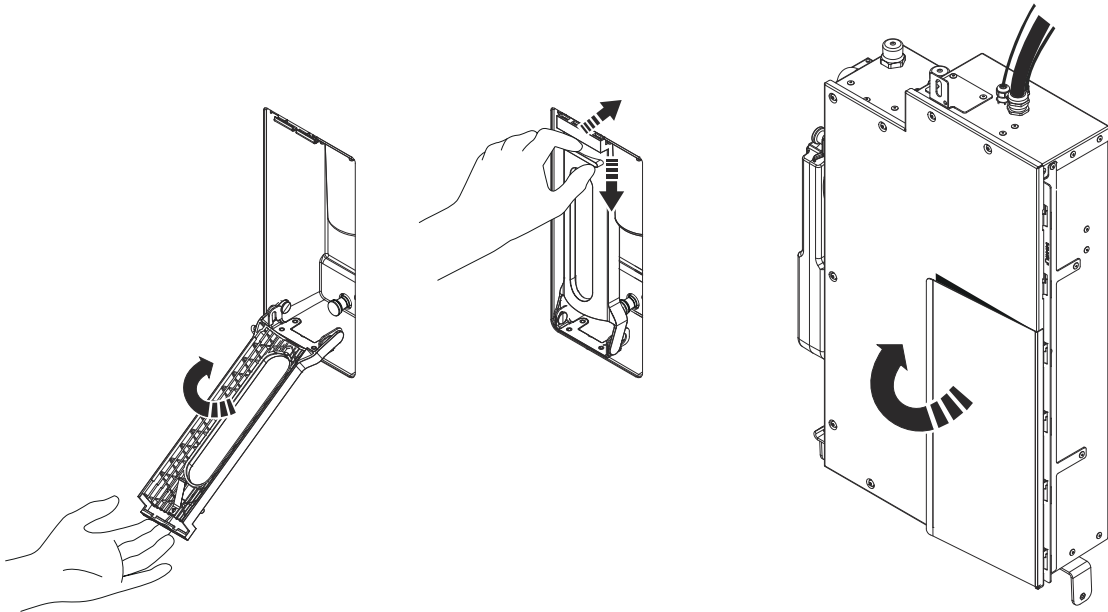
4. Open the door on the Core and release the Filter hatch.



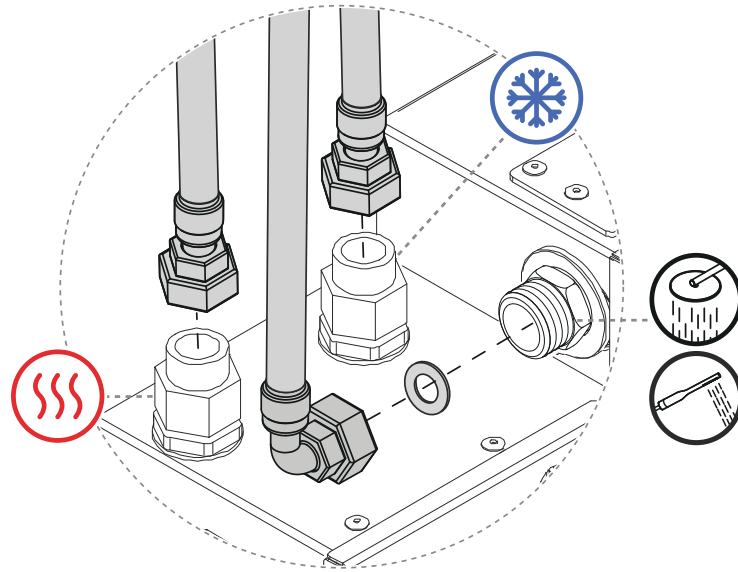
-
5. Remove the Filter Capsule. Use the plugs from the Filter hatch in the new Core and transfer to the old one. The larger plug should be placed in the upper bracket, and the smaller plug in the lower one.



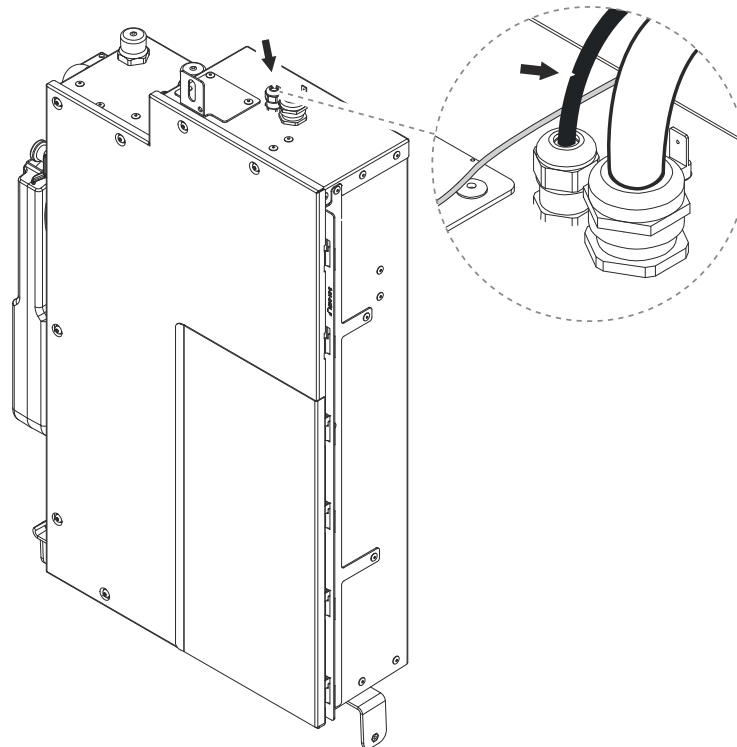
-
6. Close the hatch and the door.



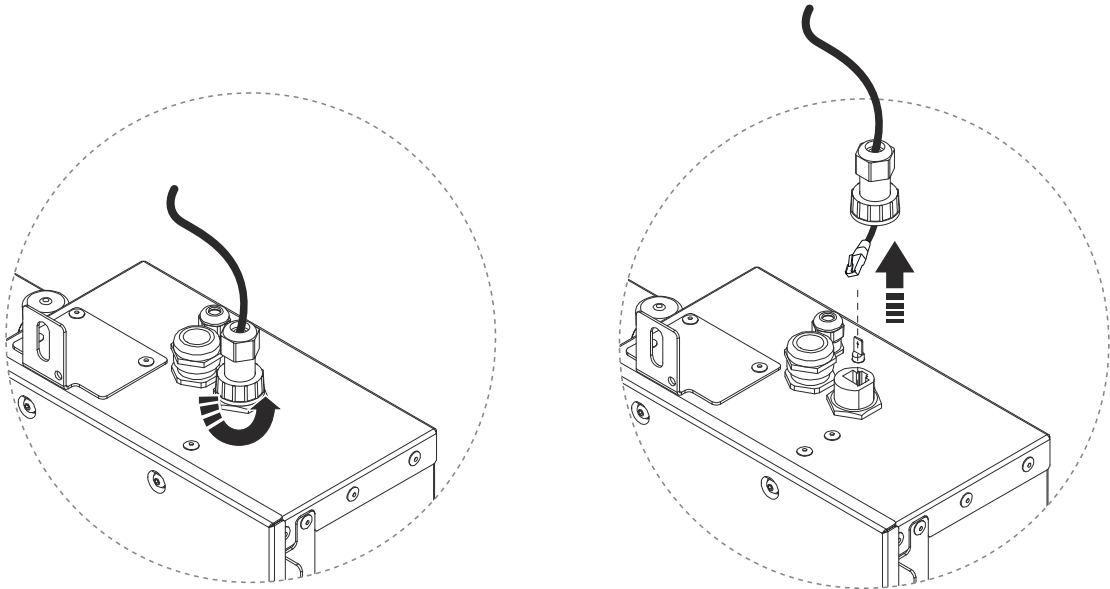
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7. Disconnect the shower water connection (outgoing). Then, disconnect the water connections for incoming hot and cold water. Wipe off any remaining water that drains from the pipes.



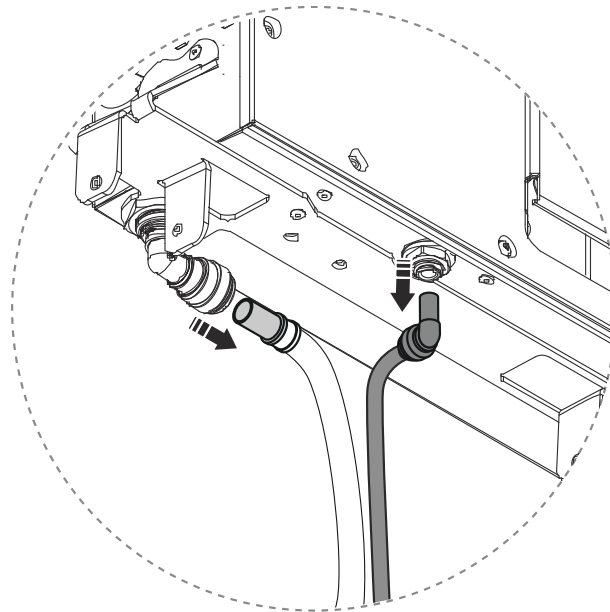
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8. Disconnect the WiFi antenna cable.



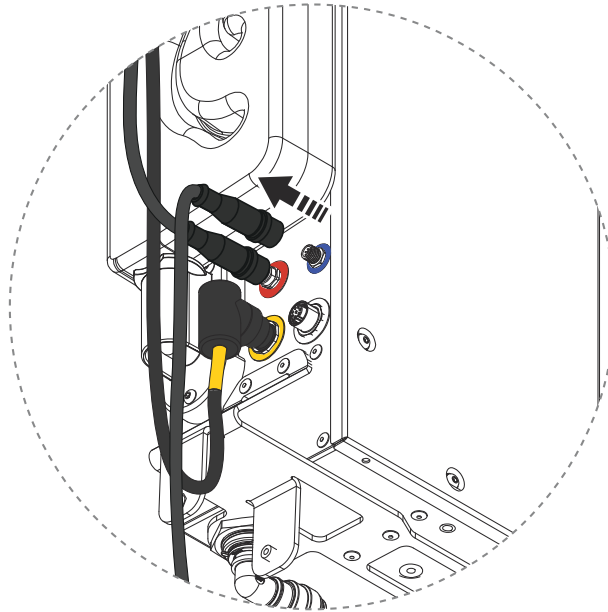
For Ethernet installation: Unscrew the protective cover and disconnect the Ethernet cable.



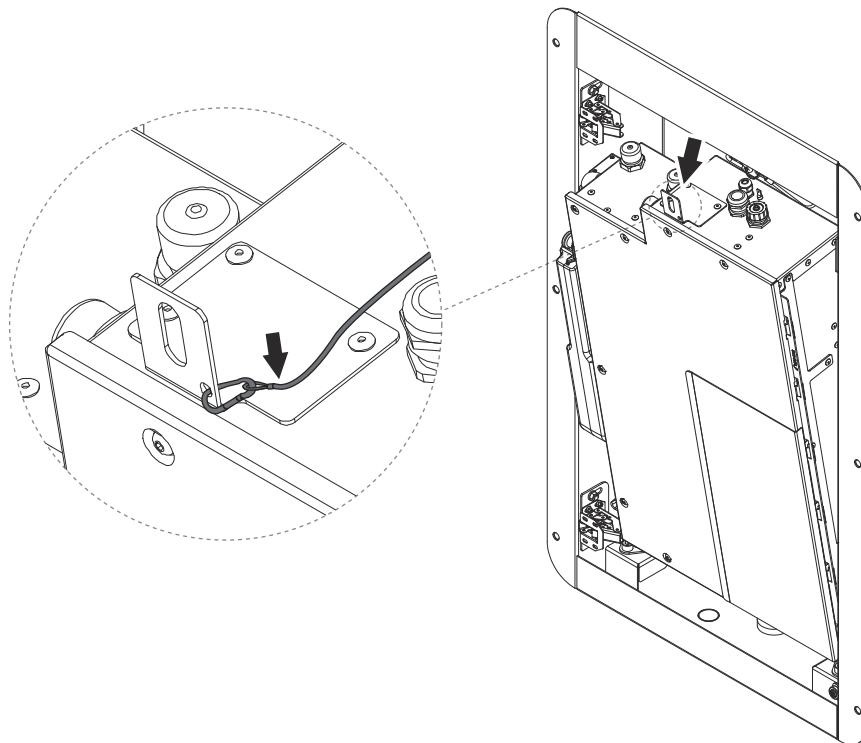
9. Disconnect the flush hose and recirculation hose from the bottom of the Core.



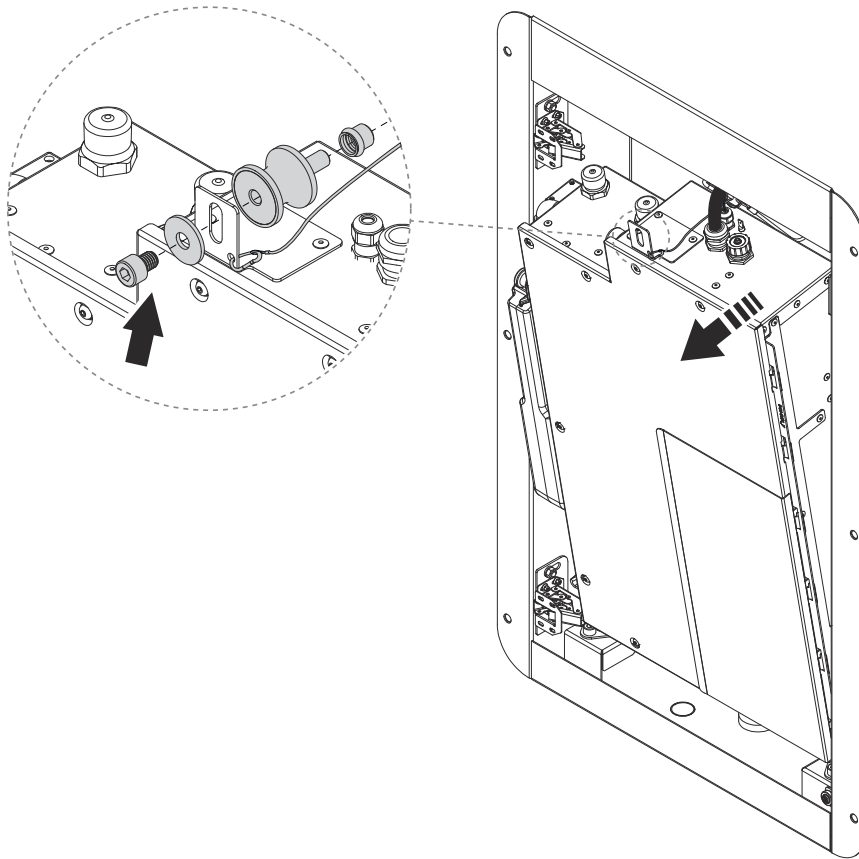
-
- 10.** Disconnect the Sensor Tank and Control Dial (red and blue connector). For installations with Orbital Audio, also disconnect the amplifier (yellow connector).



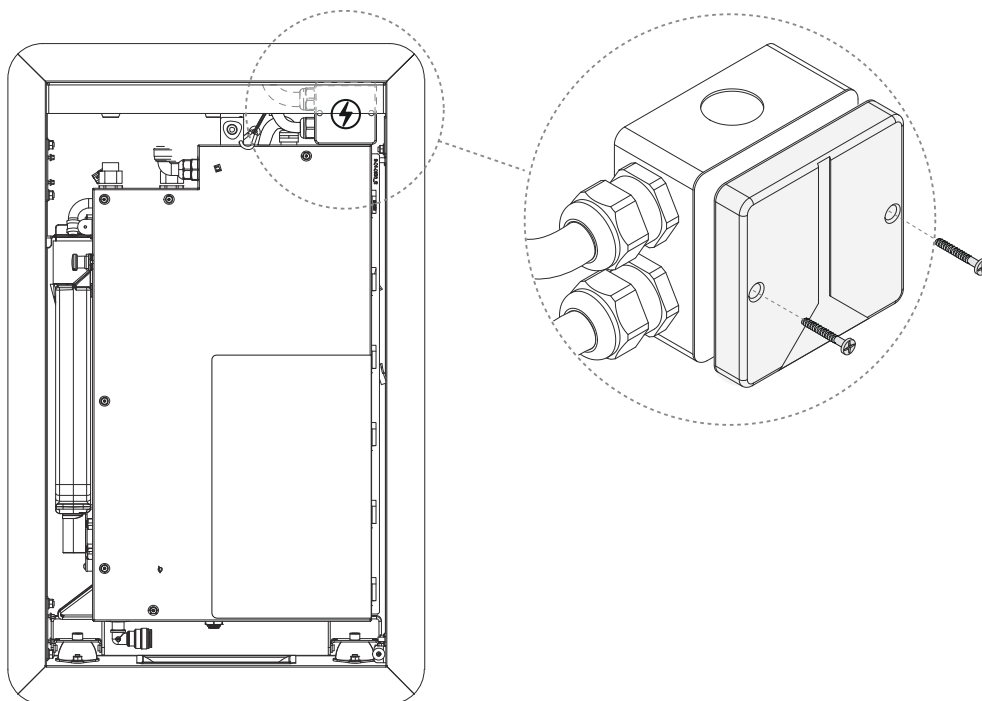
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- 11.** Make sure the safety wire is connected to the Core and Wall Box.



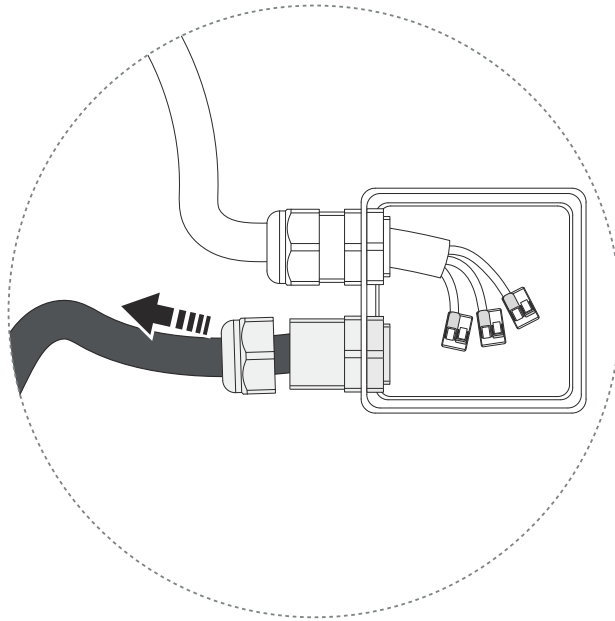
-
- 12.** Unscrew the Core from the top vibration damper and gently lean it forward until the wire is fully extended and holds the Core.



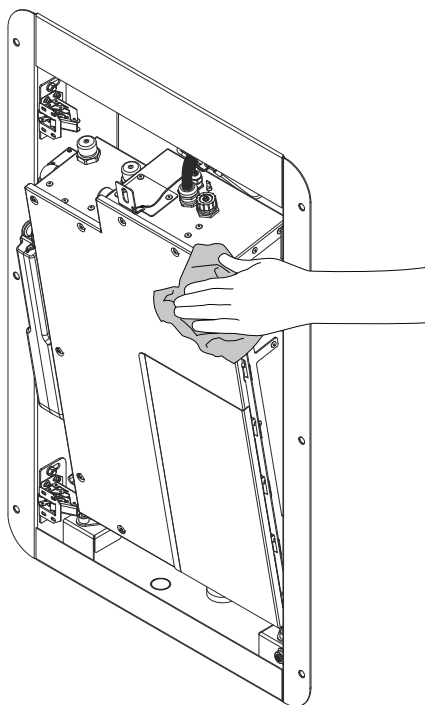
-
- 13.** Make sure the power is off. Then unscrew the lid of the electrical box and set it aside.



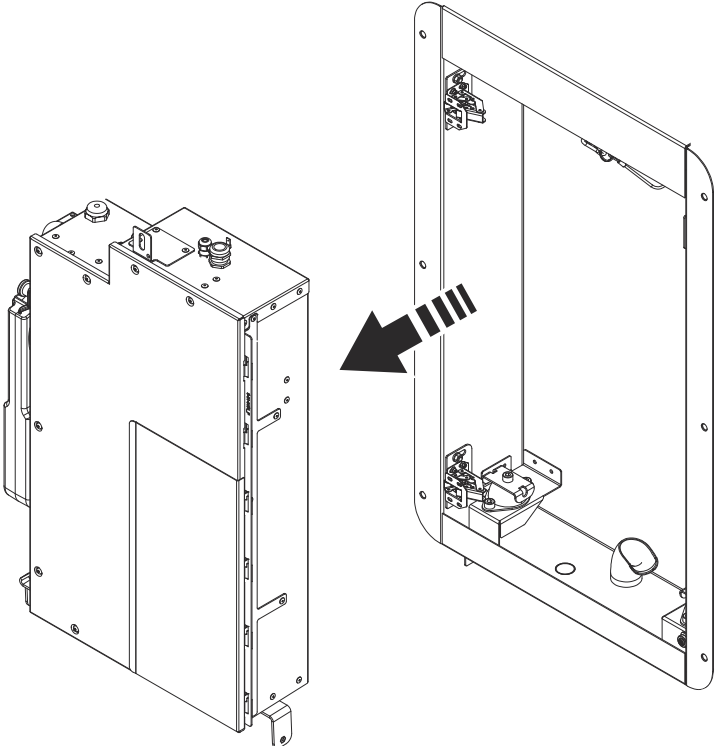
-
- 14.** Loosen the strain relief. Disconnect the cables and pull out the power cable to the Core from the electrical box.



-
- 15.** Wipe off the Core thoroughly. This is important to ensure a proper grip when lifting it out.



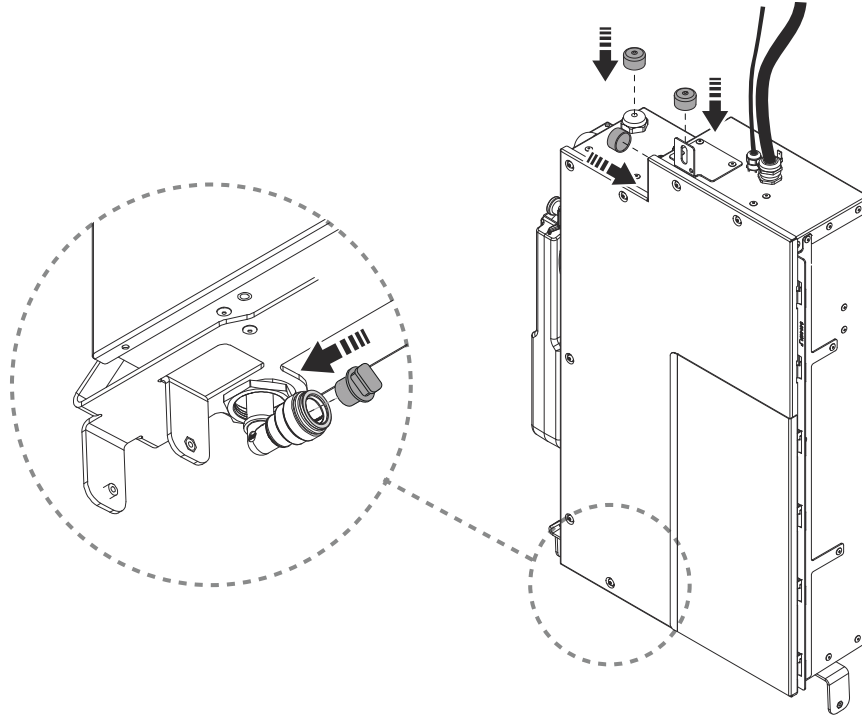
16. Disconnect the safety wire and lift out the Core. Put it in a safe and stable place.



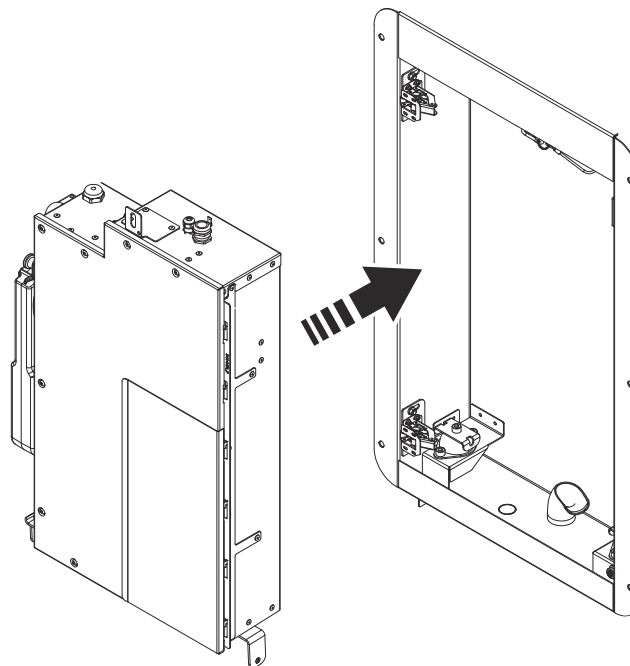
Install Core

Take the new Core out of the packaging and put it in a safe and stable place. Make sure the packaging is saved in good condition - it should be reused when returning the replaced Core.

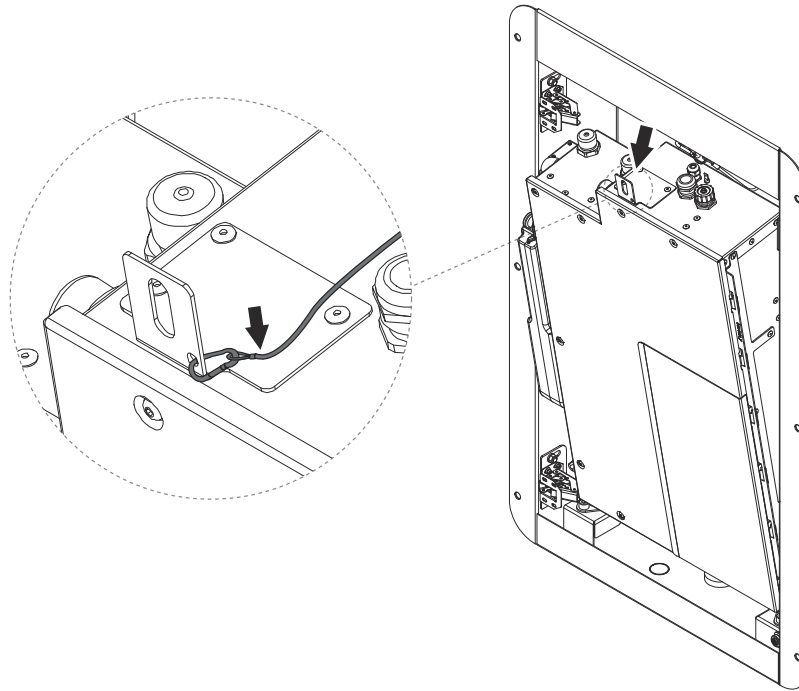
1. Transfer the transport plugs from the new Core to the old one.



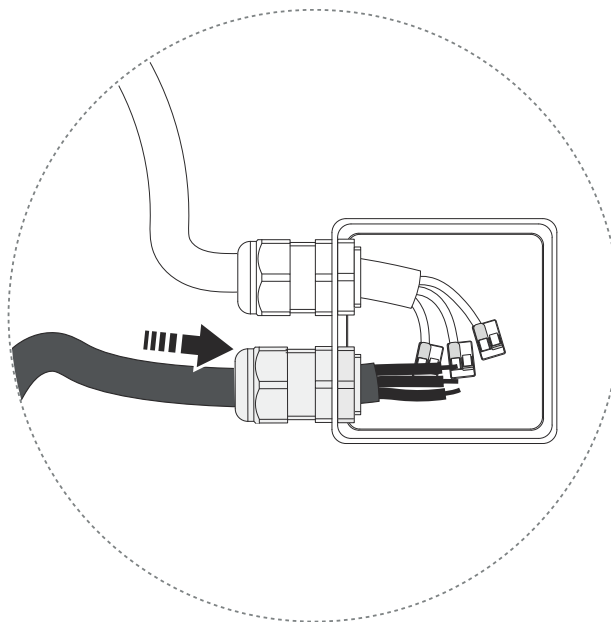
2. Place the new device in the Wall Box. The Core should click all the way into the vibration damper.



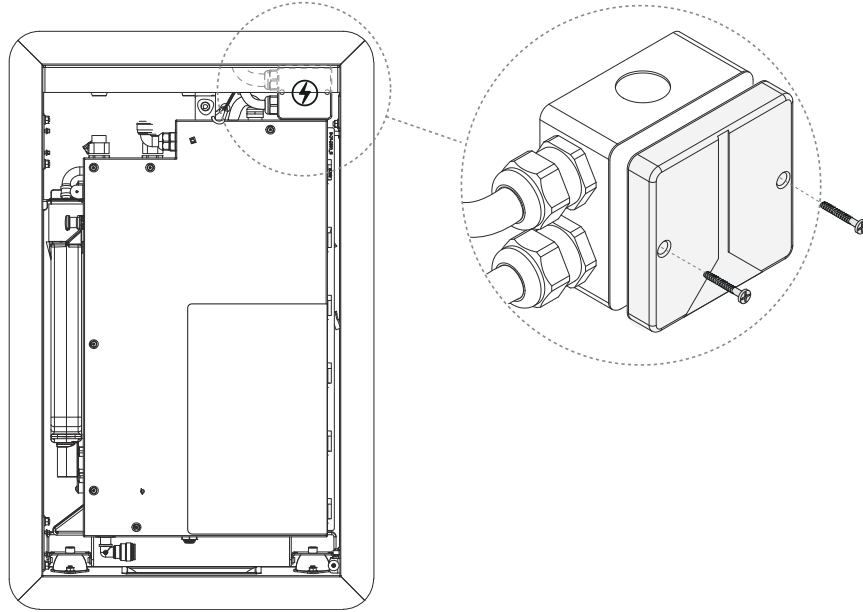
-
3. Attach the safety wire to the Core and keep it in the tilted position.



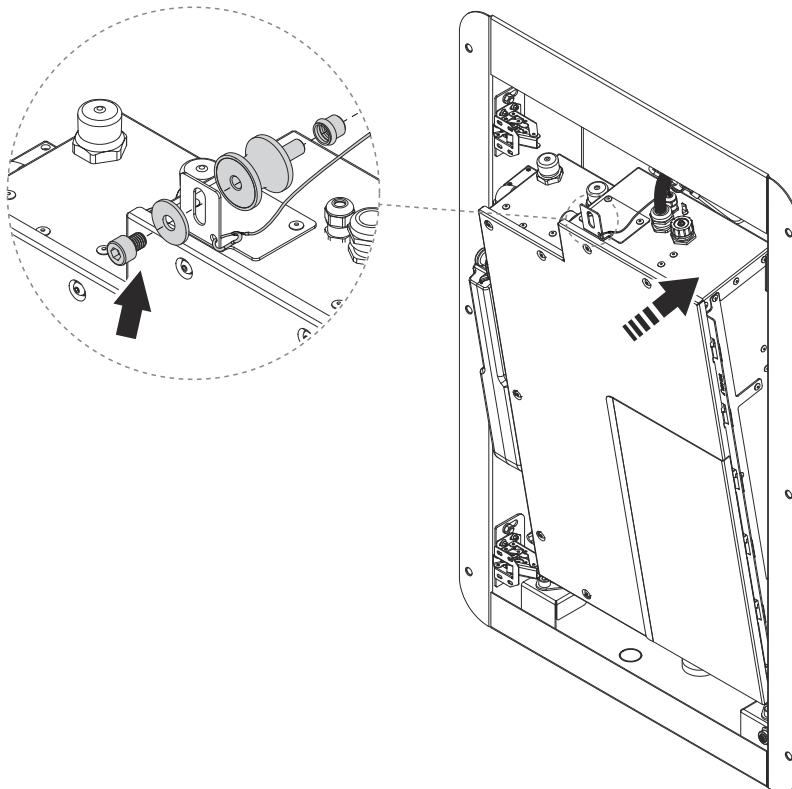
-
4. Feed the stripped part of the electrical cable into the electrical box and tighten the strain relief.



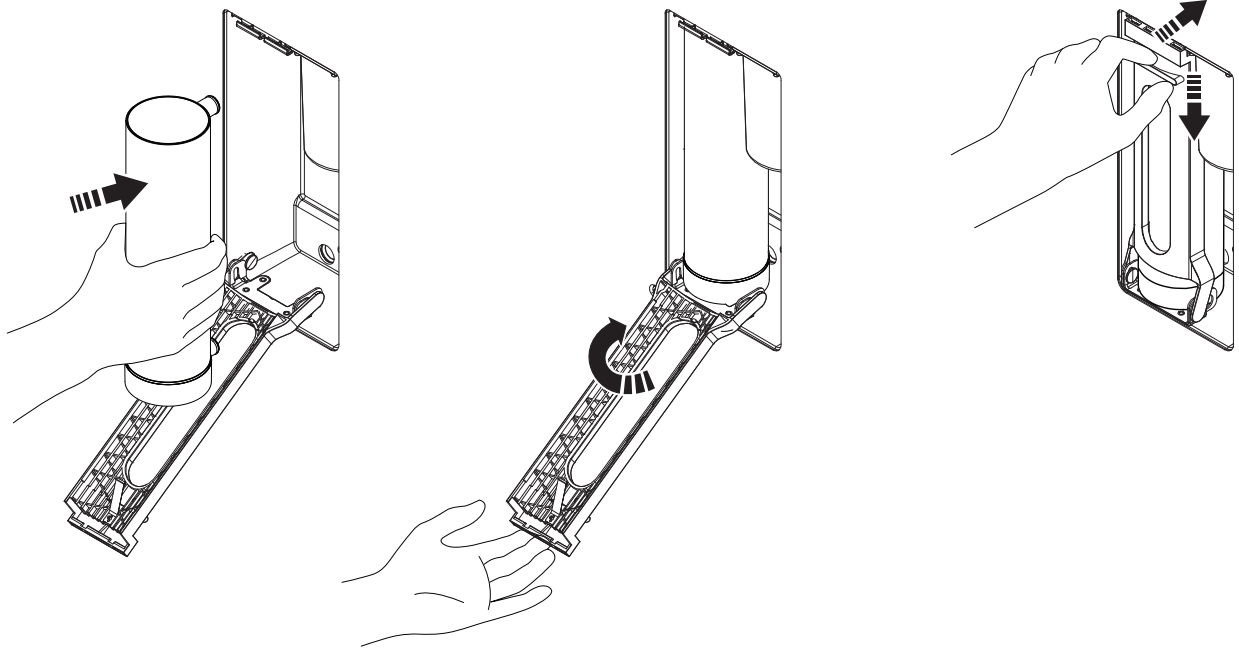
-
5. Connect the cables and screw the lid back to the electrical box.



-
6. Lean back and screw the Core onto the vibration damper. Make sure the electrical cable is placed behind the hot water pipe without any sharp bends, and make sure it is not pinched behind the Core.



7. Open the Filter hatch and insert a Filter Capsule.

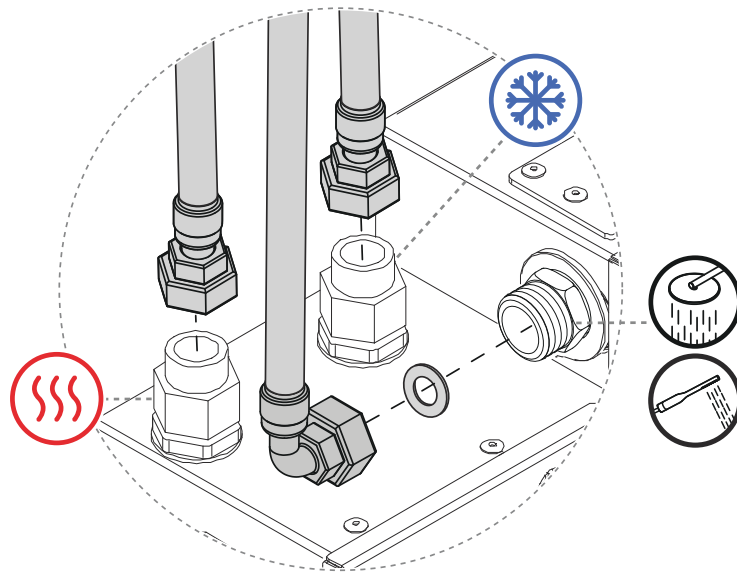


8. Connect the hot and cold water connections. Then connect the shower water connection to the Core.

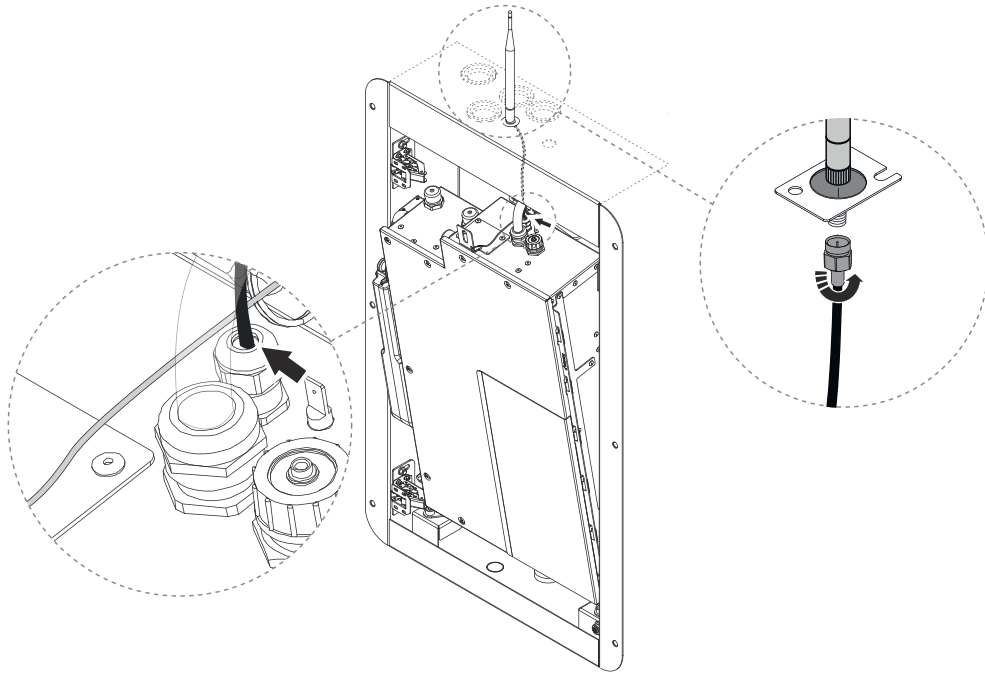


CAUTION

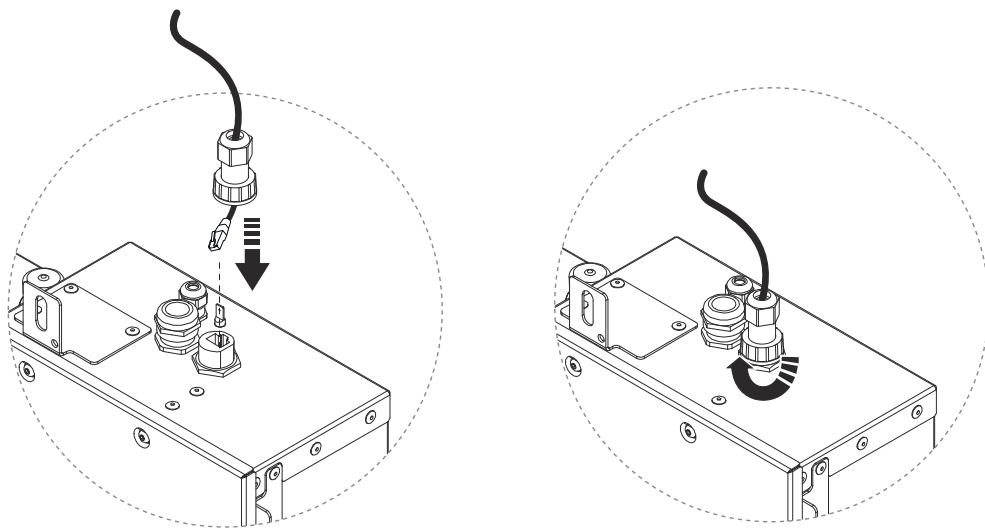
Make sure the gaskets are in good condition and have no damage.



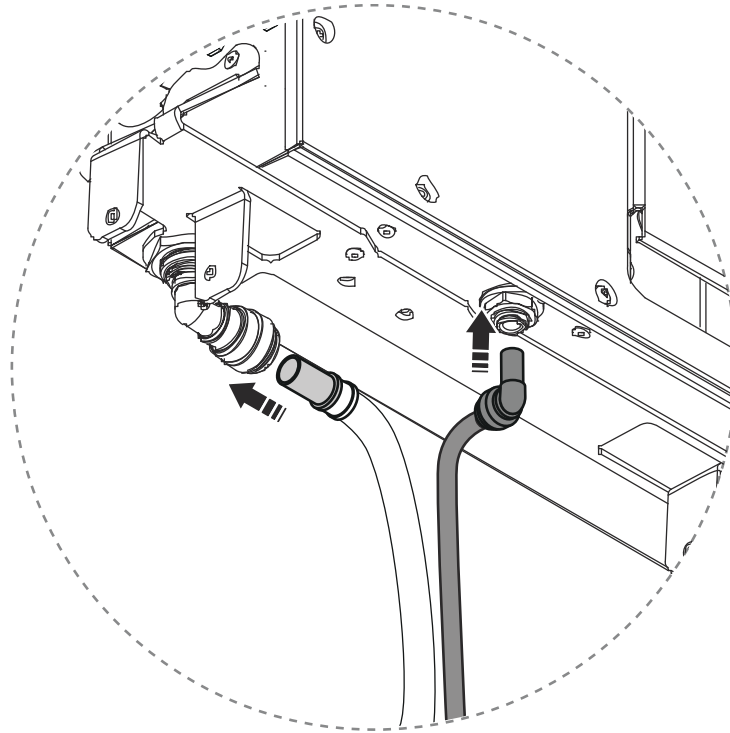
9. Connect the Wi-Fi antenna cable.



For Ethernet installation: Unscrew the protective cover and connect the Ethernet cable.



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- 10.** Apply fixture grease and connect the recirculation hose and flush hose to the Core. It is important to relubricate the plug-in coupling and hose to prevent damage to the o-ring in the connection on the Core.



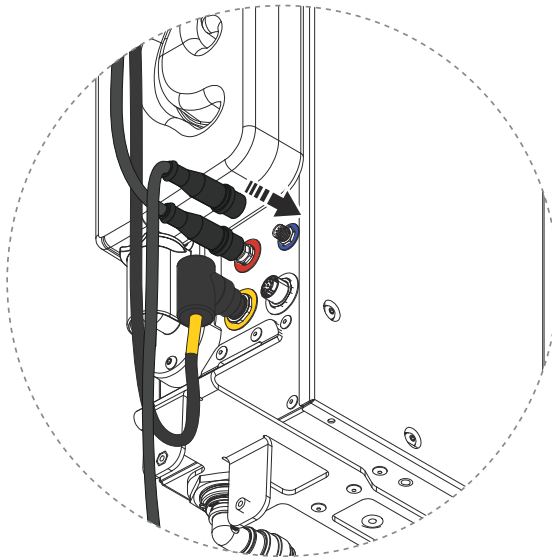
-
11. Unscrew the protective caps on the red and blue communication ports on the Core. Then plug in the Control Dial (red port) and Sensor Tank (blue port).

For installations with Audio: Unscrew the protective cap on the yellow communication port and plug in the amplifier. The contacts should be tightened by hand, and the cable to the Control Dial and amplifier should be routed behind the air gap tank.

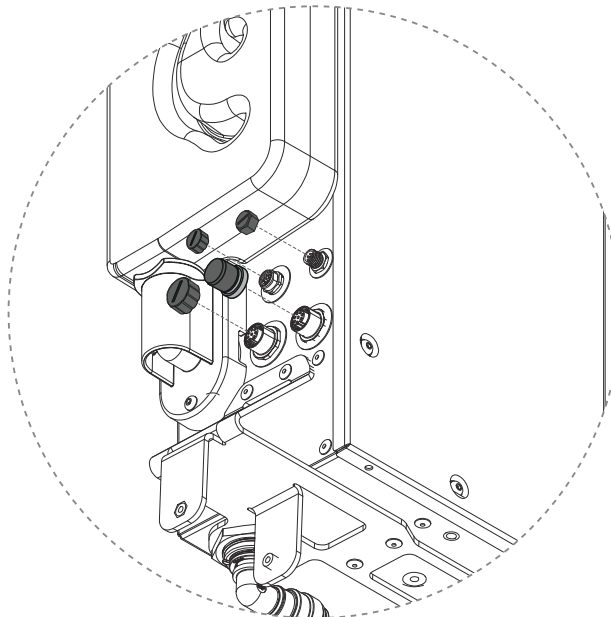


CAUTION

Ensure a proper alignment between the connector and the communication port. This must be done with special attention to prevent damage to the pins.

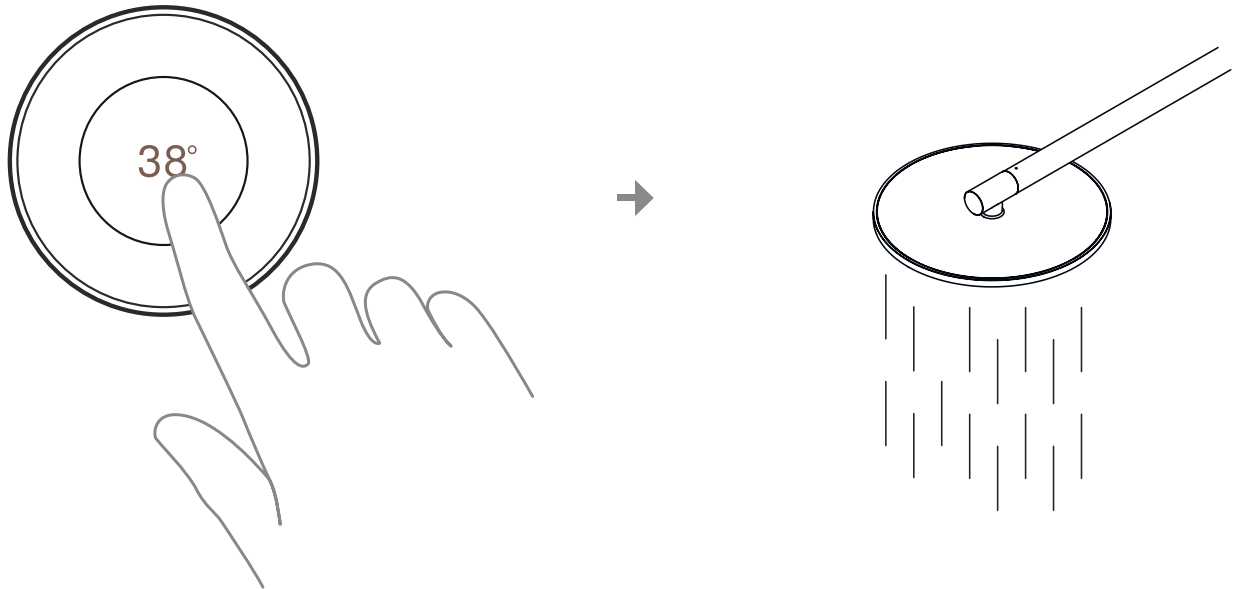


-
12. Fit the protective caps on the old Core and place it in the packaging.

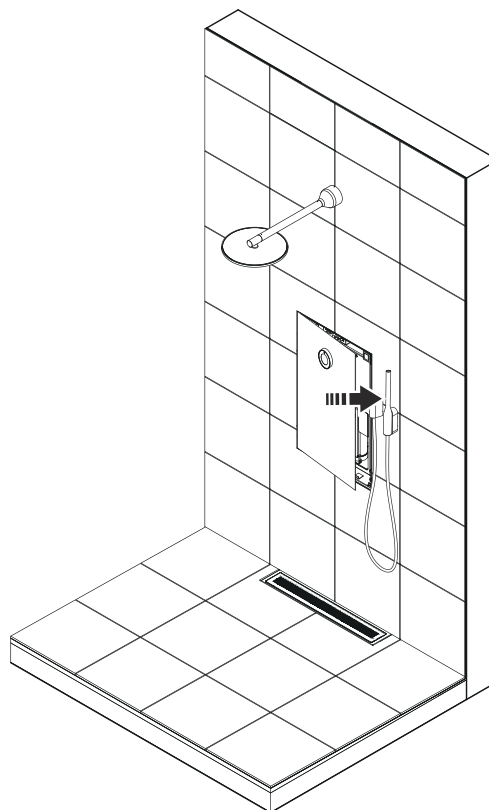


13. Turn on the incoming water. Check and fix any water leaks. Then turn on the power. It takes about 1 minute for Core to start up.

14. Start the shower and let it run for a short time. Then switch off and fix any water leaks.



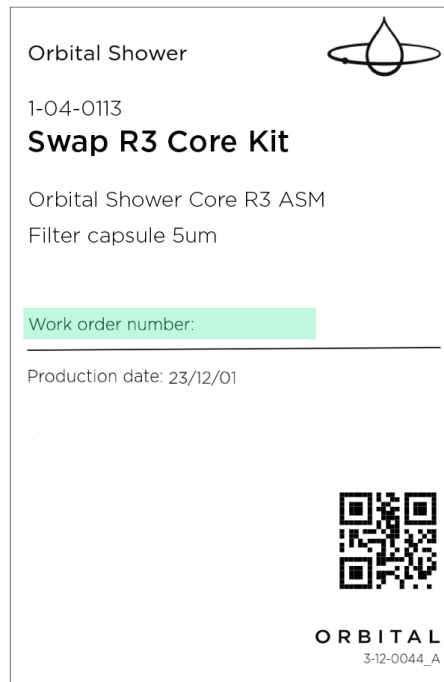
15. Close the door to the Wall Box.



16. Activate the shower. See [Shower activation \[302\]](#).

17. The replaced Core should be sent back to Orbital.

- As per the instructions, make sure the plugs and protective caps are transferred from the new to the old Core.
- Use the box from the new Core to pack the old Core.
- Record the work order number on the label if it is not already there, and contact Orbital to book the pickup.



18. Recycle any other components. ♻️

1b. Swap Core - Hatch/Cabinet

This instruction shows how to swap the Core in a Hatch or Cabinet installation, where the Core is installed outside of the shower area, inside a Wall Box. Follow the instructions in detail, and don't hesitate to reach out if you have any questions - support@orbital-systems.com.

Use one of the kits below to swap the Core.

1-04-0113 - Swap R3 Core kit:

Core

Filter Capsule

or

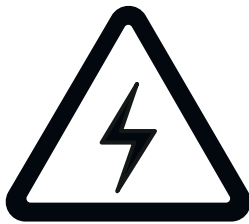
1-04-0182 - Swap R3 refurbished Core kit:

Core Refurbished

Filter Capsule

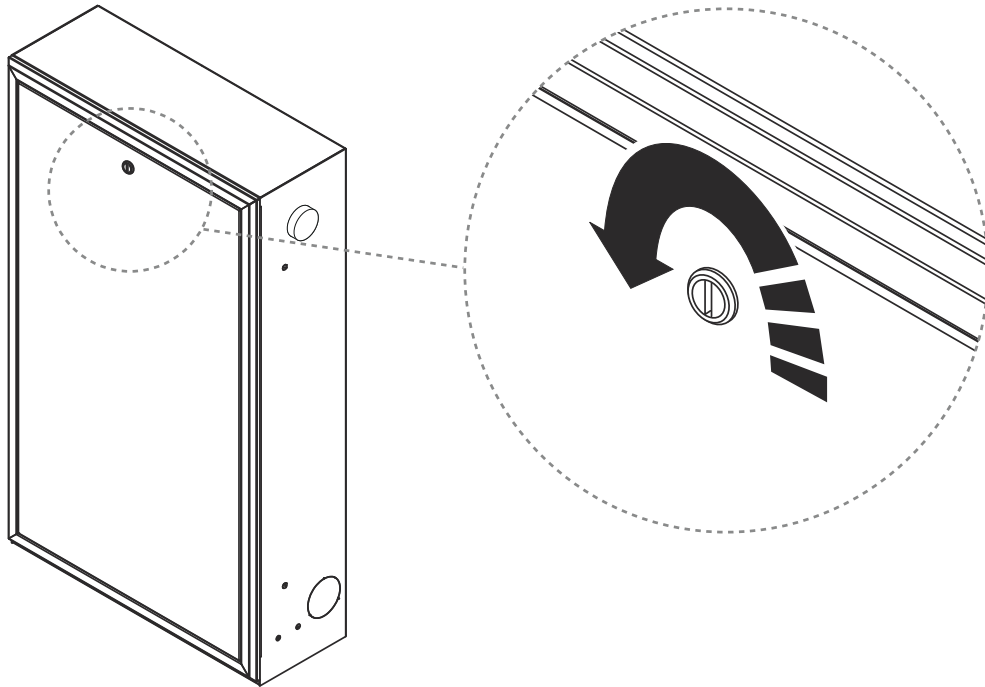
Dismantle Core

1. Turn off the power.

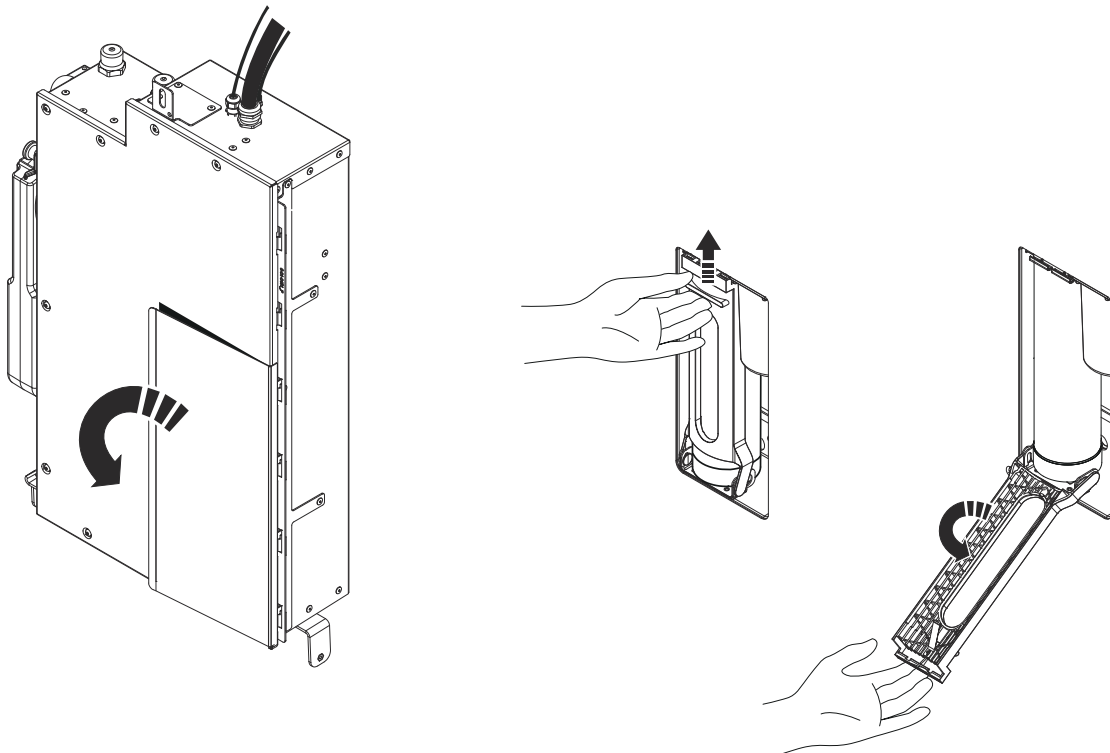


-
2. Turn off the incoming hot and cold water.

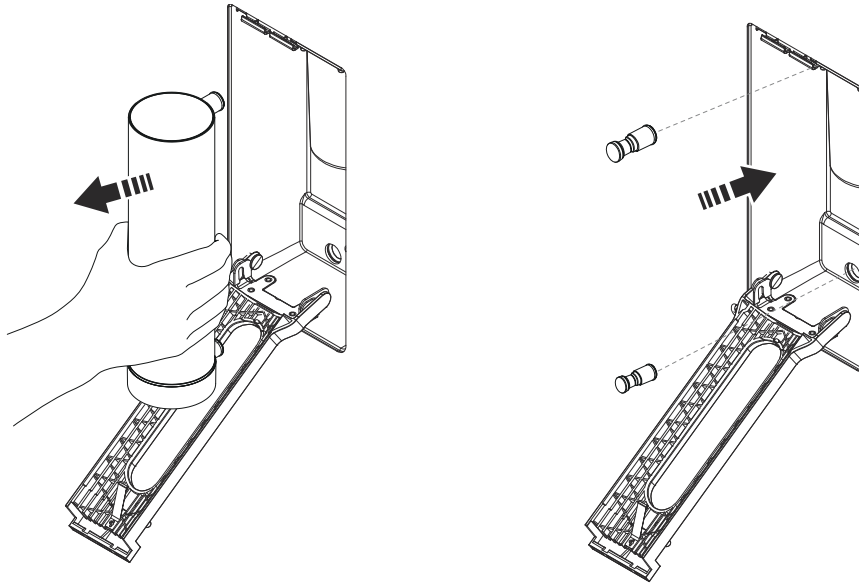
-
3. Open the door to the Wall Box and put the door and splash guards aside.



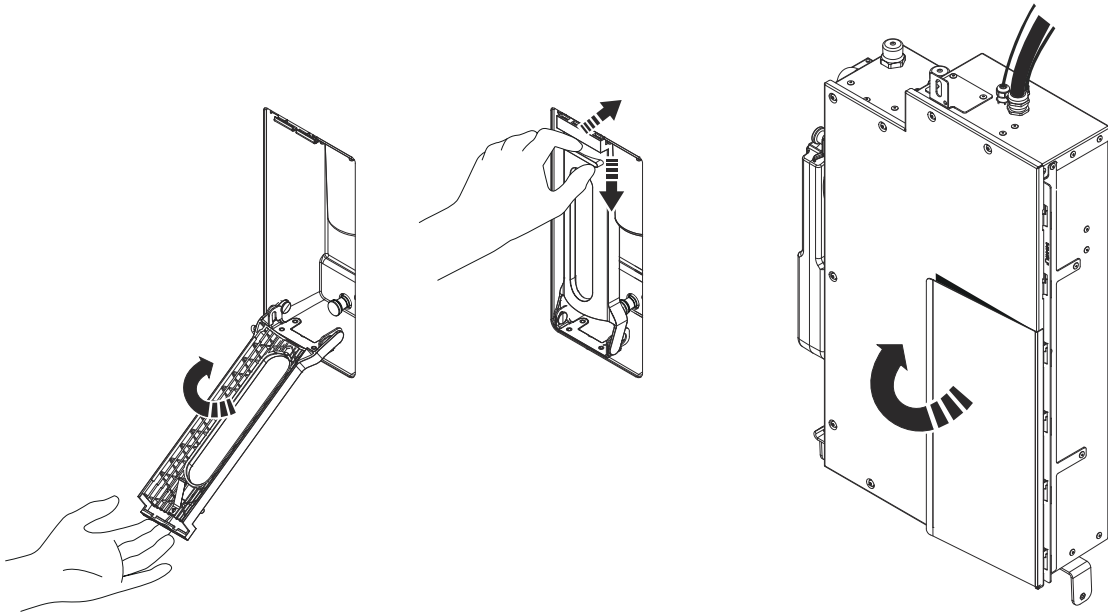
-
4. Open the door on the Core and release the Filter hatch.



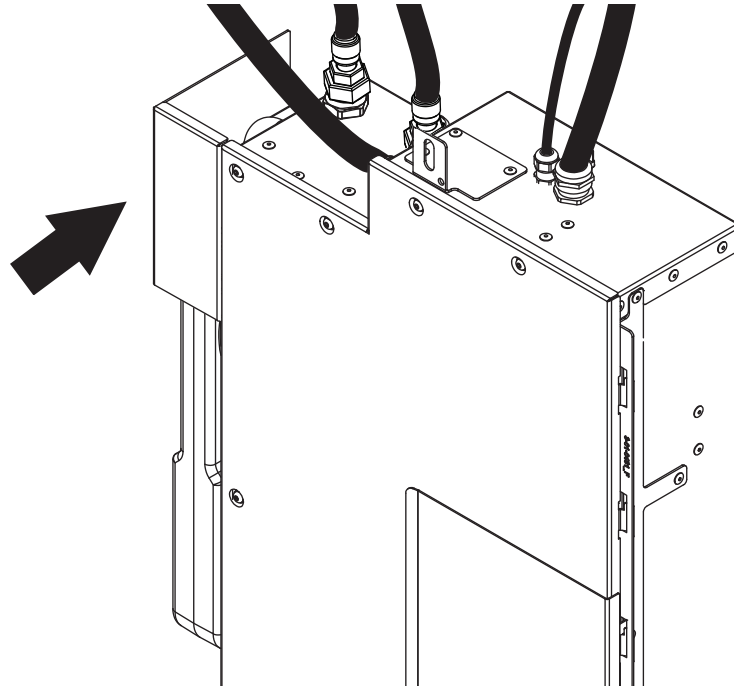
-
5. Remove the Filter Capsule. Use the plugs from the Filter hatch in the new Core and transfer to the old one. The larger plug should be placed in the upper bracket, and the smaller plug in the lower one.



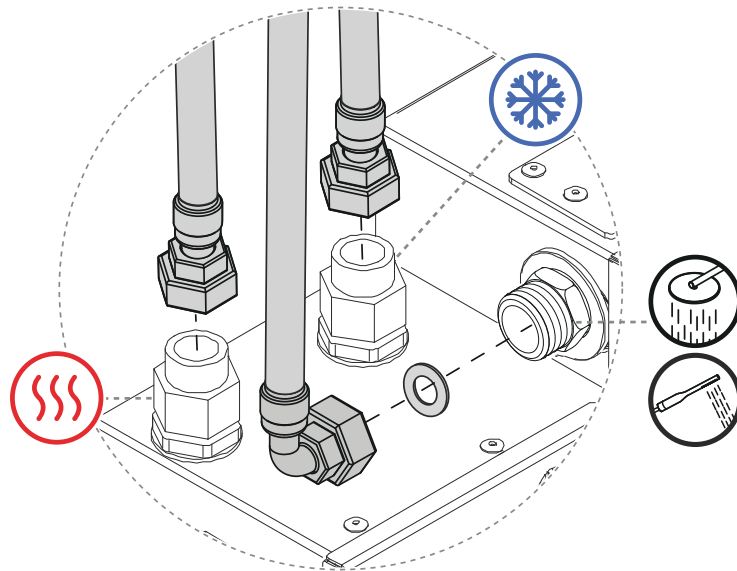
-
6. Close the hatch and the door.



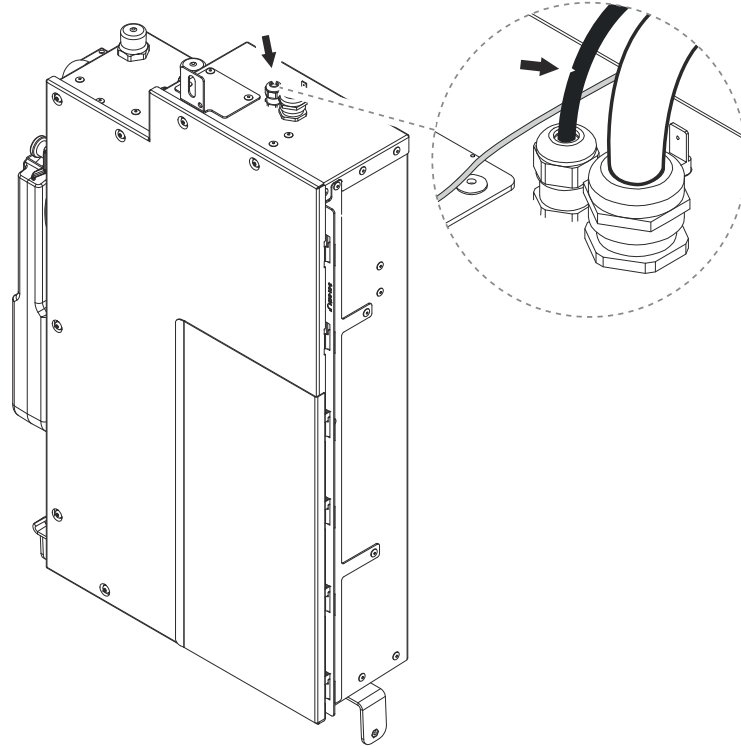
-
7. Remove the air gap tank cover and set it aside.



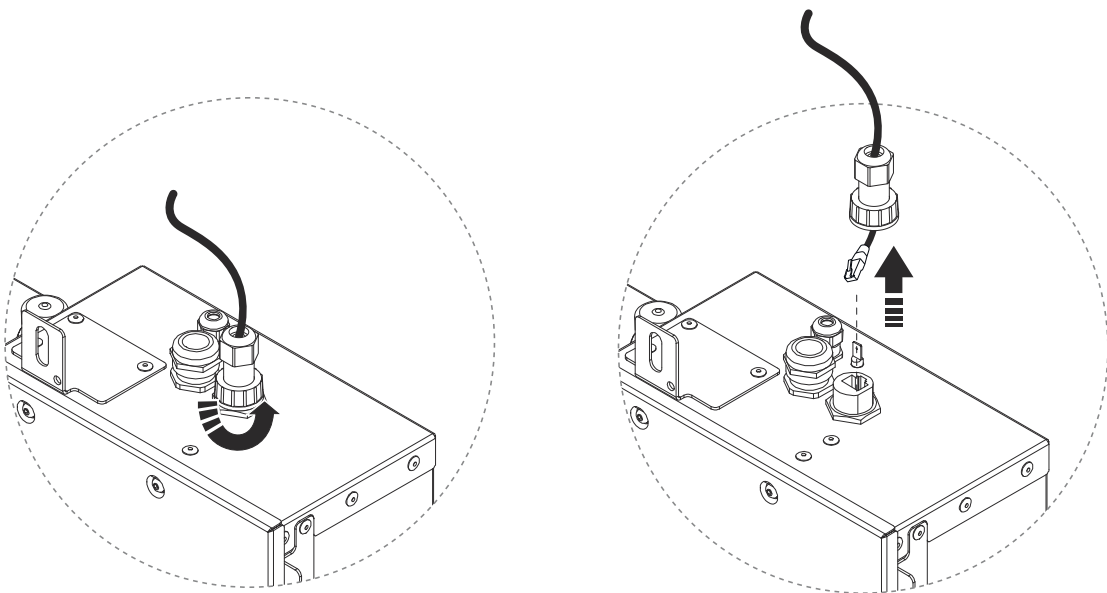
-
8. Disconnect the shower water connection (outgoing). Then, disconnect the water connections for incoming hot and cold water. Wipe off any remaining water that drains from the pipes.



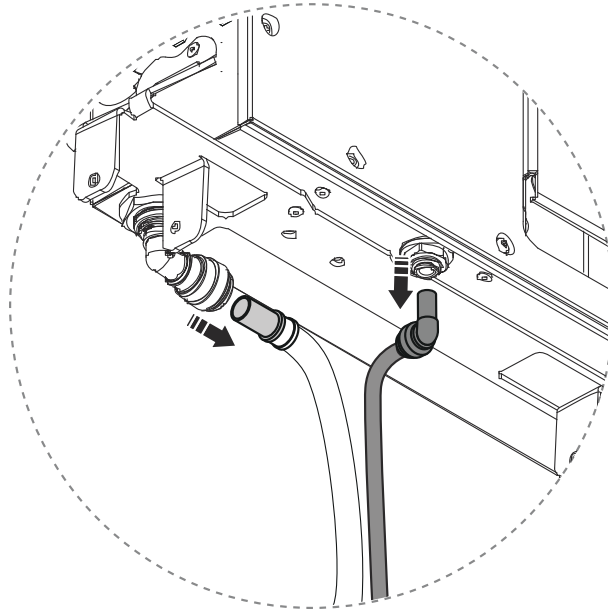
9. Disconnect the WiFi antenna cable.



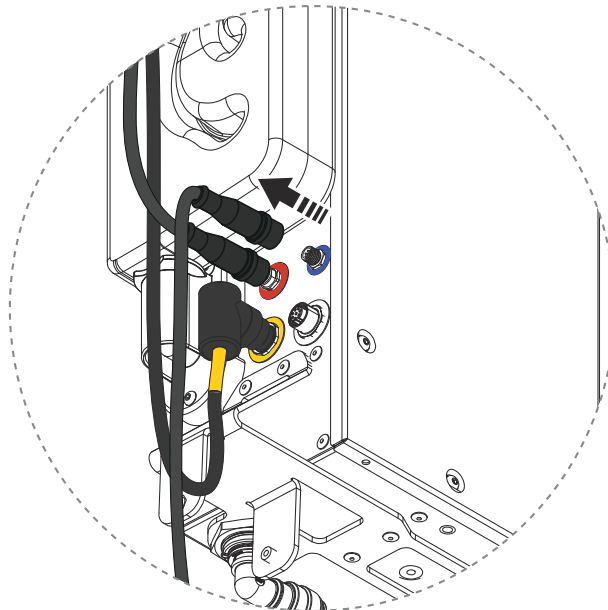
For Ethernet installation: Unscrew the protective cover and disconnect the Ethernet cable.



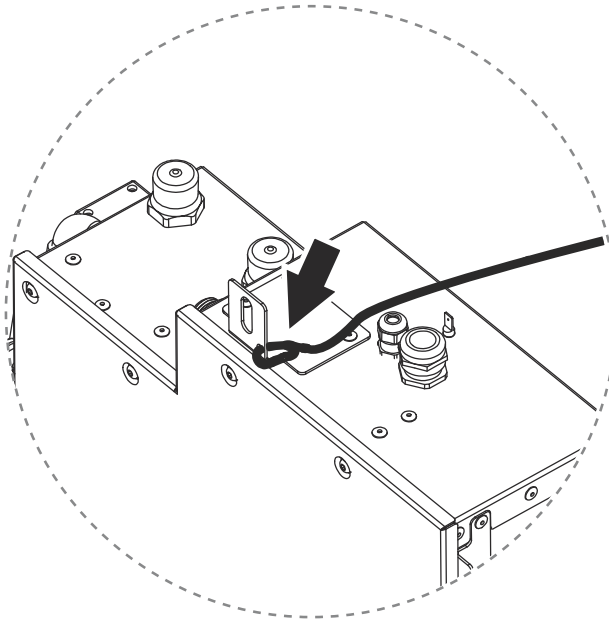
10. Disconnect the flush hose and recirculation hose from the bottom of the Core.



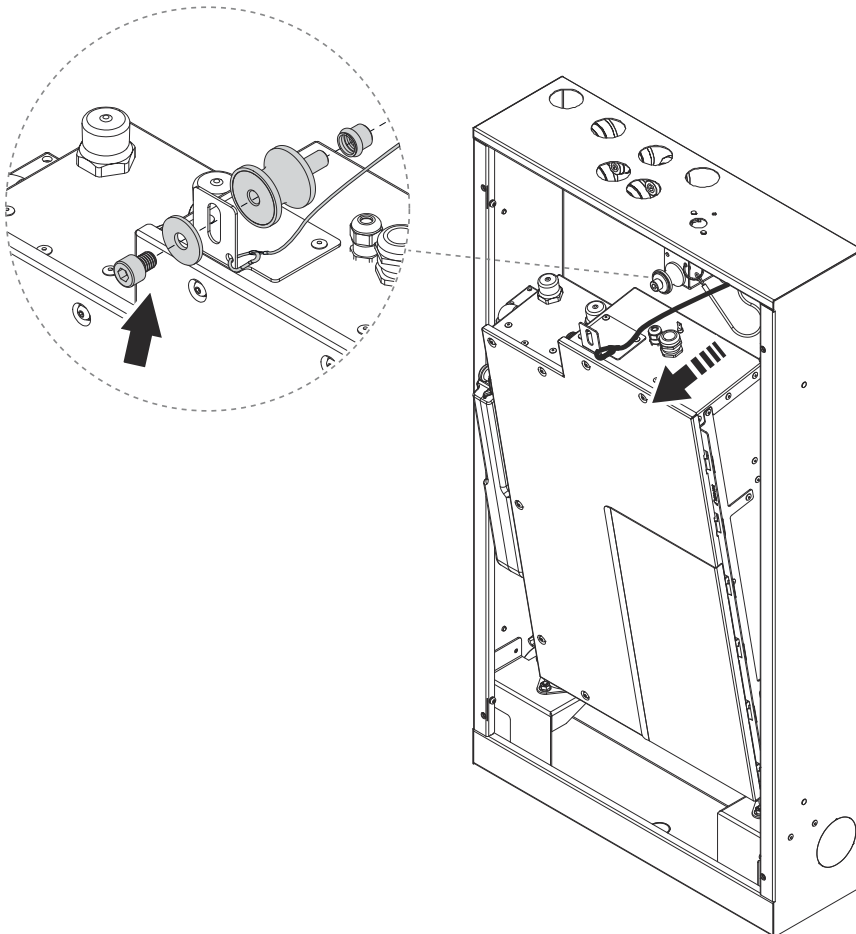
11. Disconnect the Sensor Tank and Control Dial (red and blue connector). For installations with Orbital Audio, also disconnect the amplifier (yellow connector).



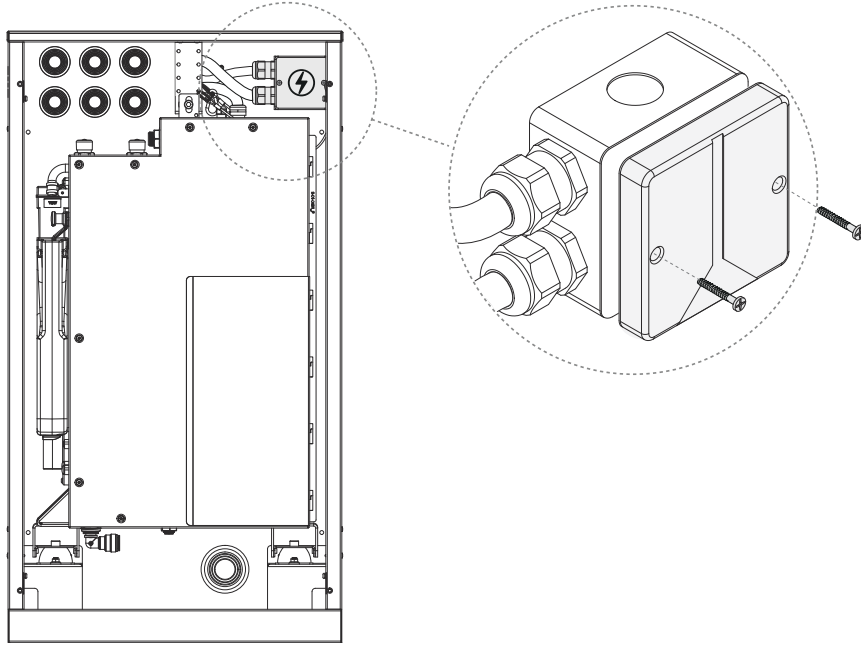
12. Make sure the safety wire is connected to the Core and Wall Box.



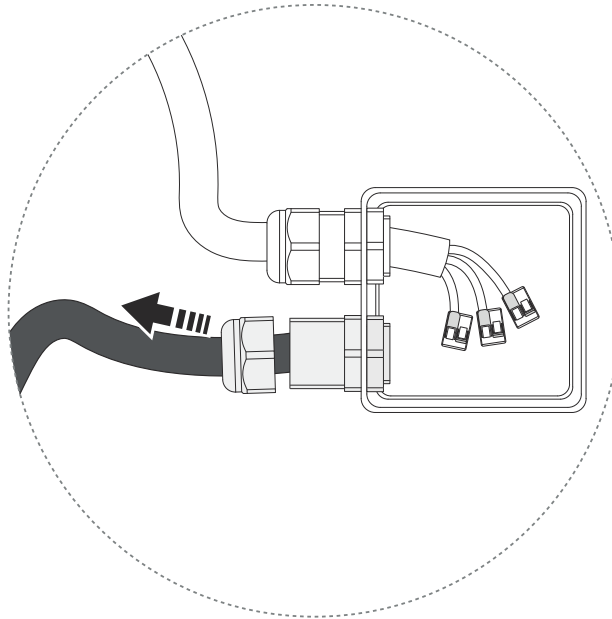
13. Unscrew the Core from the top vibration damper and gently lean it forward until the wire is fully extended and holds the Core.



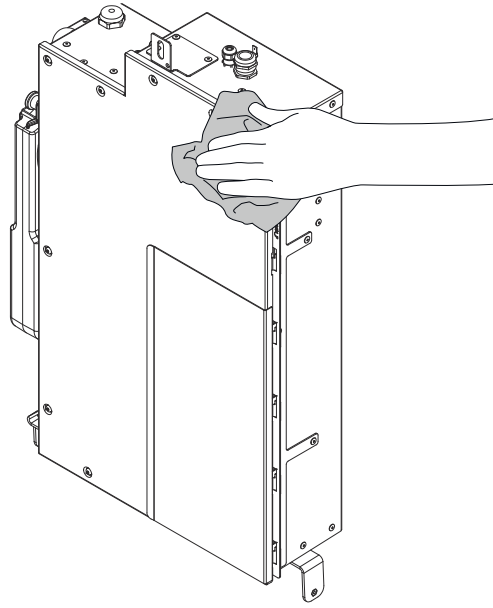
14. Make sure the power is off. Then unscrew the lid of the electrical box and set it aside.



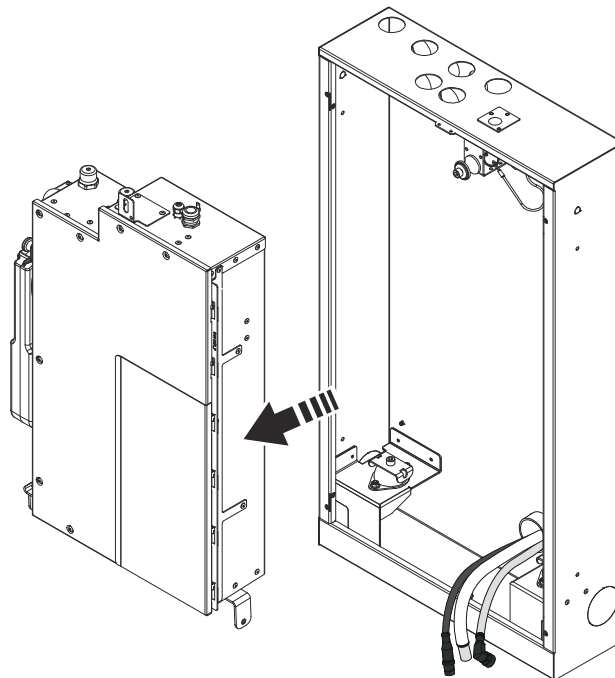
15. Loosen the strain relief. Disconnect the cables and pull out the power cable to the Core from the electrical box.



-
- 16.** Wipe off the Core thoroughly. This is important to ensure a proper grip when lifting it out.



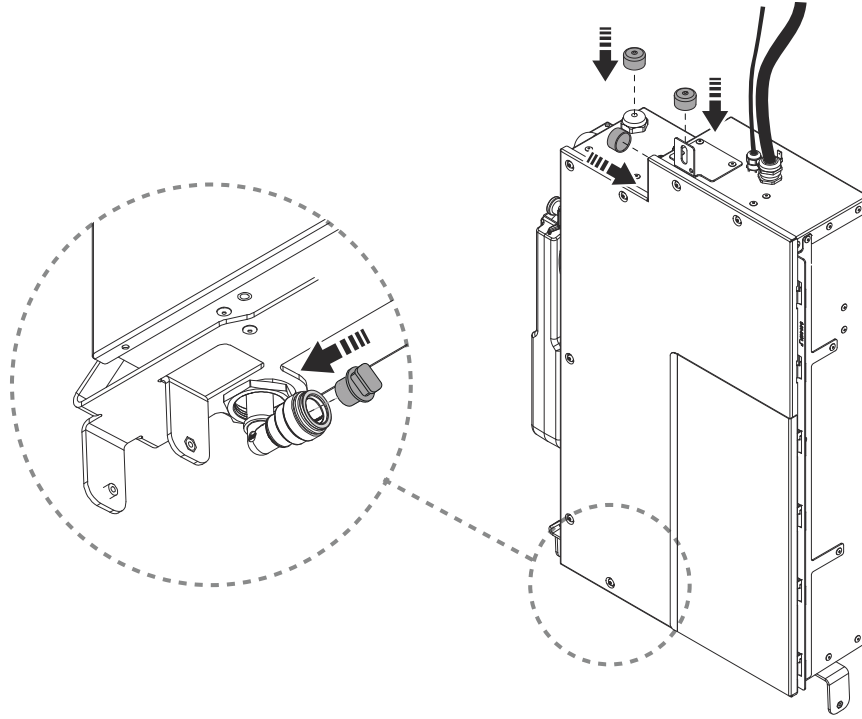
-
- 17.** Disconnect the safety wire and lift out the Core. Put it in a safe and stable place.



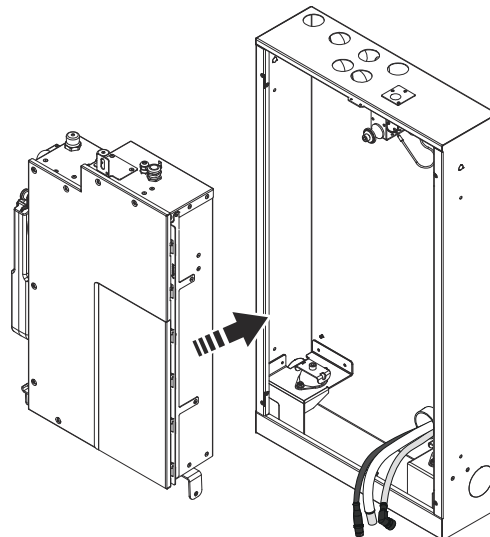
Install Core

Take the new Core out of the packaging and put it in a safe and stable place. Make sure the packaging is saved in good condition - it should be reused when returning the replaced Core.

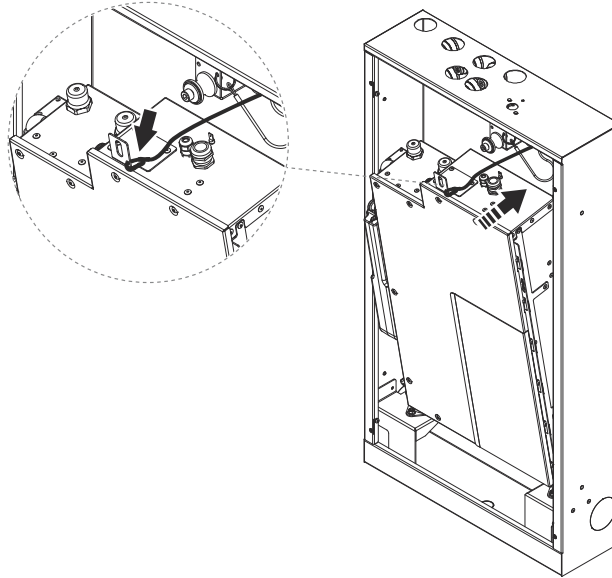
1. Transfer the transport plugs from the new Core to the old one.



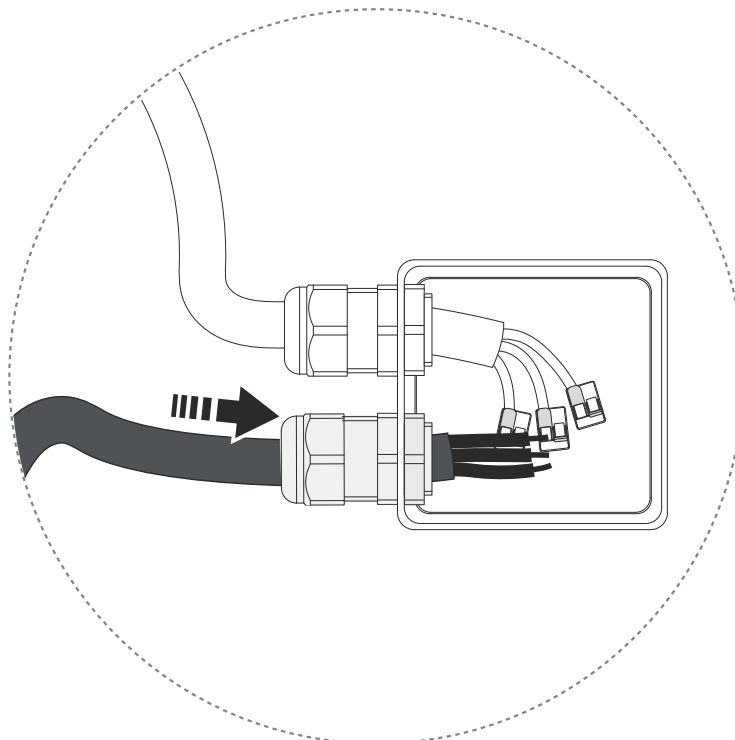
2. Place the new device in the Wall Box. The Core should click all the way into the vibration damper.



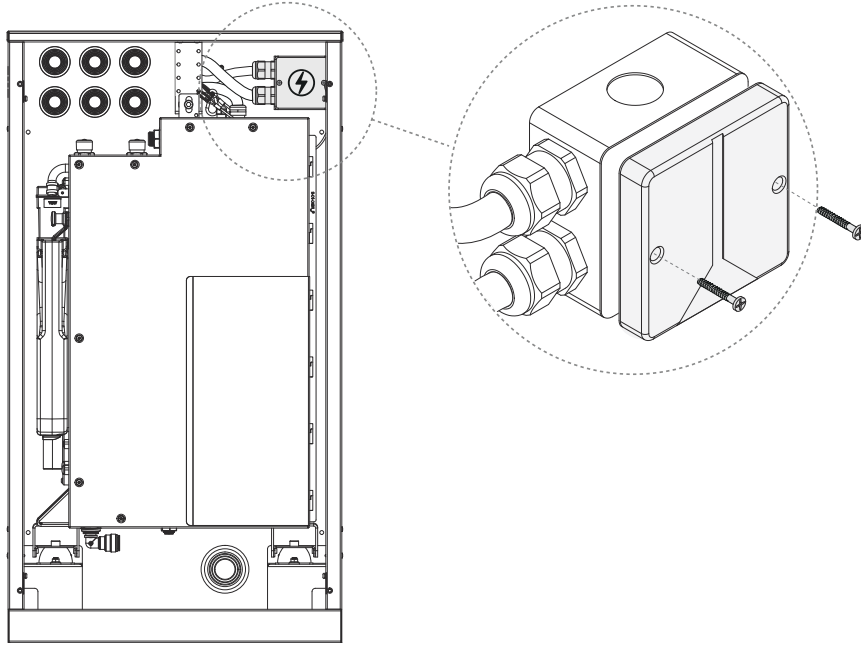
-
3. Attach the safety wire to the Core and keep it in the tilted position.



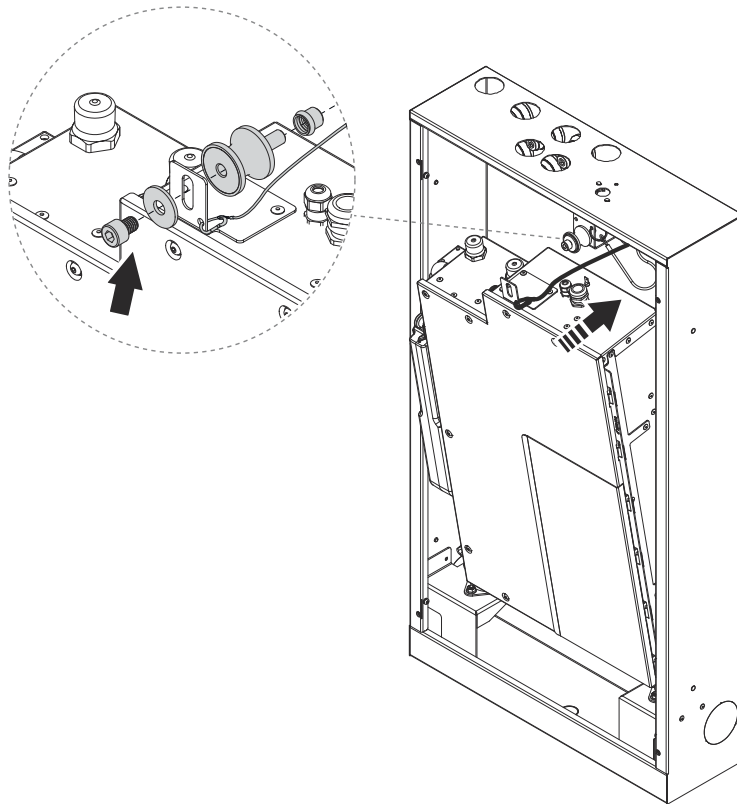
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4. Feed the stripped part of the electrical cable into the electrical box and tighten the strain relief.



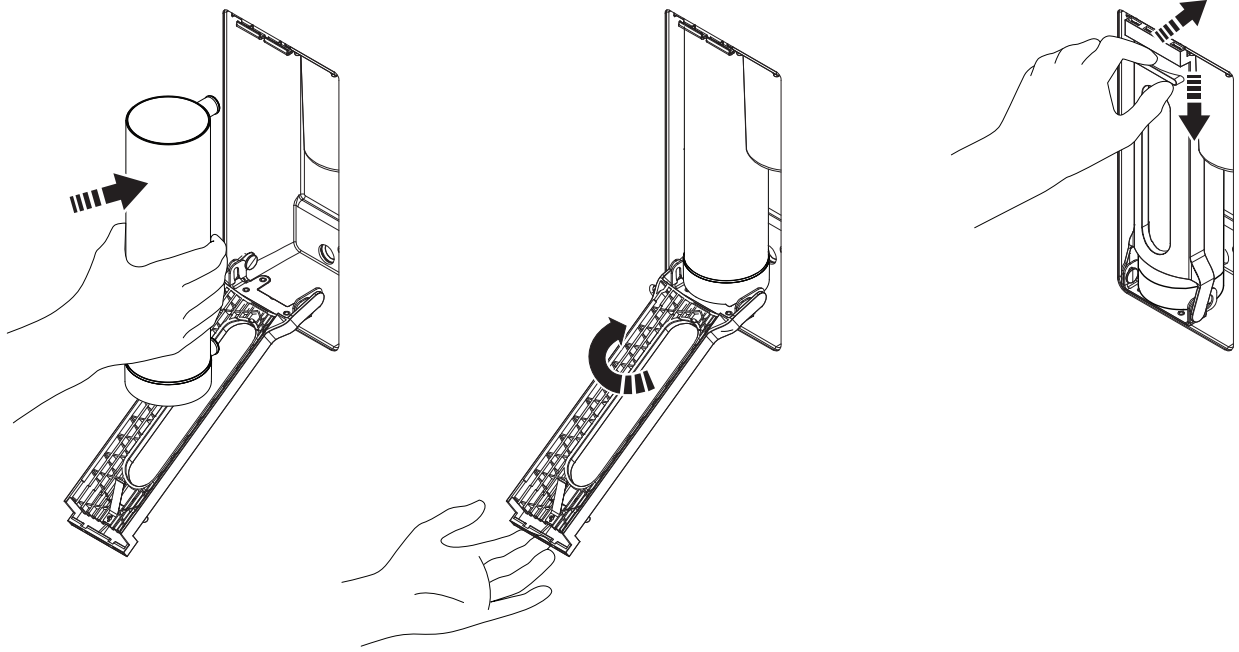
5. Connect the cables and screw the lid back to the electrical box.



6. Lean back and screw the Core onto the vibration damper. Make sure the electrical cable is placed behind the hot water pipe without any sharp bends, and make sure it is not pinched behind the Core.



7. Open the Filter hatch and insert a Filter Capsule.

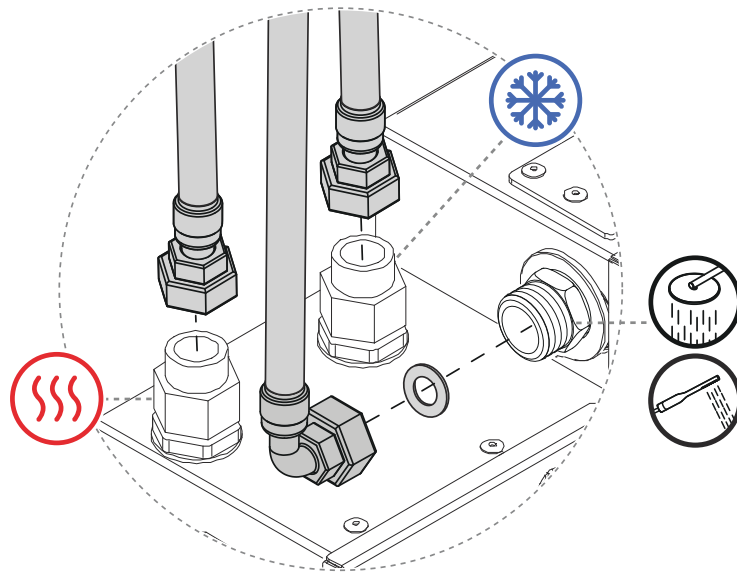


8. Connect the hot and cold water connections. Then connect the shower water connection to the Core.

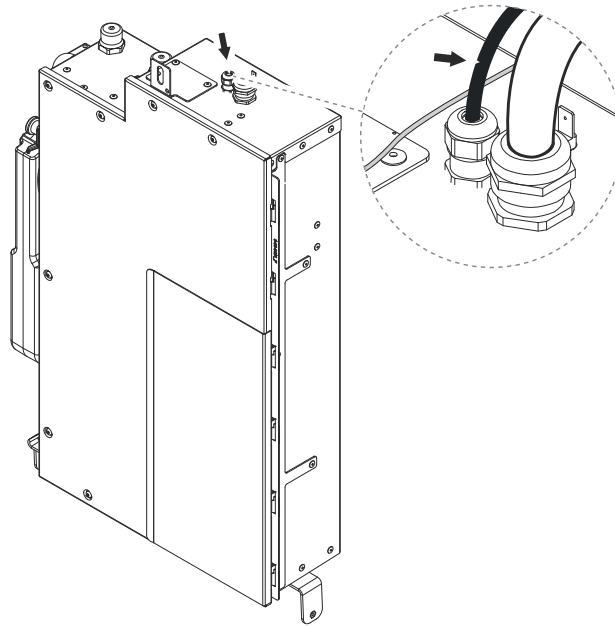


CAUTION

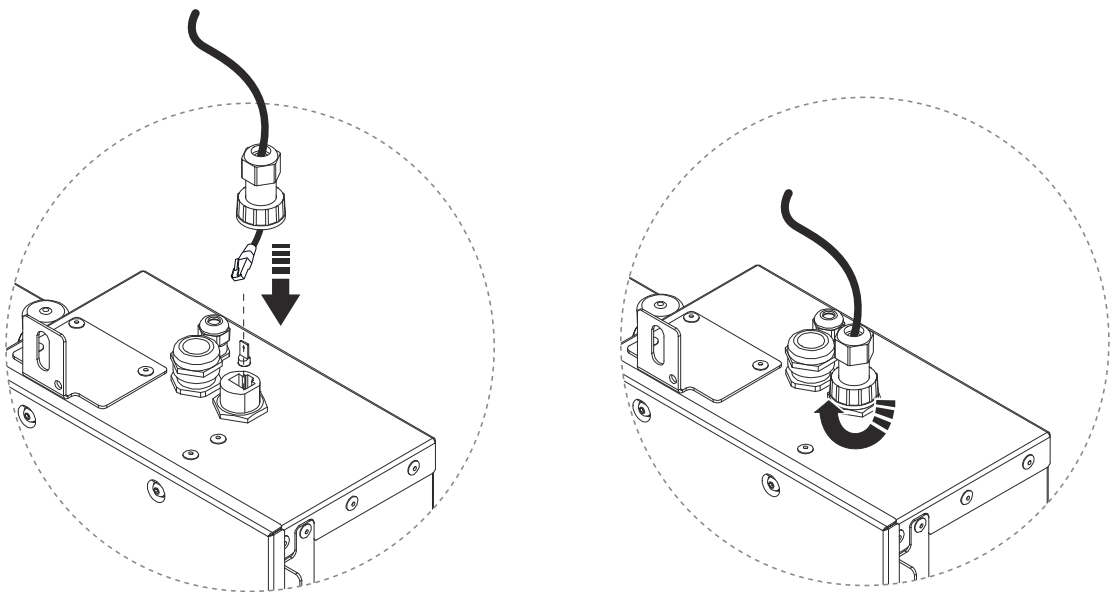
Make sure the gaskets are in good condition and have no damage.



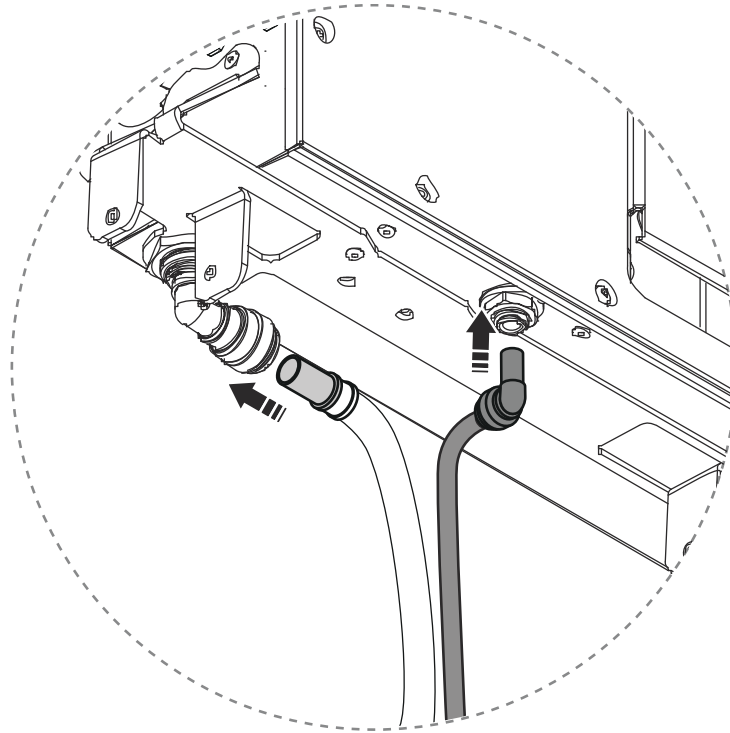
9. Connect the Wi-Fi antenna cable.



For Ethernet installation: Unscrew the protective cover and connect the Ethernet cable.



-
- 10.** Apply fixture grease and connect the recirculation hose and flush hose to the Core. It is important to relubricate the plug-in coupling and hose to prevent damage to the o-ring in the connection on the Core.



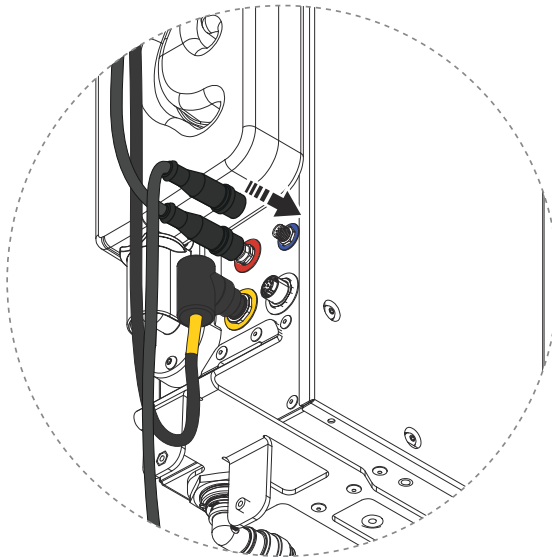
-
11. Unscrew the protective caps on the red and blue communication ports on the Core. Then plug in the Control Dial (red port) and Sensor Tank (blue port).

For installations with Audio: Unscrew the protective cap on the yellow communication port and plug in the amplifier. The contacts should be tightened by hand, and the cable to the Control Dial and amplifier should be routed behind the air gap tank.

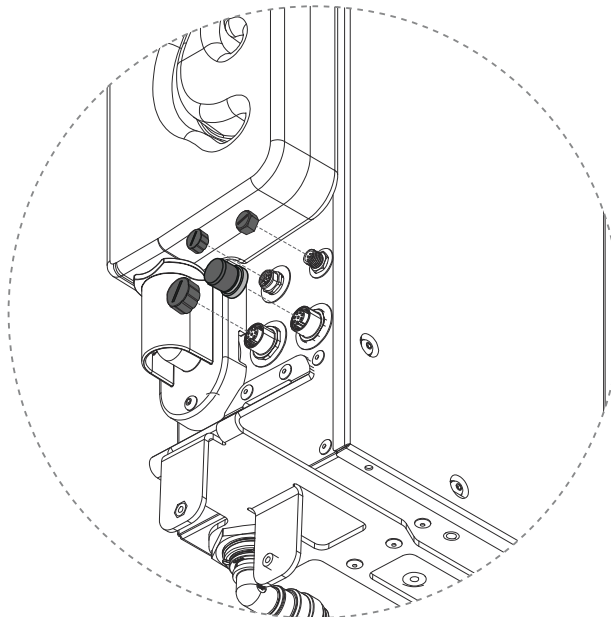


CAUTION

Ensure a proper alignment between the connector and the communication port. This must be done with special attention to prevent damage to the pins.

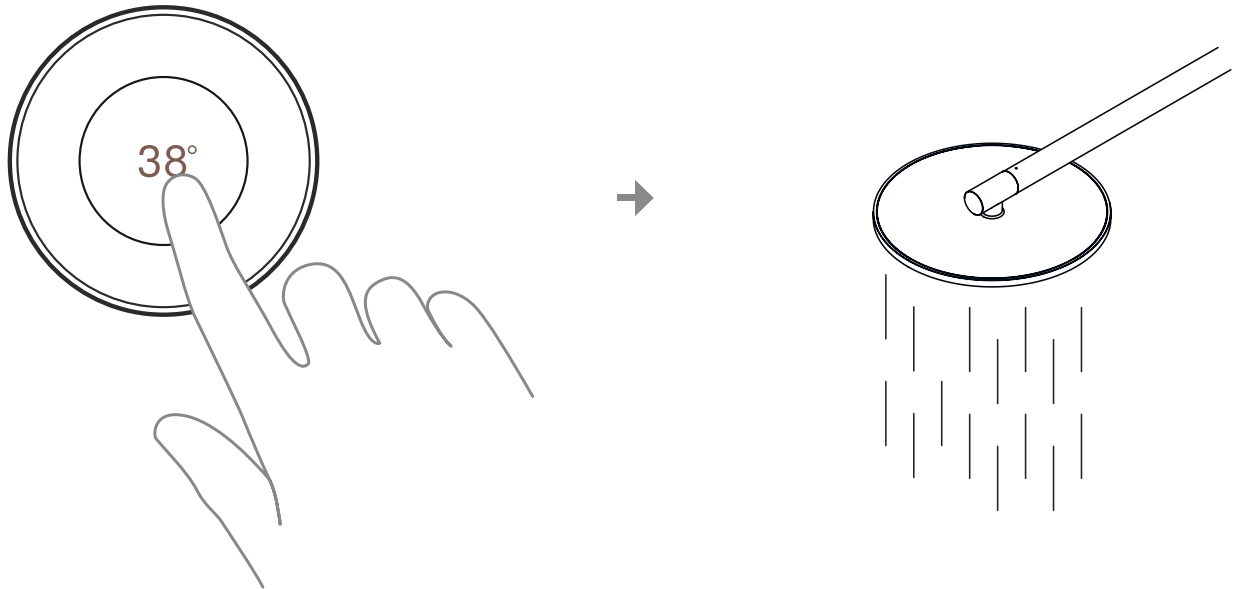


-
12. Fit the protective caps on the old Core and place it in the packaging.

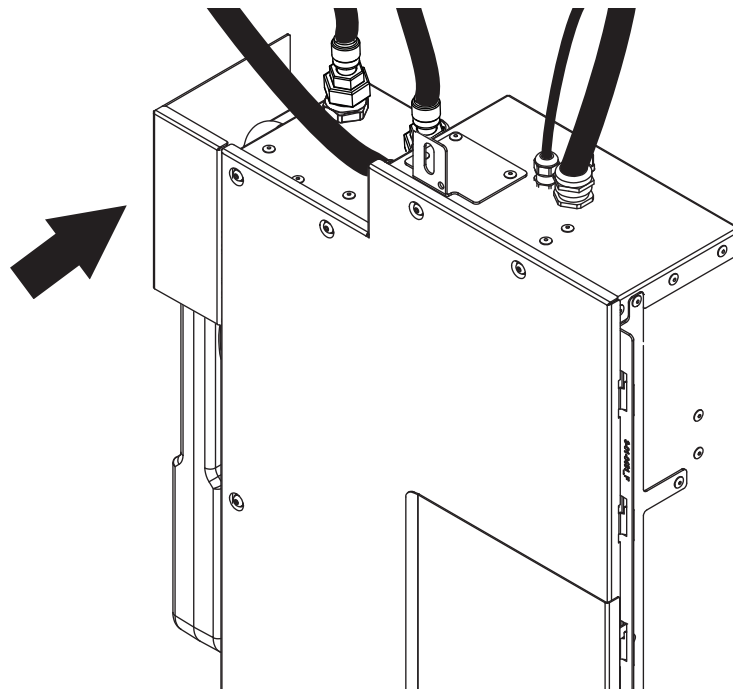


13. Turn on the incoming water. Check and fix any water leaks. Then turn on the power. It takes about 1 minute for Core to start up.

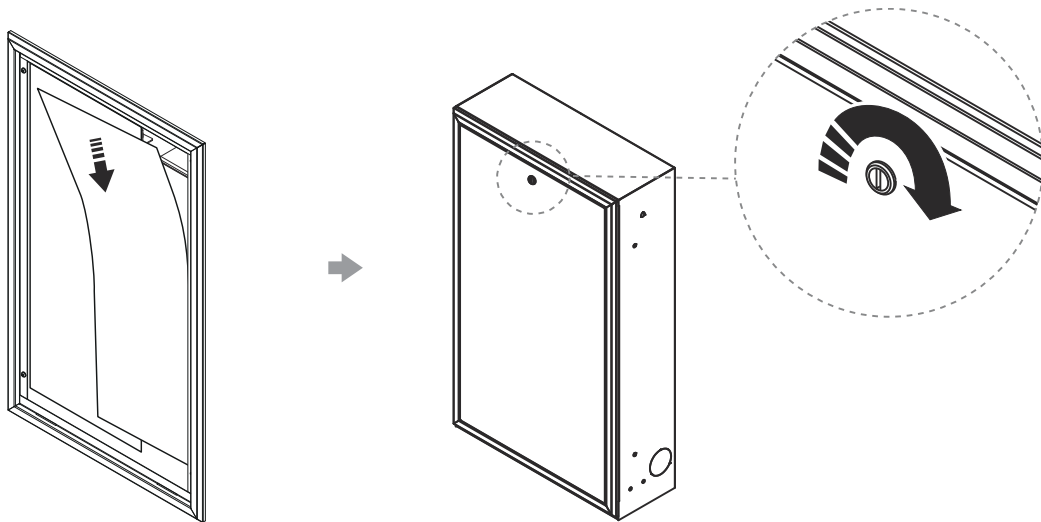
14. Start the shower and let it run for a short time. Then switch off and fix any water leaks.



15. Replace the air gap tank cover.





16. Put the splash guards back in the Wall Box and close the door.



17. Activate the shower. See [Shower activation \[302\]](#).

18. The replaced Core should be sent back to Orbital.

- As per the instructions, make sure the plugs and protective caps are transferred from the new to the old Core.
- Use the box from the new Core to pack the old Core.
- Record the work order number on the label if it is not already there, and contact Orbital to book the pickup.

Orbital Shower	
1-04-0113	
Swap R3 Core Kit	
Orbital Shower Core R3 ASM	
Filter capsule 5um	
Work order number:	
Production date: 23/12/01	
	
	ORBITAL 3-12-0044_A

19. Recycle any other components. 

1c. Swap Core - Basic

This instruction shows how to swap the Core in a Basic installation, where the Core is installed outside of the shower area without a Wall Box. Follow the instructions in detail, and don't hesitate to reach out if you have any questions - support@orbital-systems.com.

Use one of the kits below to swap the Core.

1-04-0113 - Swap R3 Core kit:

Core

Filter Capsule

or

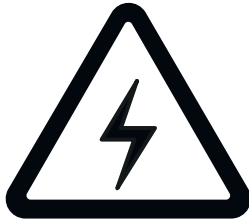
1-04-0182 - Swap R3 refurbished Core kit:

Core Refurbished

Filter Capsule

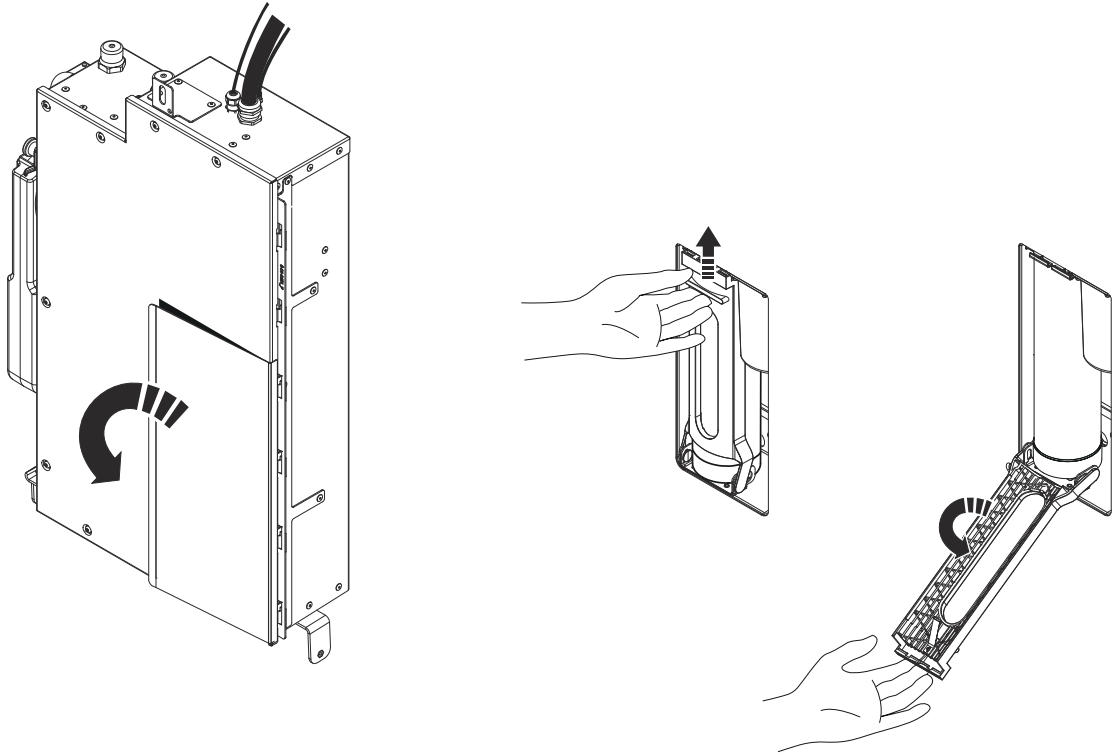
Dismantle Core

1. Turn off the power.

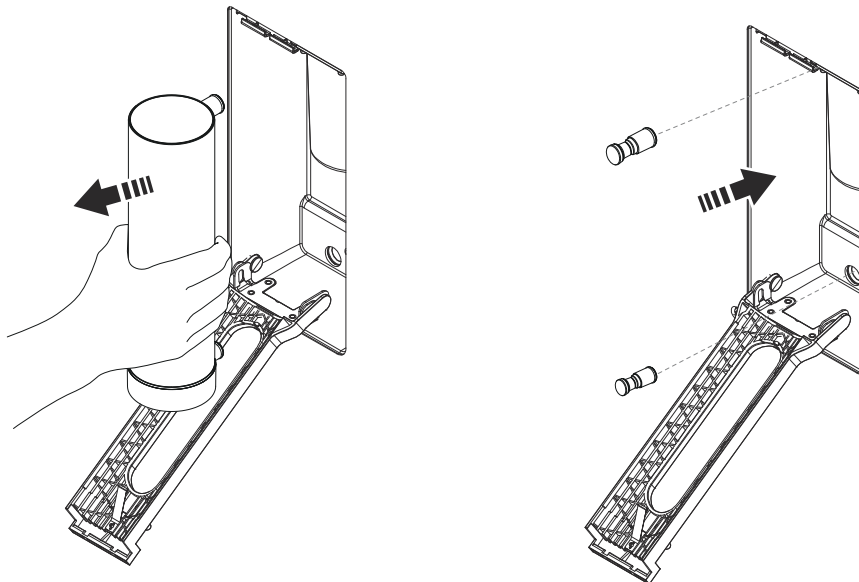


-
2. Turn off the incoming hot and cold water.

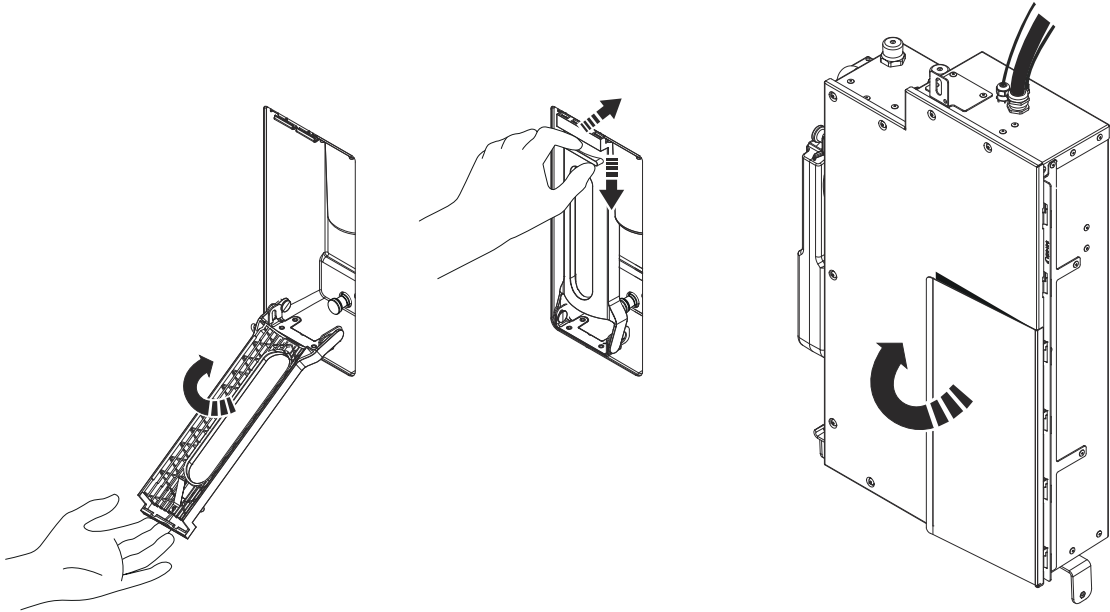
-
3. Open the door on the Core and release the Filter hatch.



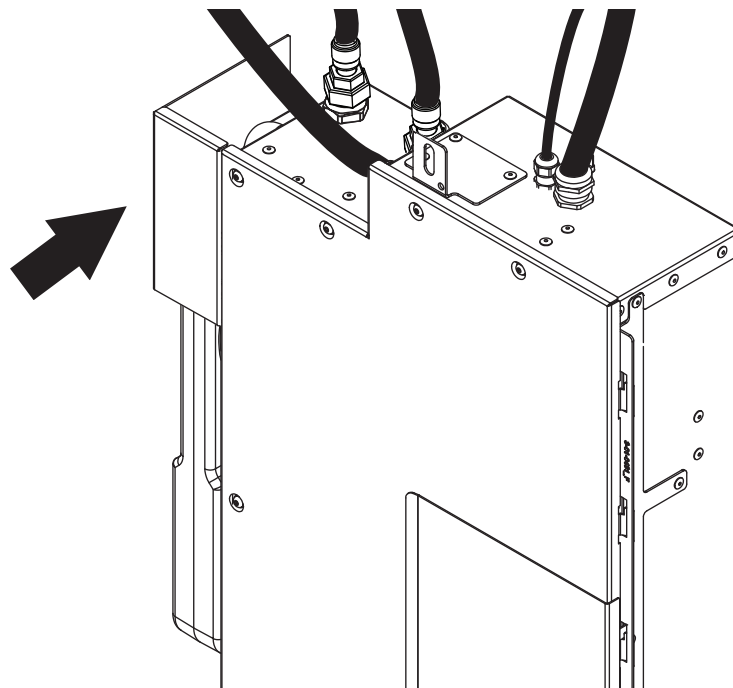
-
4. Remove the Filter Capsule. Use the plugs from the Filter hatch in the new Core and transfer to the old one. The larger plug should be placed in the upper bracket, and the smaller plug in the lower one.



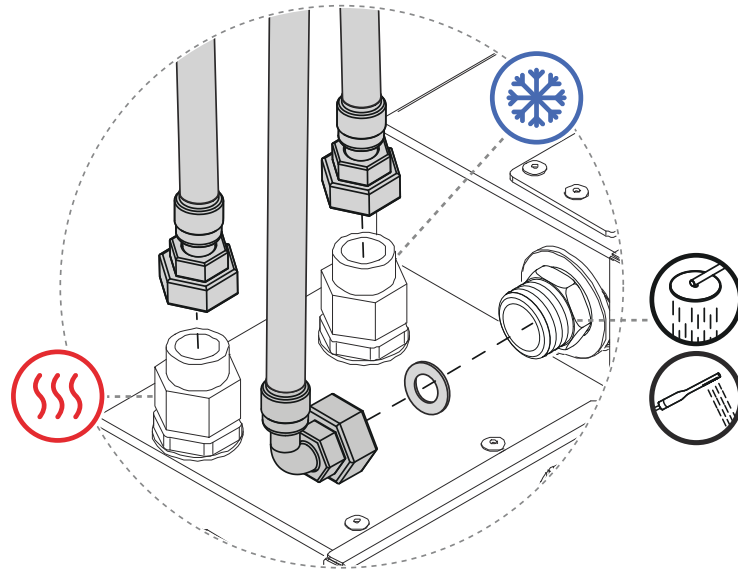
-
5. Close the hatch and the door.



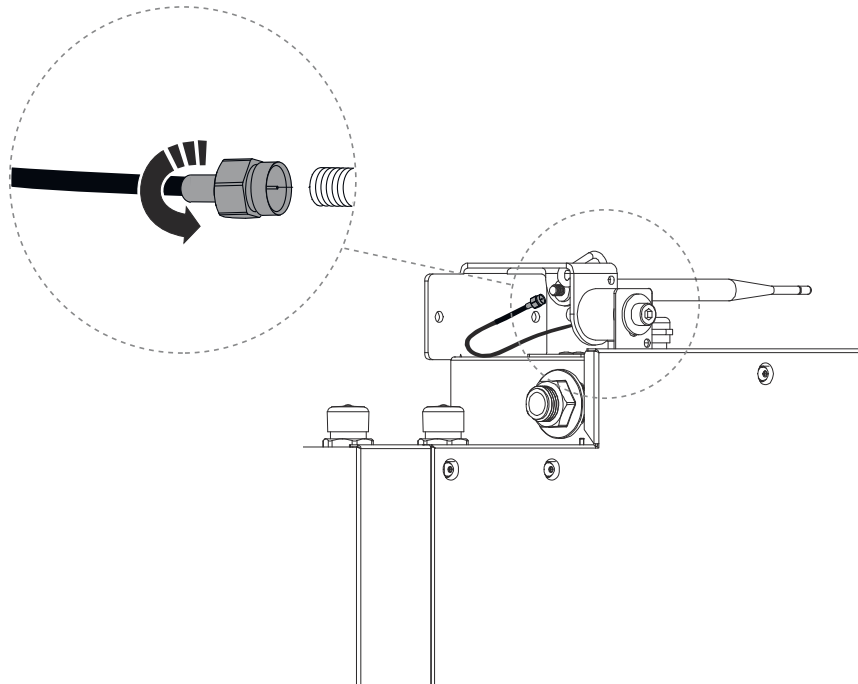
-
6. Remove the air gap tank cover and set it aside.



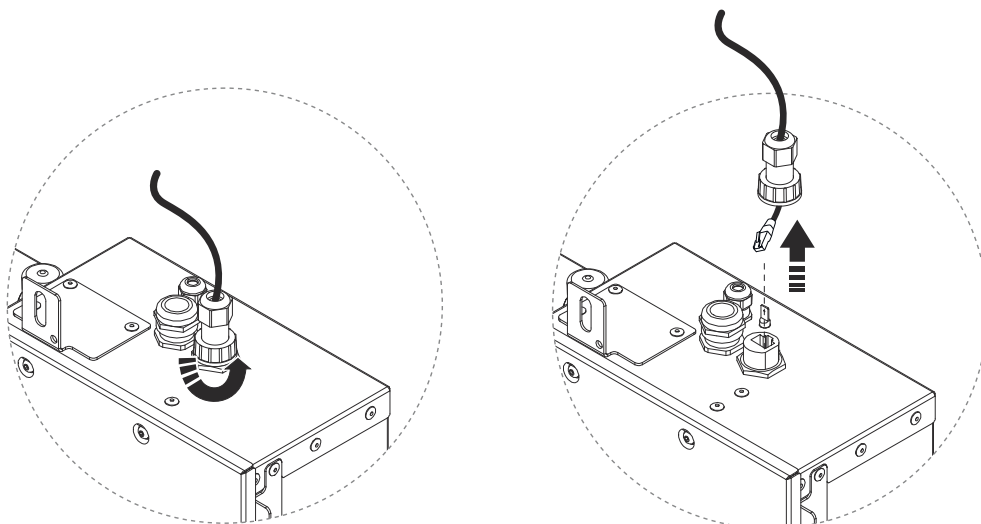
-
7. Disconnect the shower water connection (outgoing). Then, disconnect the water connections for incoming hot and cold water. Wipe off any remaining water that drains from the pipes.



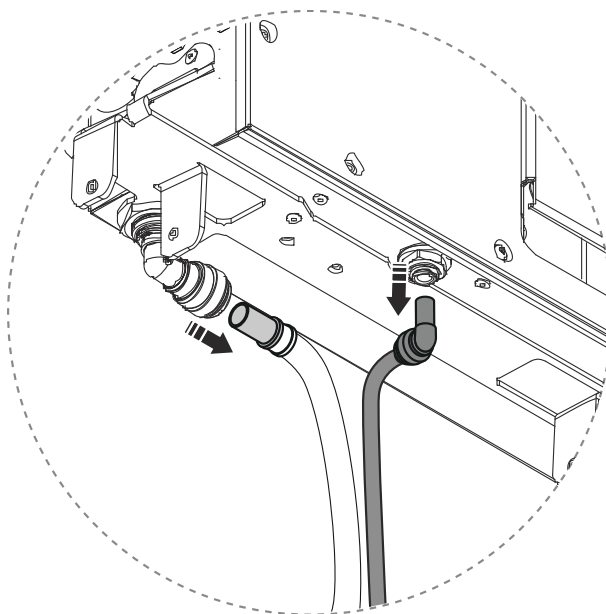
-
8. Disconnect the WiFi antenna cable.



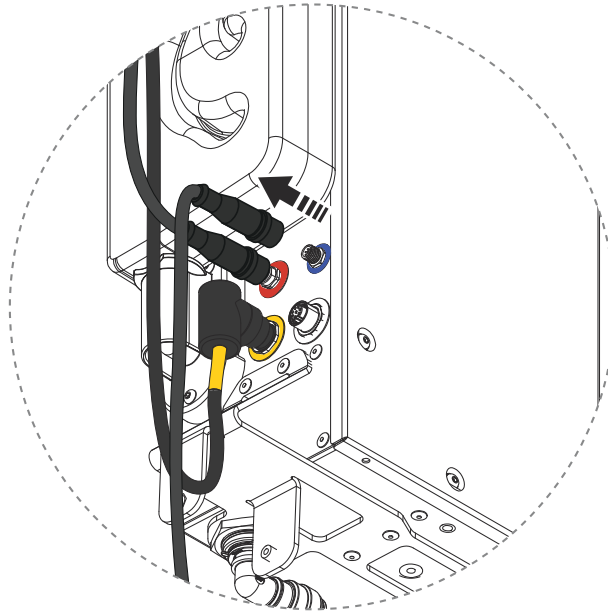
For Ethernet installation: Unscrew the protective cover and disconnect the Ethernet cable.



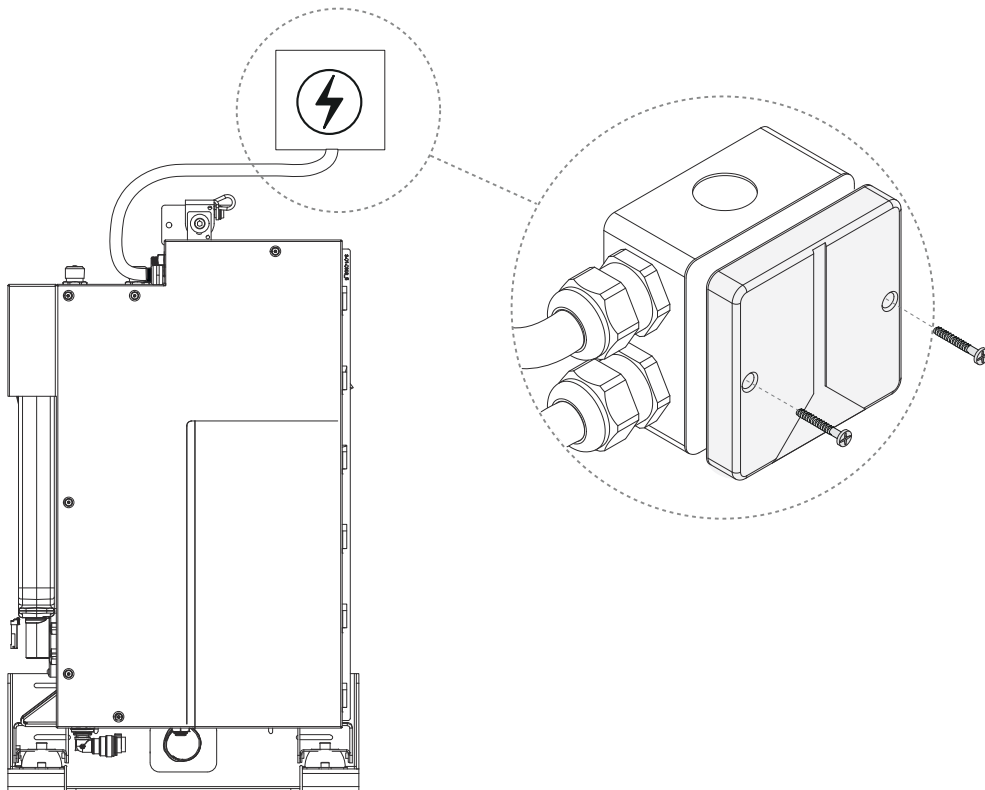
9. Disconnect the flush hose and recirculation hose from the bottom of the Core.



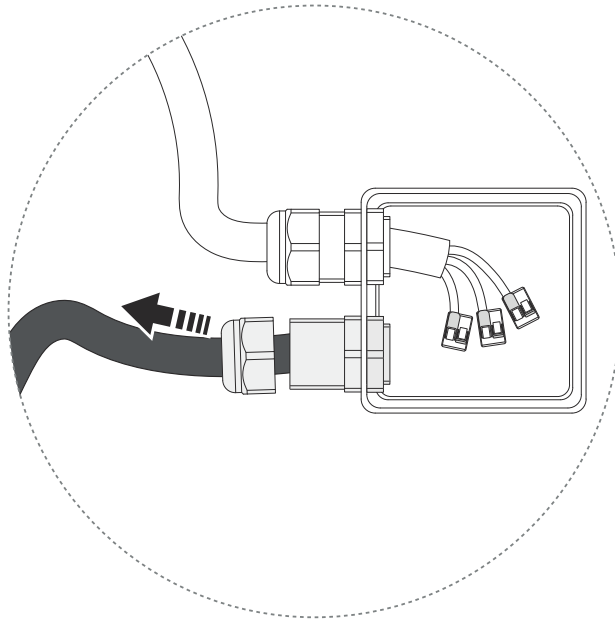
-
- 10.** Disconnect the Sensor Tank and Control Dial (red and blue connector). For installations with Orbital Audio, also disconnect the amplifier (yellow connector).



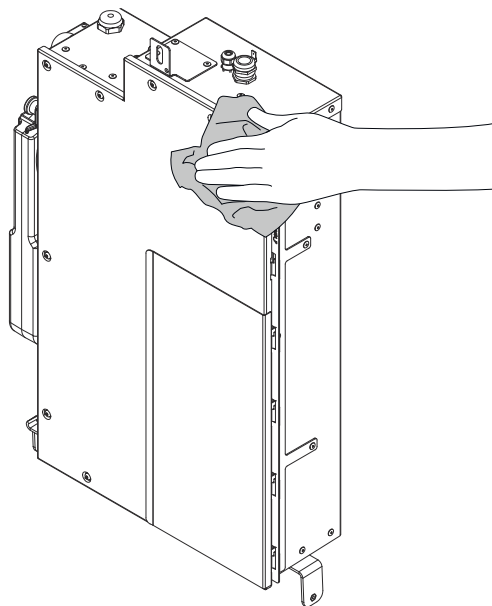
-
- 11.** Make sure the power is off. Then unscrew the lid of the electrical box and set it aside.



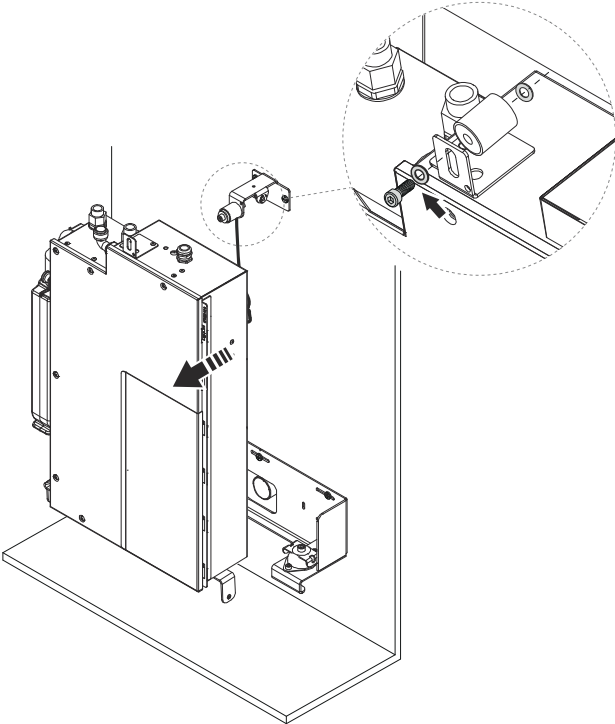
-
- 12.** Loosen the strain relief. Disconnect the cables and pull out the power cable to the Core from the electrical box.



-
- 13.** Wipe off the Core thoroughly. This is important to ensure a proper grip when lifting it out.



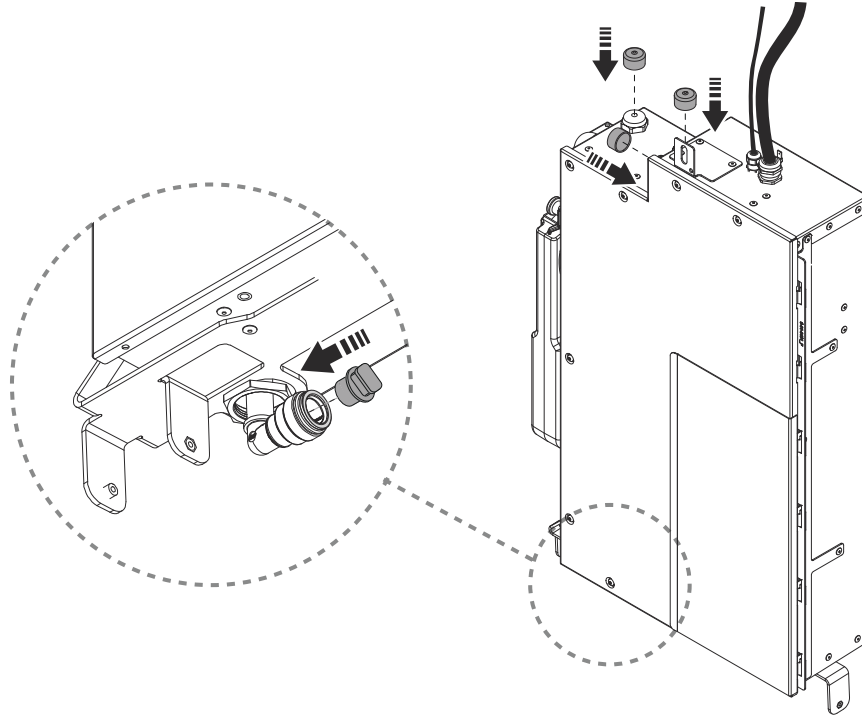
14. Disconnect the safety wire and lift out the Core. Put it in a safe and stable place.



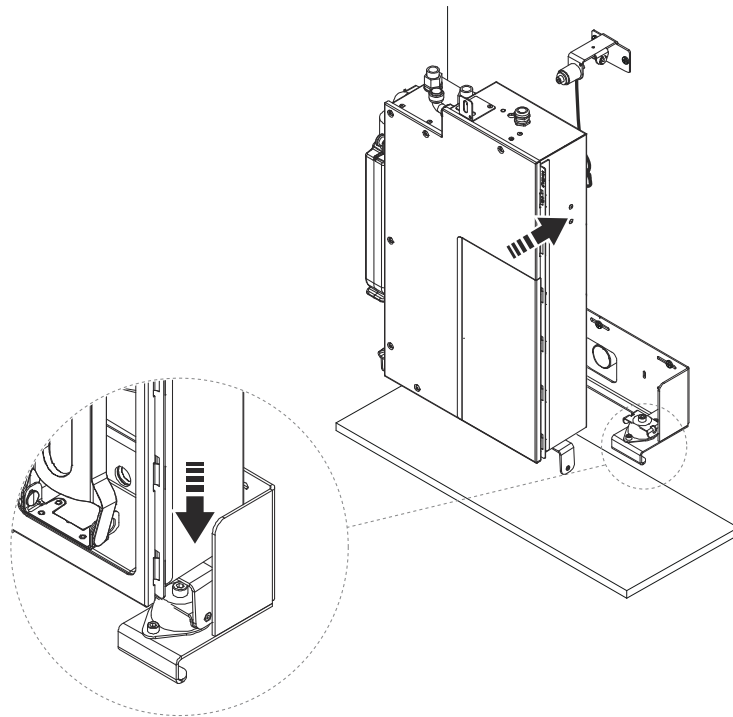
Install Core

Take the new Core out of the packaging and put it in a safe and stable place. Make sure the packaging is saved in good condition - it should be reused when returning the replaced Core.

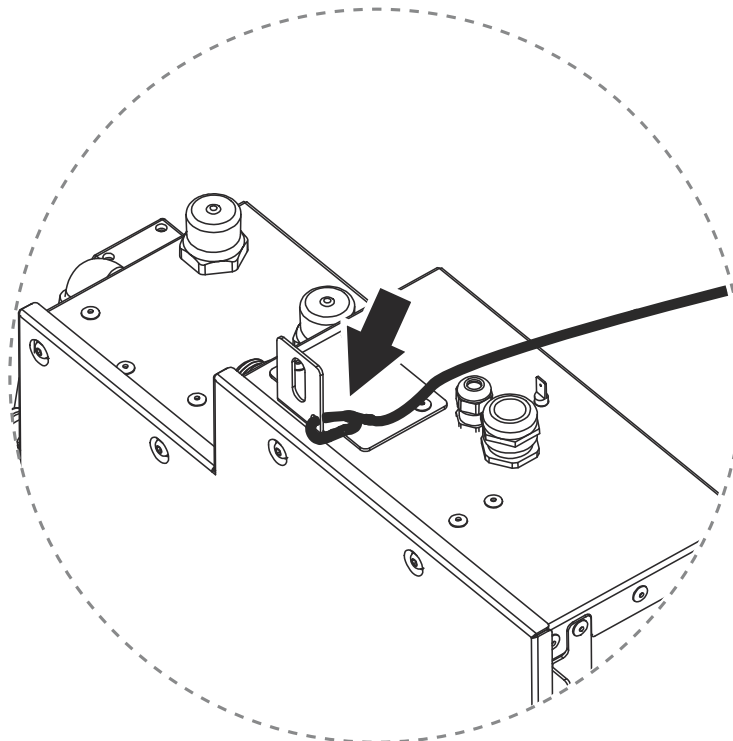
1. Transfer the transport plugs from the new Core to the old one.



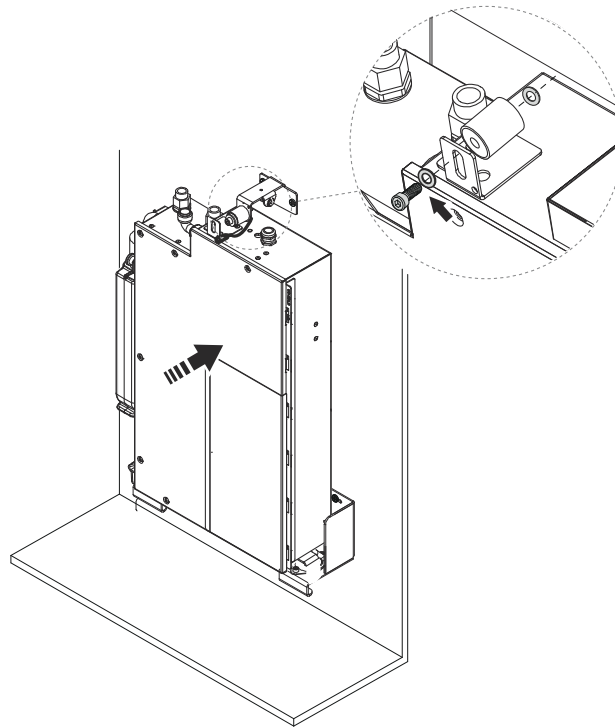
-
2. Place the Core on the Core Wall Mounting. It should click all the way into the vibration damper.



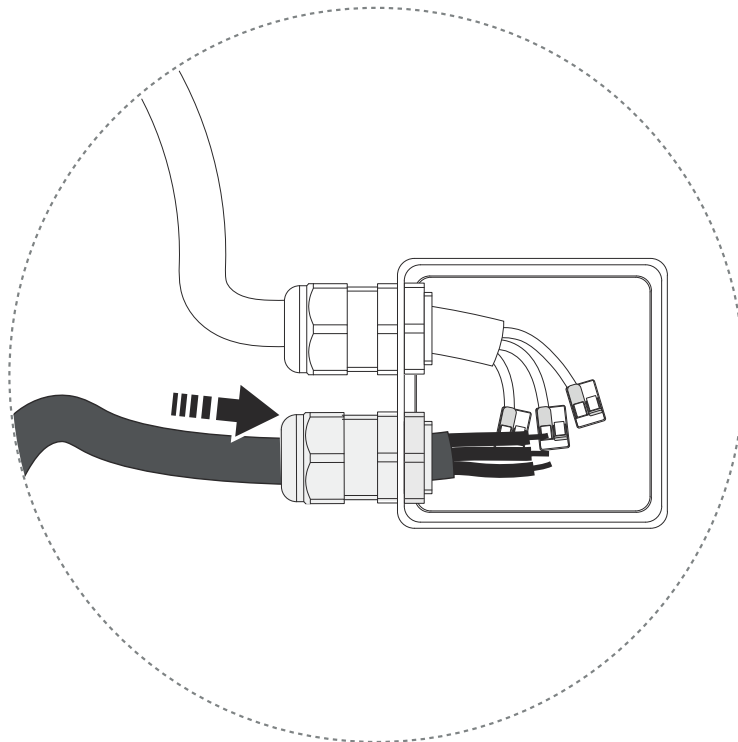
-
3. Attach the safety wire to the Core and keep it in the tilted position.



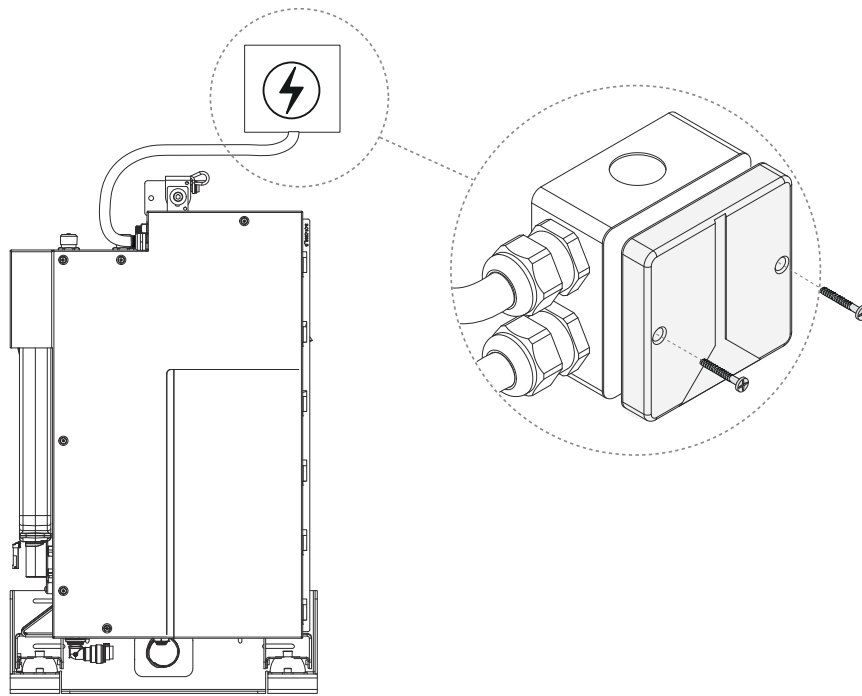
-
4. Screw the Core onto the upper vibration damper. Ensure that the power cord is not pinched behind the Core.



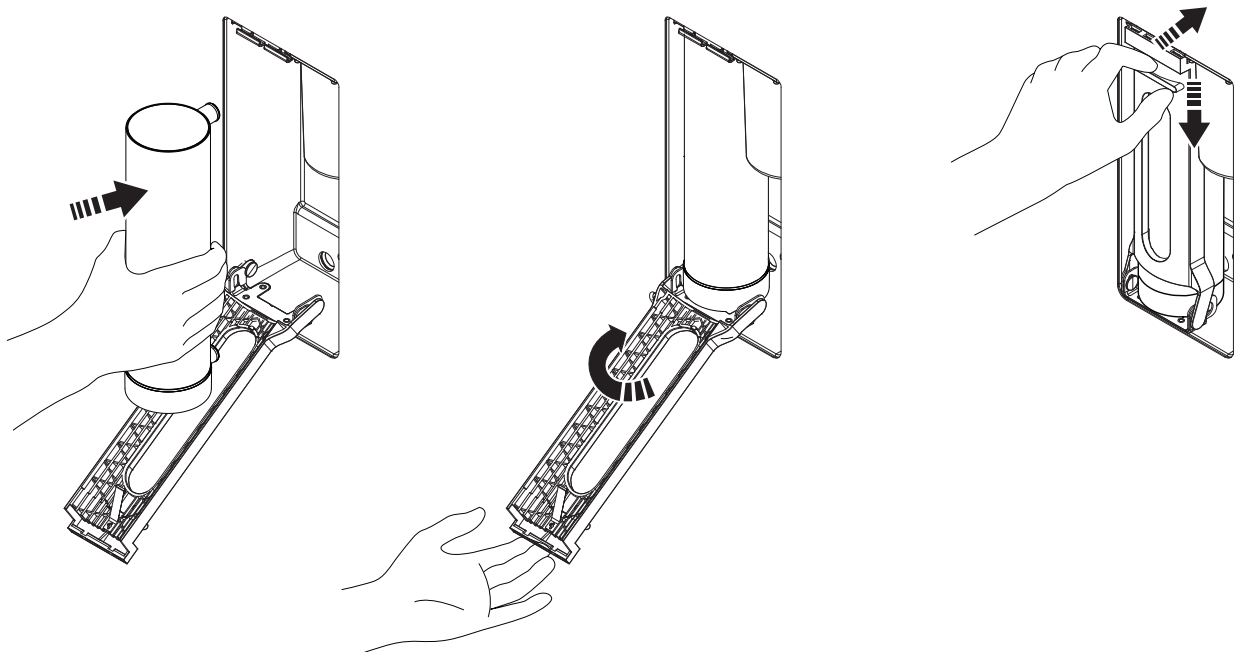
-
5. Feed the stripped part of the electrical cable into the electrical box and tighten the strain relief.



-
6. Connect the cables and screw the lid back to the electrical box. Ensure that the electric cable is placed behind the hot water pipe without sharp bends.



-
7. Open the Filter hatch and insert a Filter Capsule.

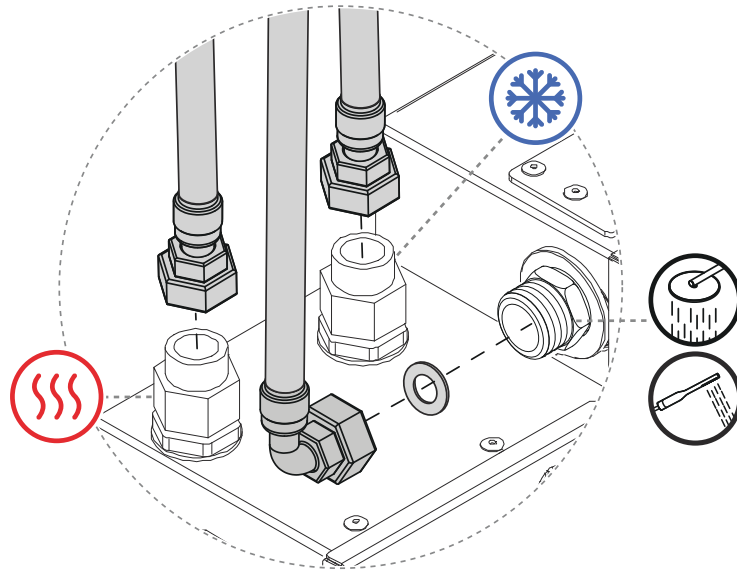


-
8. Connect the hot and cold water connections. Then connect the shower water connection to the Core.

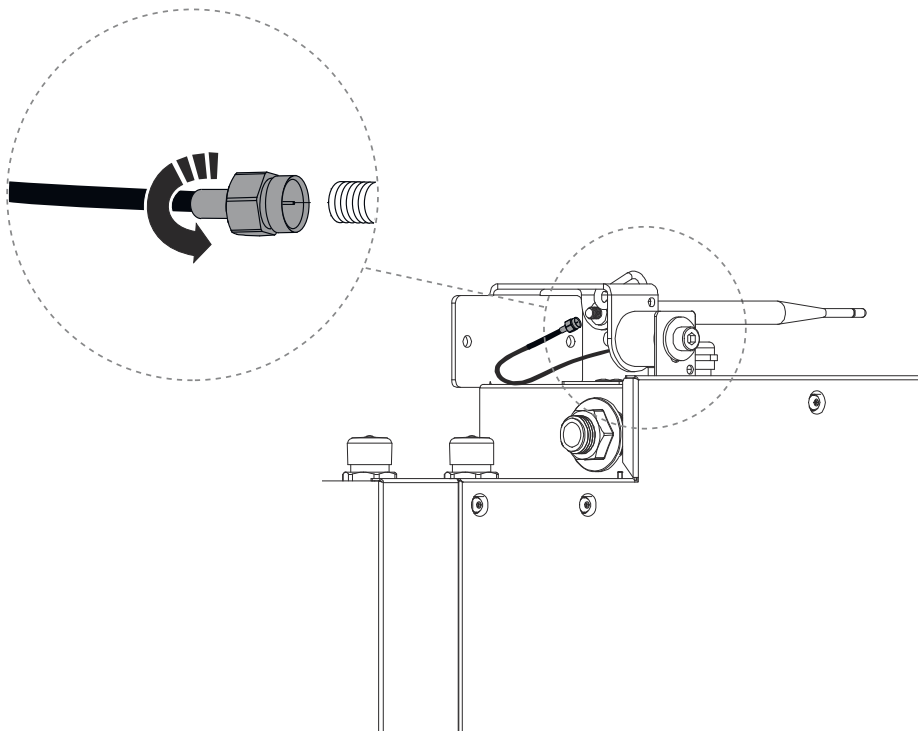


CAUTION

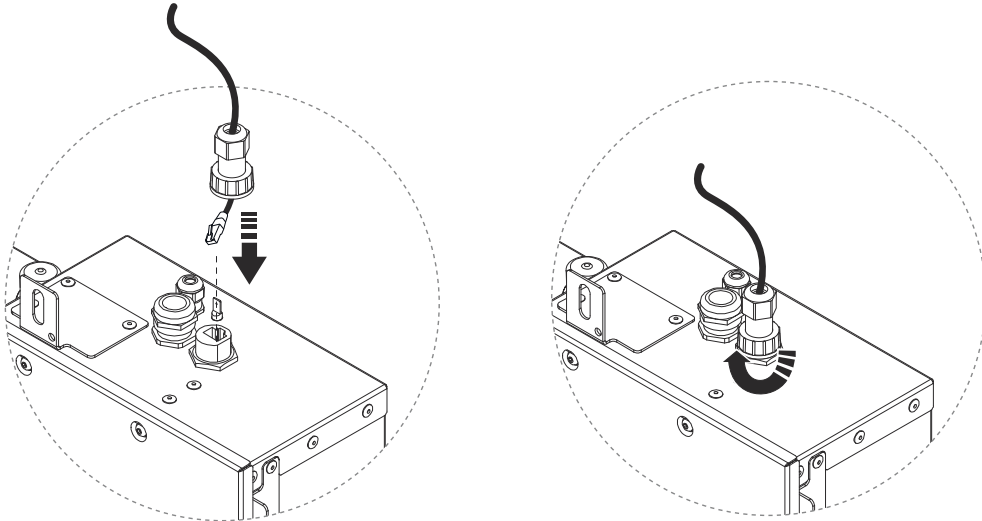
Make sure the gaskets are in good condition and have no damage.



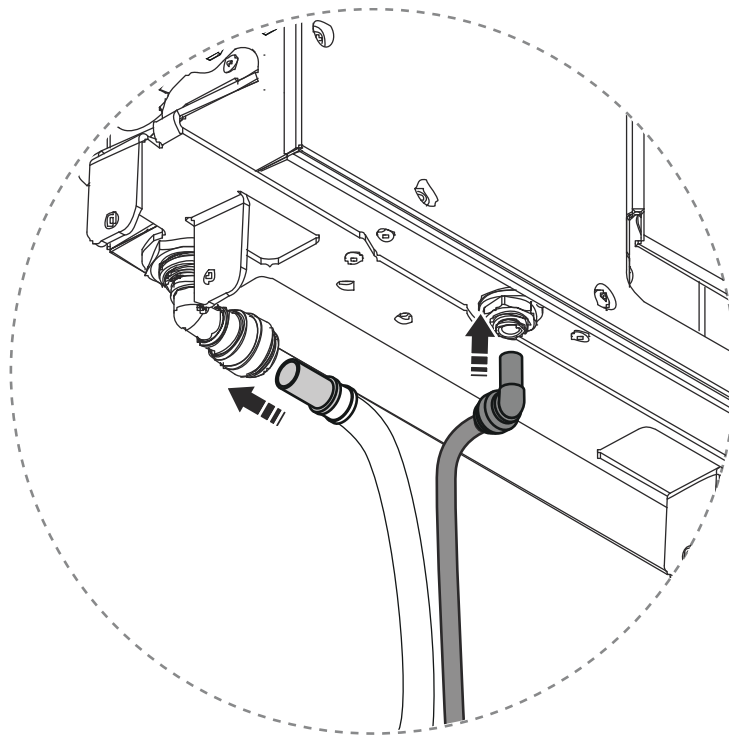
-
9. Connect the Wi-Fi antenna cable.



For Ethernet installation: Unscrew the protective cover and connect the Ethernet cable.



10. Apply fixture grease and connect the recirculation hose and flush hose to the Core. It is important to relubricate the plug-in coupling and hose to prevent damage to the o-ring in the connection on the Core.



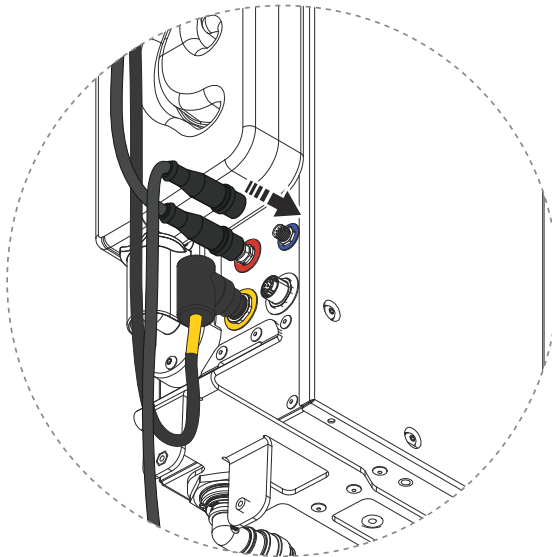
-
11. Unscrew the protective caps on the red and blue communication ports on the Core. Then plug in the Control Dial (red port) and Sensor Tank (blue port).

For installations with Audio: Unscrew the protective cap on the yellow communication port and plug in the amplifier. The contacts should be tightened by hand, and the cable to the Control Dial and amplifier should be routed behind the air gap tank.

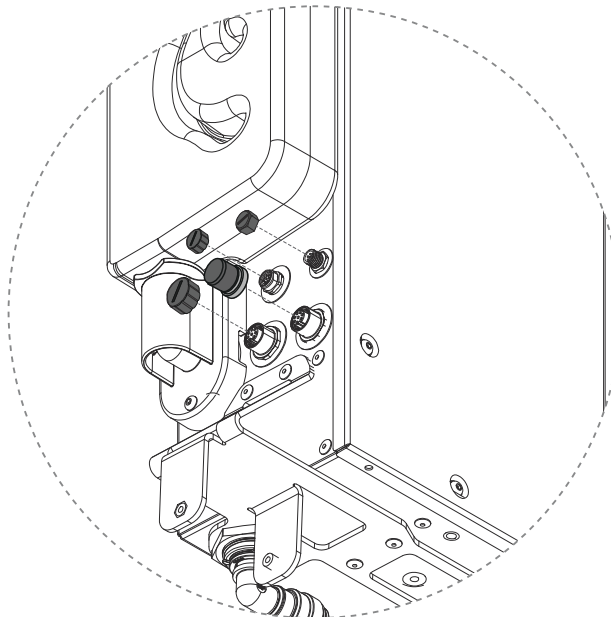


CAUTION

Ensure a proper alignment between the connector and the communication port. This must be done with special attention to prevent damage to the pins.

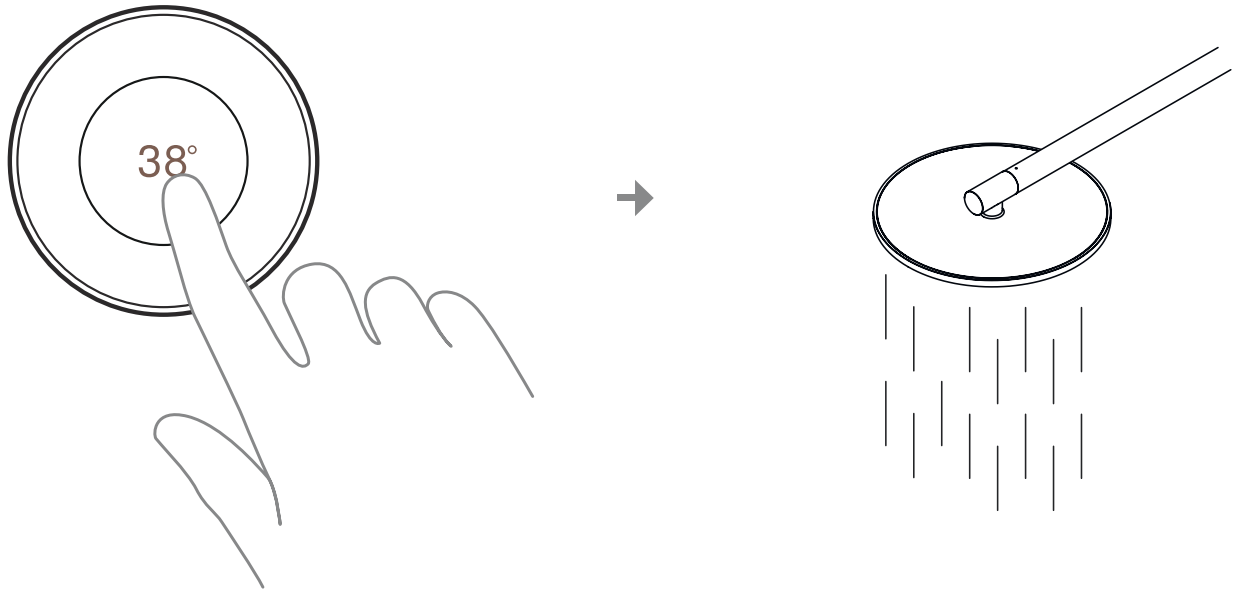


-
12. Fit the protective caps on the old Core and place it in the packaging.

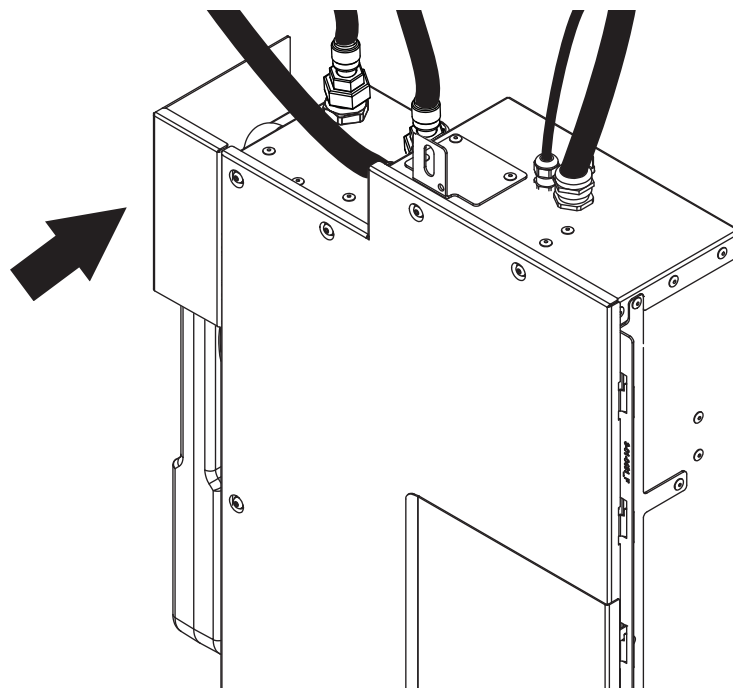


13. Turn on the incoming water. Check and fix any water leaks. Then turn on the power. It takes about 1 minute for Core to start up.

14. Start the shower and let it run for a short time. Then switch off and fix any water leaks.




15. Replace the air gap tank cover.



16. Activate the shower. See [Shower activation \[302\]](#).

-
- 17.** The replaced Core should be sent back to Orbital.
- As per the instructions, make sure the plugs and protective caps are transferred from the new to the old Core.
 - Use the box from the new Core to pack the old Core.
 - Record the work order number on the label if it is not already there, and contact Orbital to book the pickup.

Orbital Shower 


1-04-0113

Swap R3 Core Kit

Orbital Shower Core R3 ASM
Filter capsule 5um

Work order number:

Production date: 23/12/01


ORBITAL
3-12-0044_A

-
- 18.** Recycle any other components. 

Sensor Tank

2. Swap Sensor Tank + Misc. - Panel

This instruction shows how to swap the Sensor Tank with accessories in a Panel installation, where the Core is installed in the shower area. Follow the instructions in detail, and don't hesitate to reach out if you have any questions - support@orbital-systems.com.

Use the following kit to swap the Sensor Tank.

1-04-0131 - Swap Sensor Tank + Misc. kit - Panel:

Sensor Tank

Filter Capsule

Sensor cable

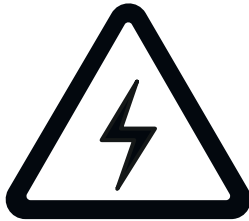
Flush hose

Recirculation hose

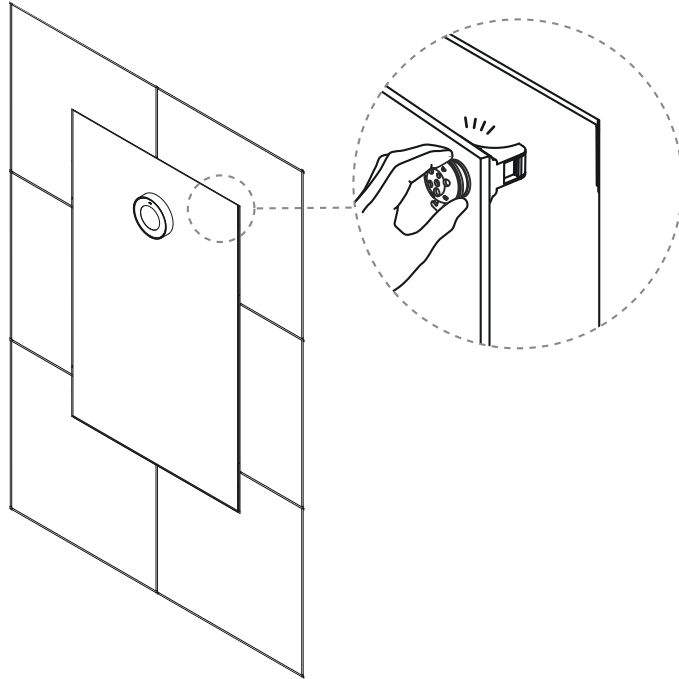
Tank accessory parts

Dismantle Sensor Tank

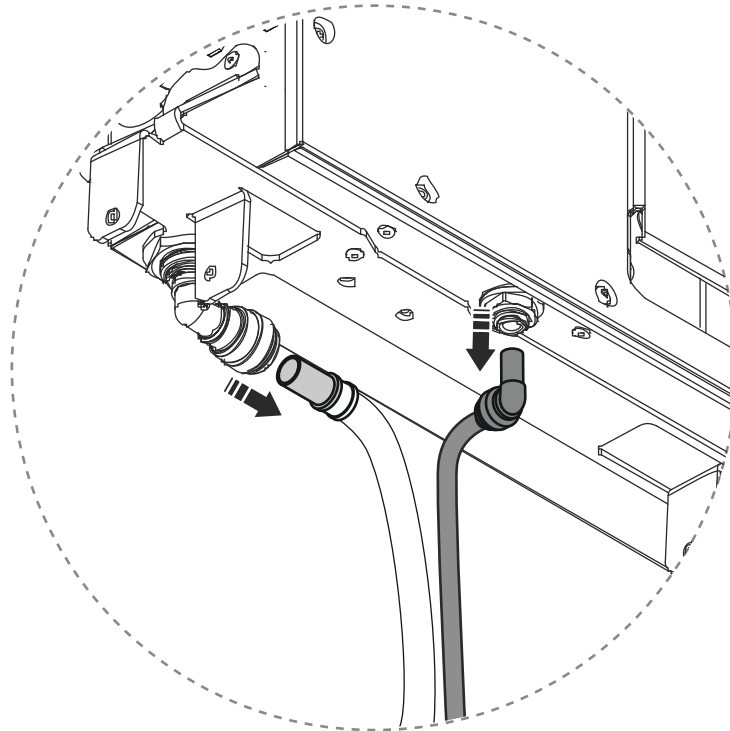
1. Turn off the power.



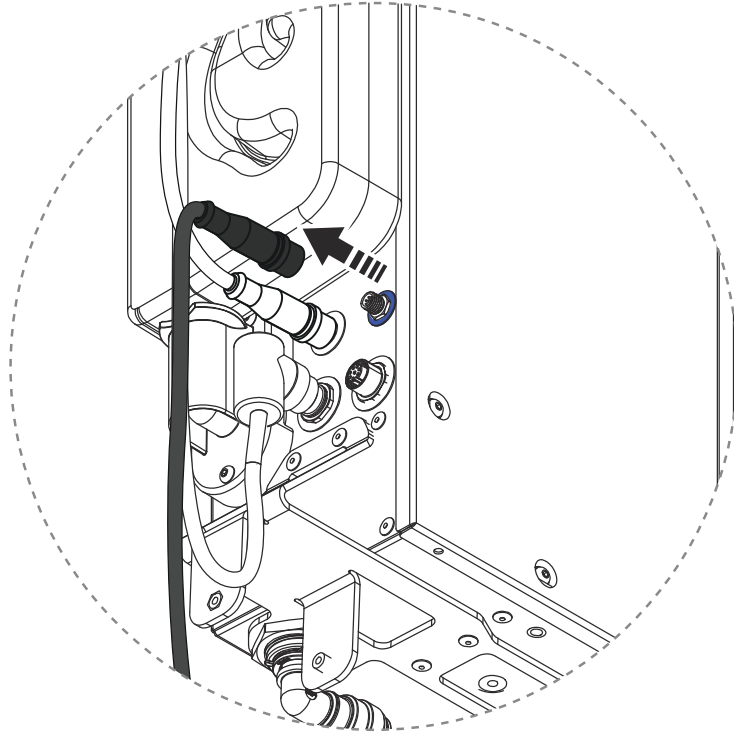
-
2. Open the Panel door.



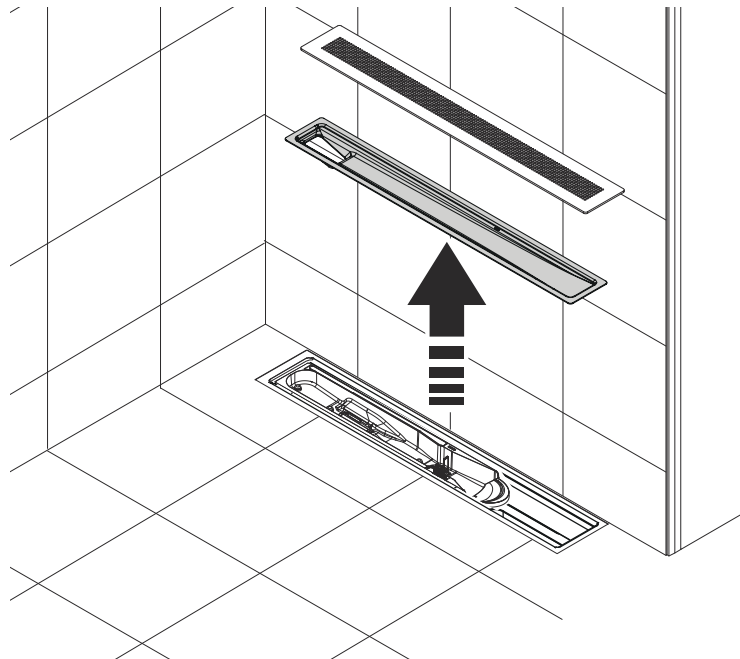
-
3. Disconnect the flush hose and recirculation hose from the bottom of the Core.



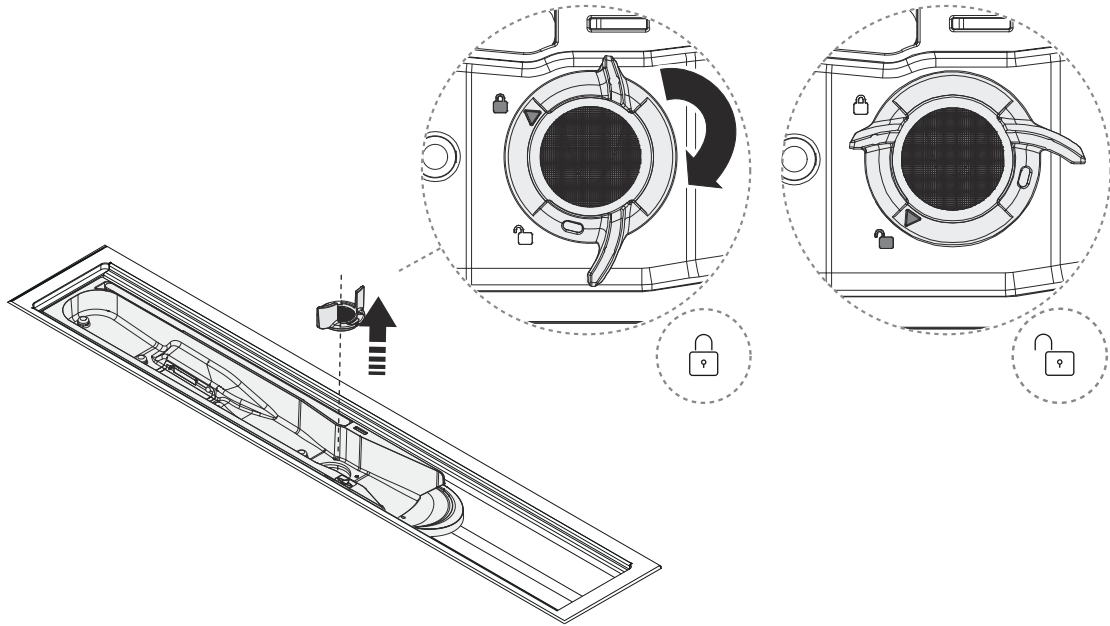
4. Disconnect the sensor cable.



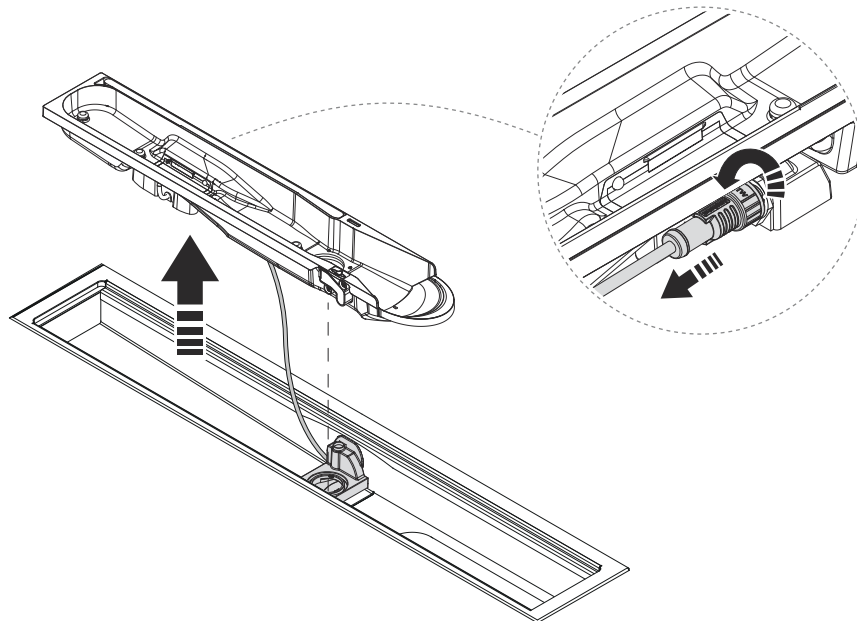
5. Lift the grate and Funnel.



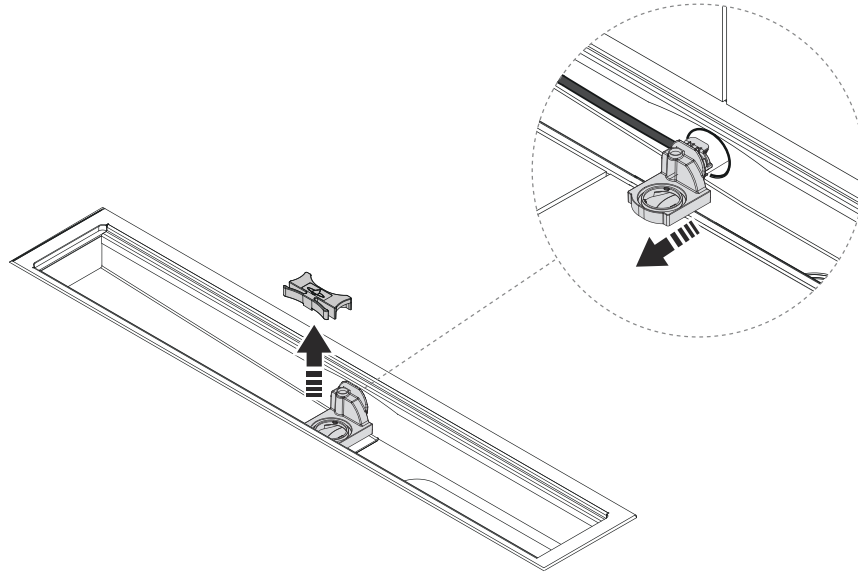
-
6. Unlock the Sensor Tank by turning the Sensor Tank Lock 90° counterclockwise.



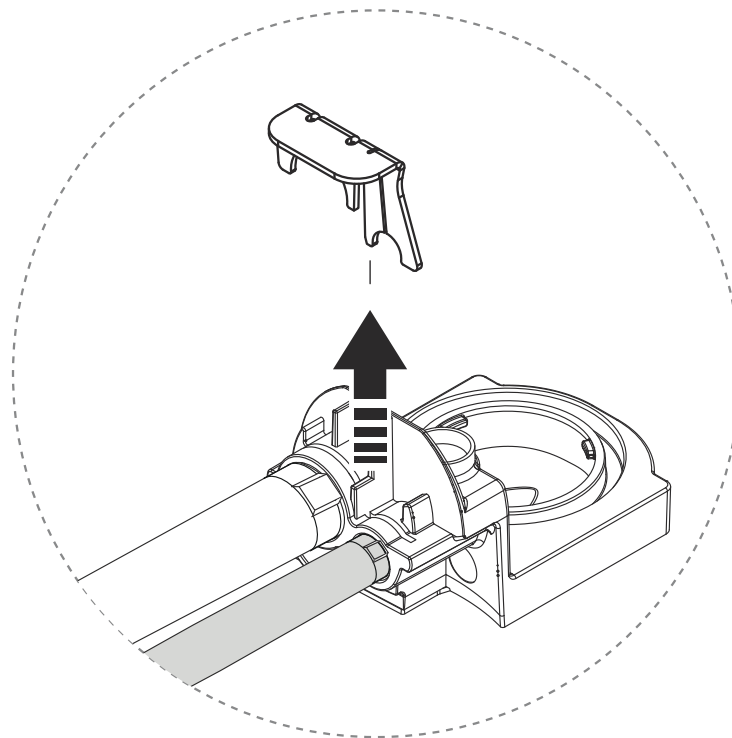
-
7. Lift the Sensor Tank and disconnect the sensor cable by unlocking the connector. Turn the connector flange 90° counterclockwise to unlock.



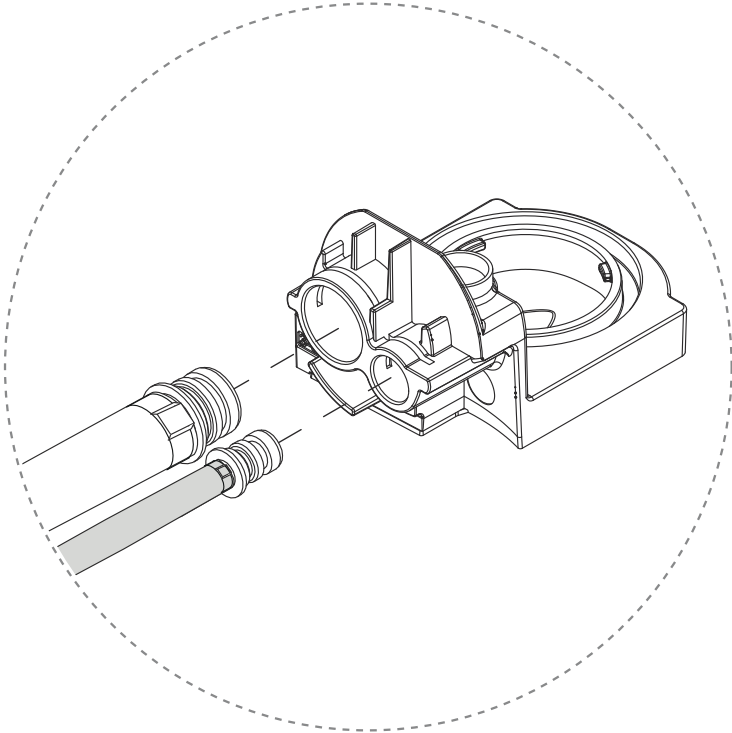
8. Remove the spring lock and pull out the Sensor Tank dock.



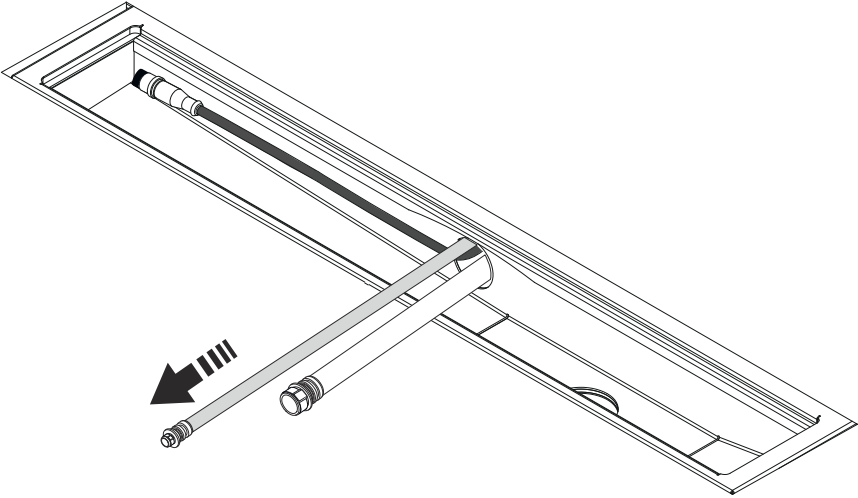
9. Remove the clip to release the hoses.



10. Release the Sensor Tank dock.



11. Pull out the flush hose.

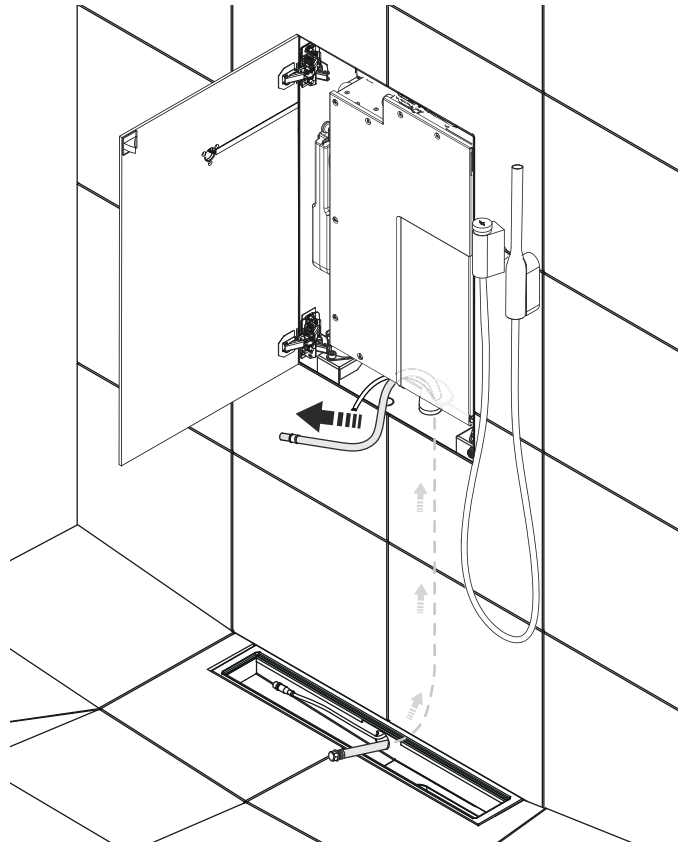


12. Pull out the recirculation hose.

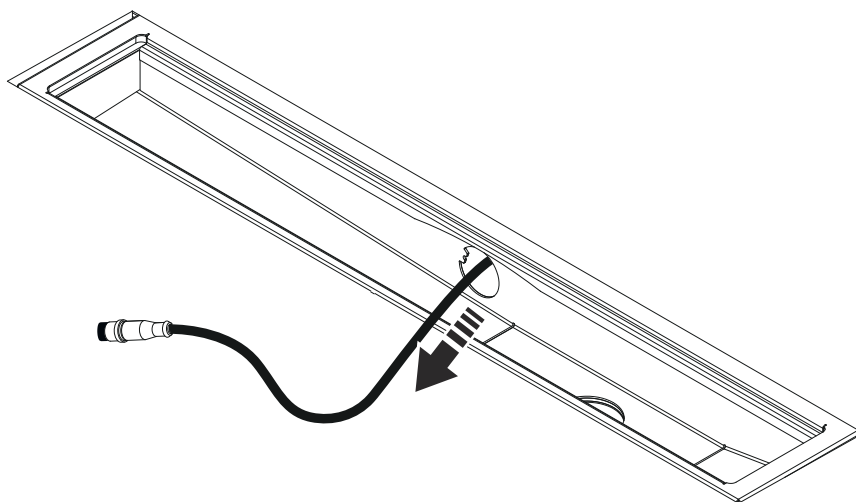


CAUTION

It is important that the circulation hose is pulled out from the top, to minimize the risk of the hose coupling getting stuck in the pipe.

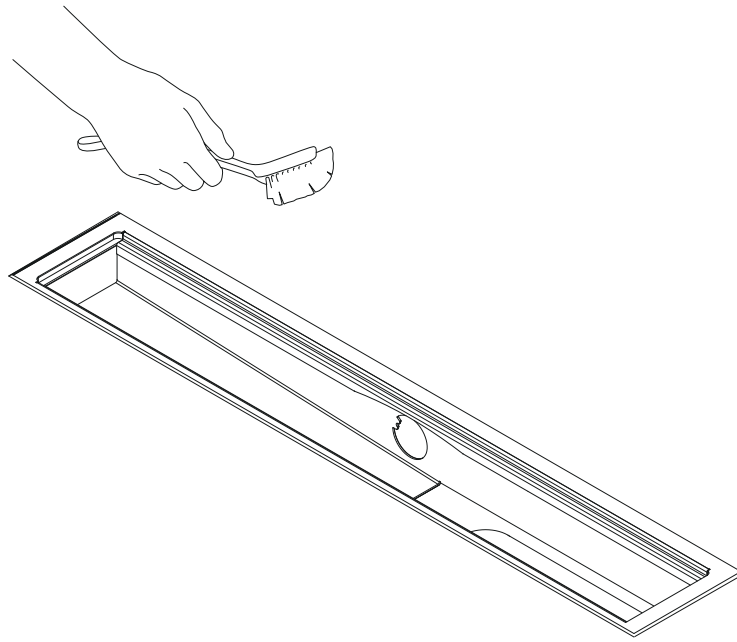


13. Pull out the sensor cable.

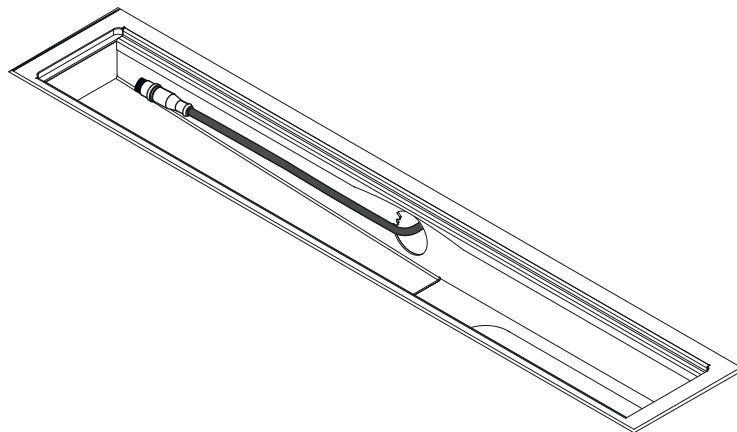


Install Sensor Tank

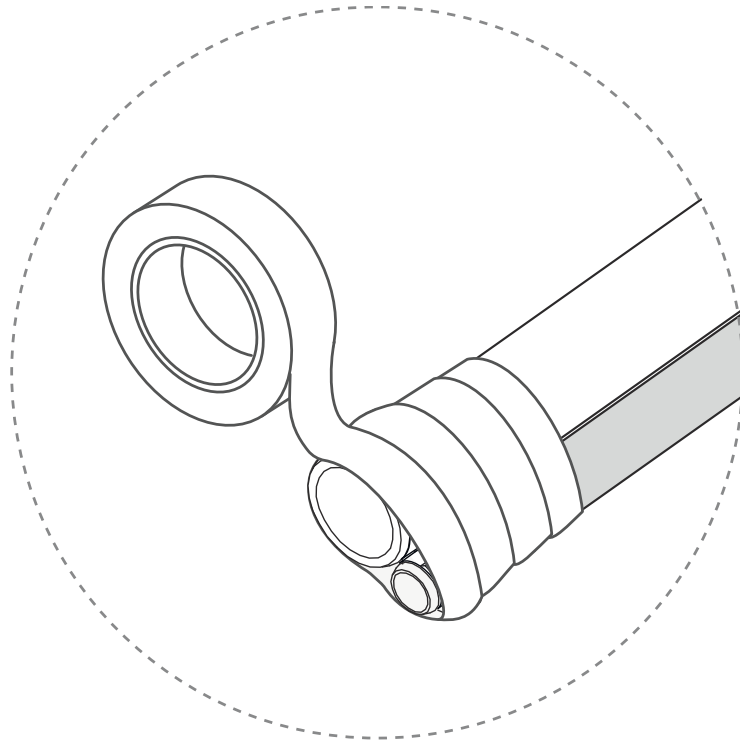
1. Clean the drain unit.



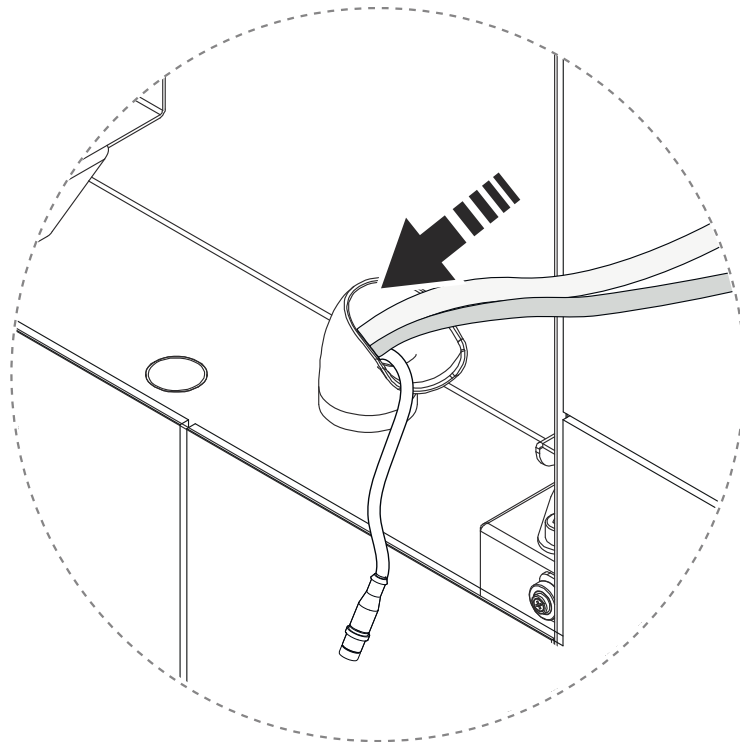
2. Route the sensor cable from the Wall Box through the connection pipe with the large connector down to the Sensor Tank. Pull out the cable about 180 mm in the floor fitting.



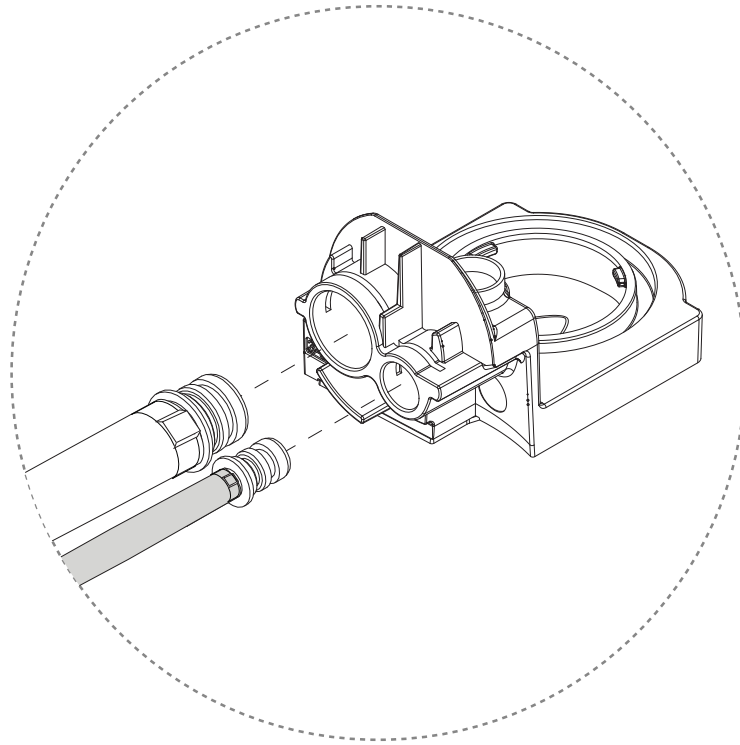
-
3. Tape the flush hose and the recirculation hose together at the end of the couplings, flush hose on the left. Make sure that the couplings, especially the o-rings, are carefully covered with tape.



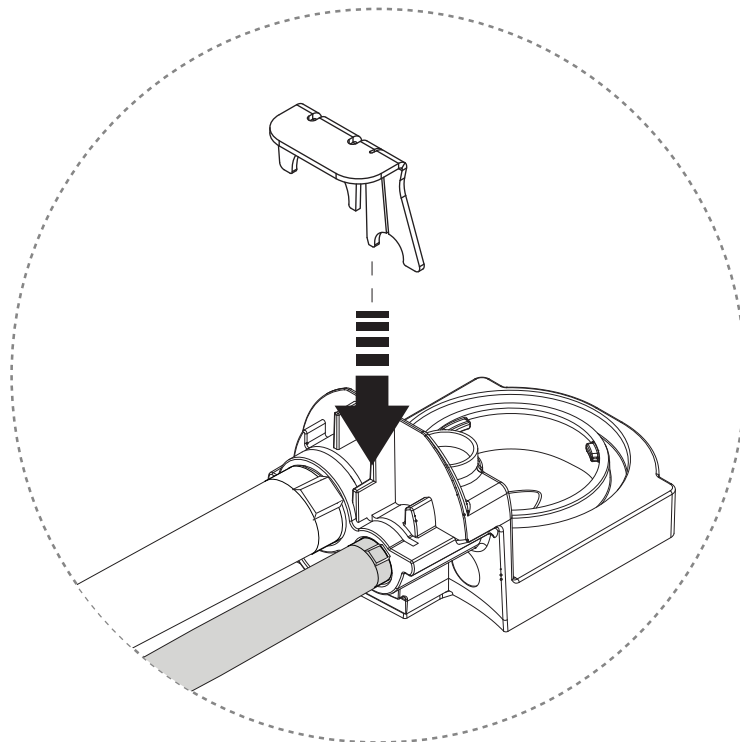
-
4. Pull the hoses through the connection pipe, with the couplings down towards the Sensor Tank. A tension spring is recommended for smooth installation.



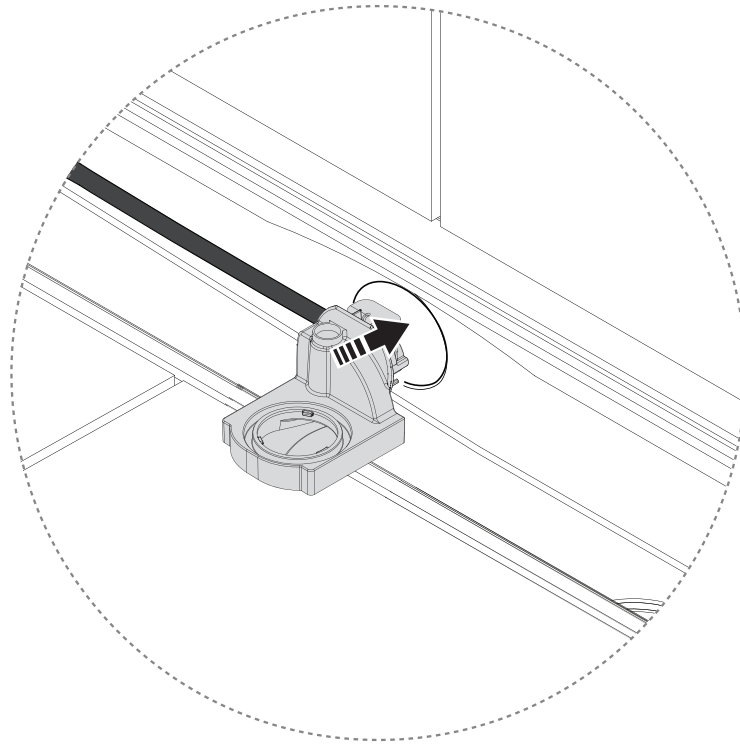
-
5. Apply fitting grease and connect the hoses to the Sensor Tank dock.



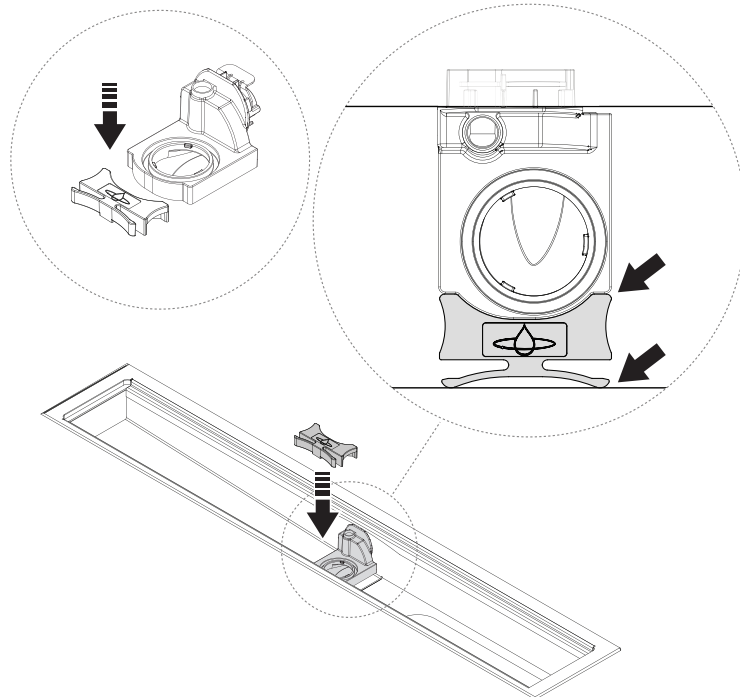
-
6. Lock the hoses using the clip. Press the clip down until it clicks.



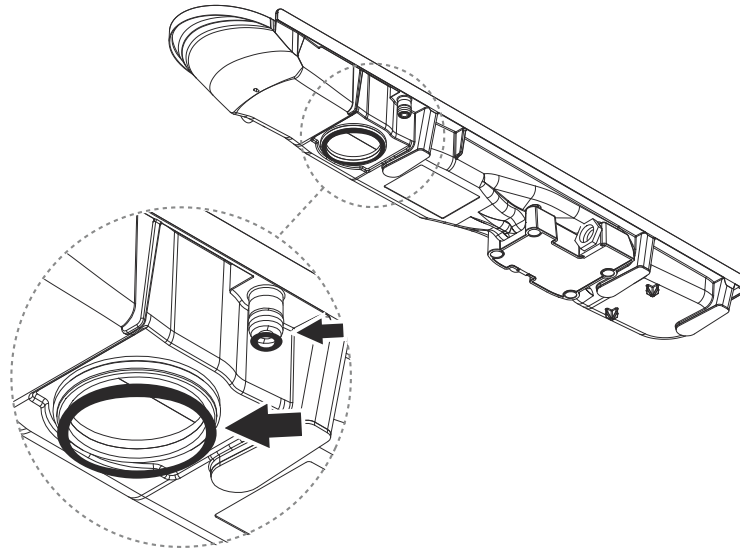
-
7. Insert the dock into the connecting pipe and push it all the way in.



-
8. Lock the Sensor Tank dock in place with the spring lock. Ensure that the sensor cable is not pinched.



9. Apply grease to the Sensor Tank o-rings.

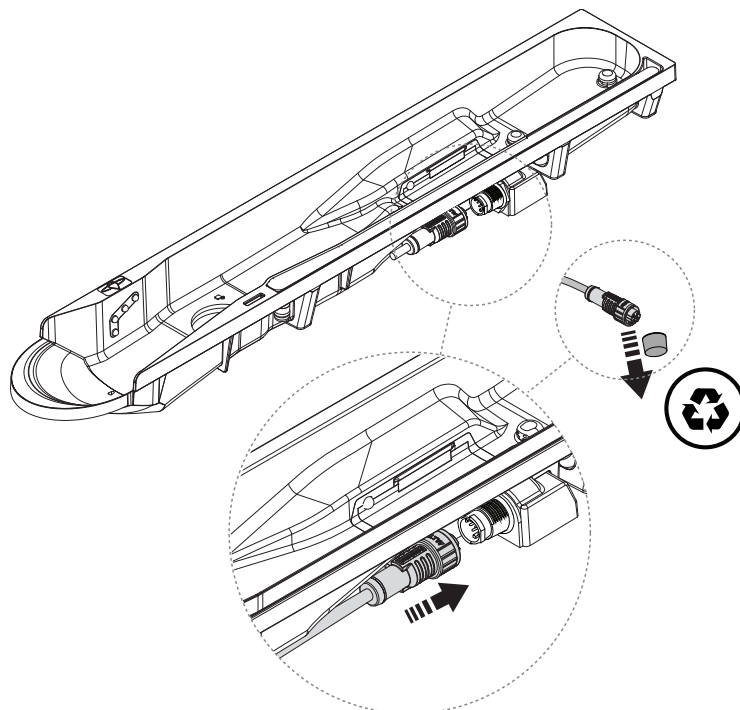


10. Remove the protective cap from the sensor cable, and connect the cable to the Sensor Tank.



CAUTION

Make sure to have correct alignment between the groove and the pin when connecting.

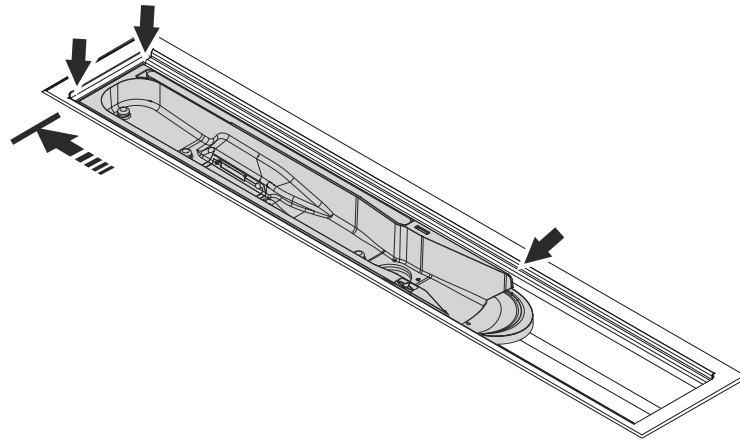


11. Insert the Sensor Tank to the drain unit.

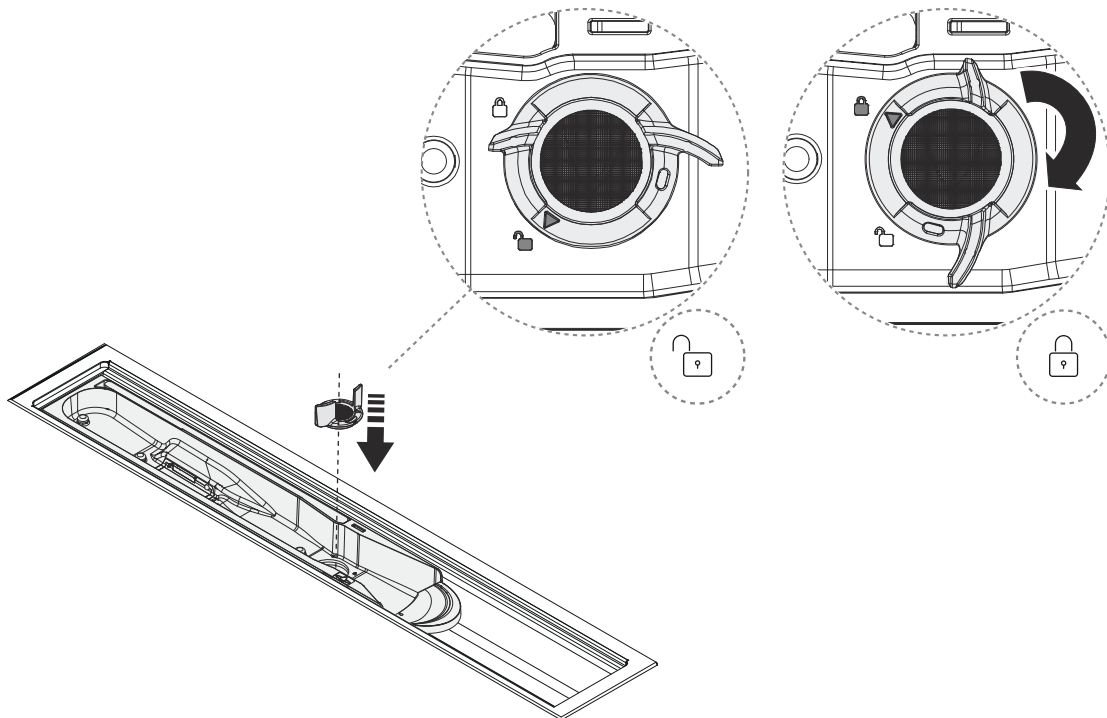


CAUTION

Make sure the Sensor Tank is inserted correctly. Its edge should be fully pushed towards and at level with the edge of the drain unit.



12. Lock the Sensor Tank in place by turning the Sensor Tank Lock 90° clockwise.

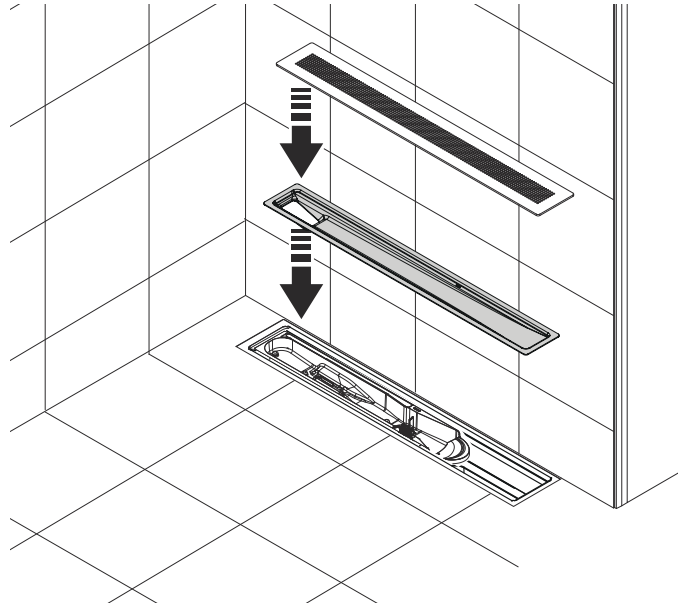


13. Place the Funnel and grate back in place.



NOTE

Place the Funnel with the hole oriented to the left! Placing the hole oriented to the right will disable recirculation.

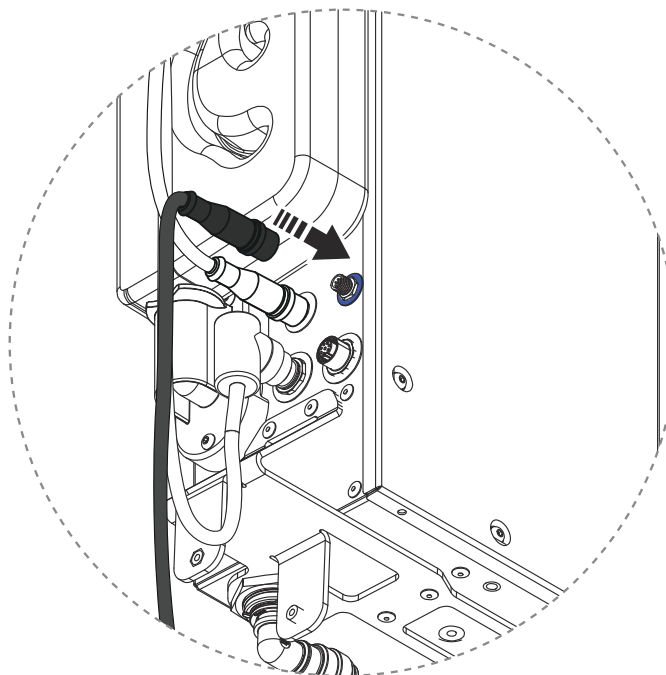


14. Connect the sensor cable to the communication port on the Core (blue port). The connector should be tightened by hand.

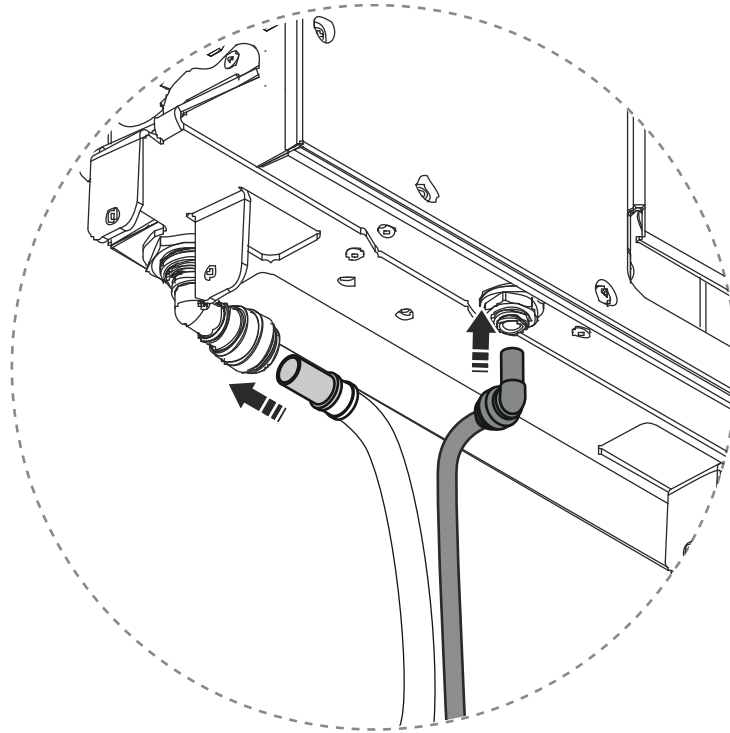


CAUTION

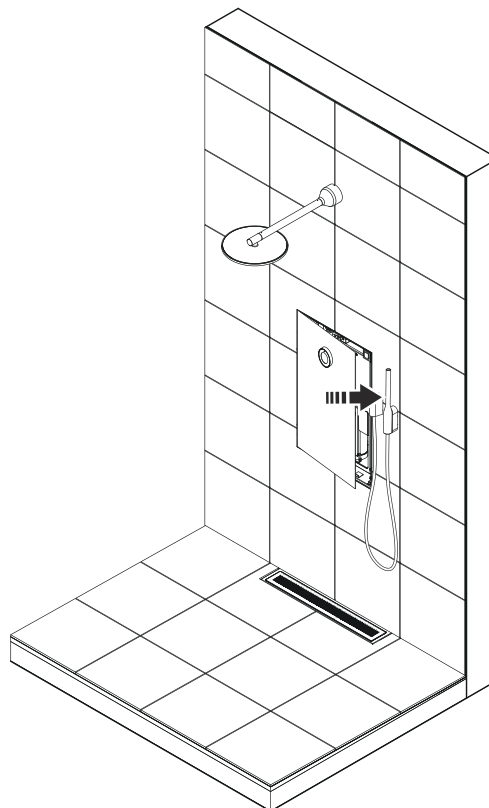
Ensure correct alignment between the connector and communication port. This must be done with particular attention to prevent damage to the pins.



15. Apply fixture grease and connect the recirculation hose and flush hose to the Core.



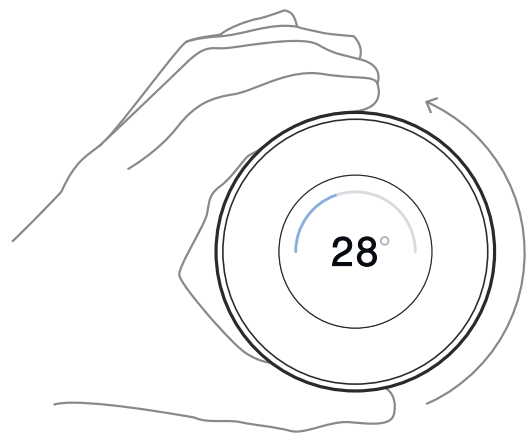
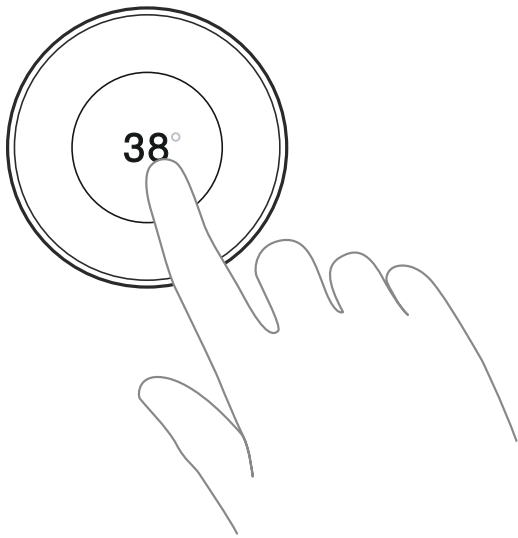
16. Close the door to the Wall Box.



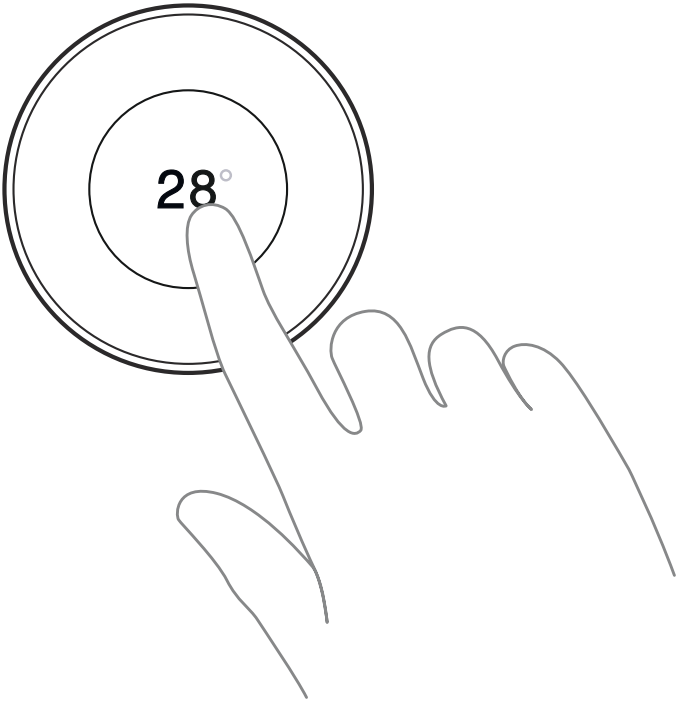
17. Turn on the power.



18. Start the shower to validate the Sensor Tank replacement. Set the temperature to 28°C. The shower should start recycling and show a count on the Control Dial within 5 minutes without increased noise level.



19. Turn off the shower.



20. Recycle the parts and components that should not be reused. ♻️

3. Swap Sensor Tank Misc. - Remote

This instruction shows how to swap the Sensor Tank with accessories in a remote installation (shower model Hatch, Cabinet, or Basic), where the Core is installed outside of the shower area. Follow the instructions in detail, and don't hesitate to reach out if you have any questions - support@orbital-systems.com.

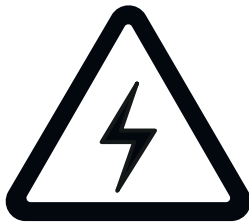
Use the following kit to swap the Sensor Tank.

1-04-0130 - Swap Sensor Tank + Misc. kit - Remote:

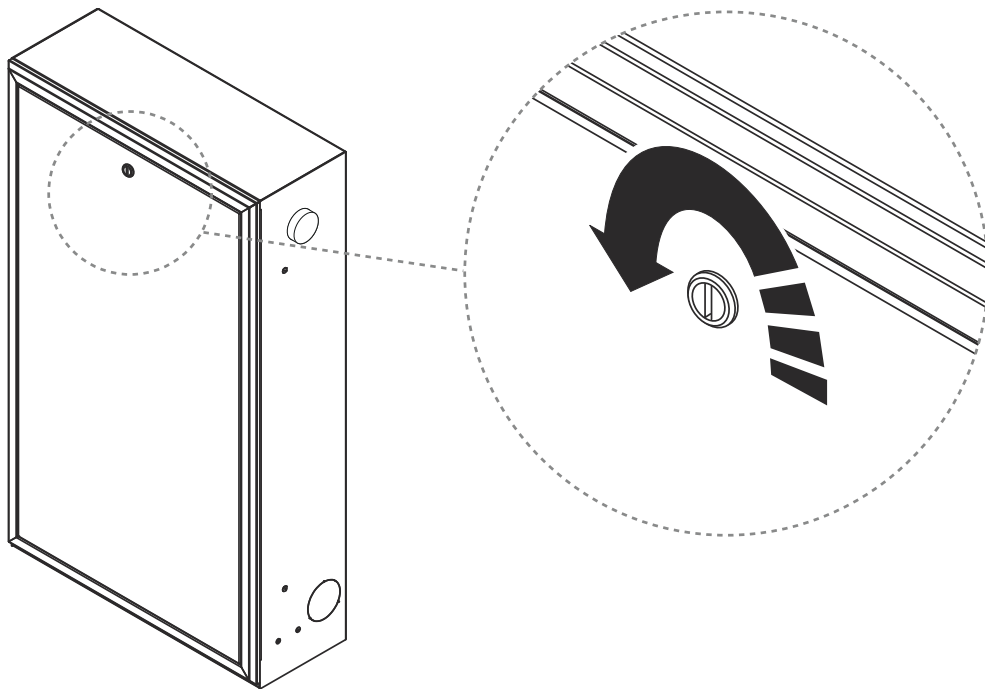
- Sensor Tank
- Filter Capsule
- Sensor cable
- Flush hose
- Recirculation hose
- Tank accessory parts

Dismantle Sensor Tank

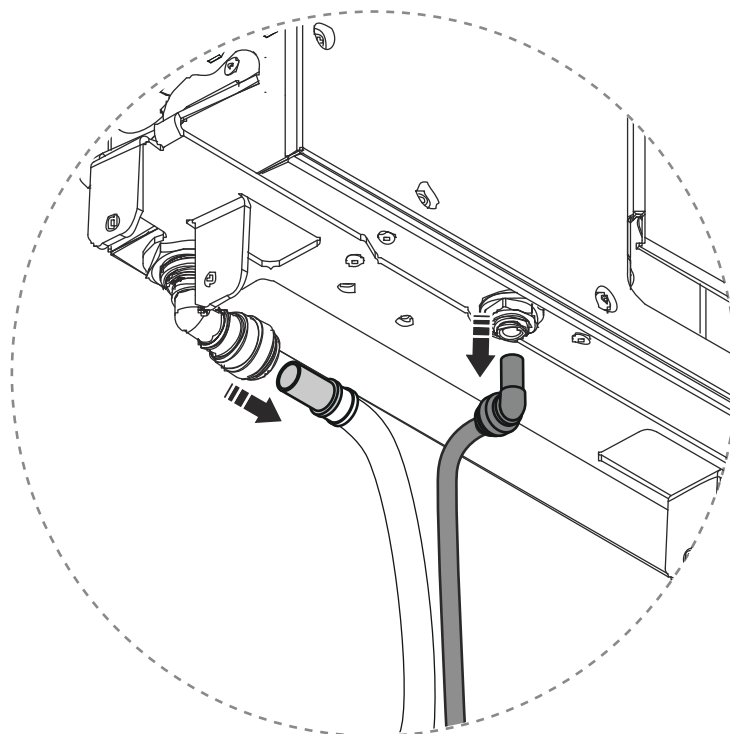
1. Turn off the power.



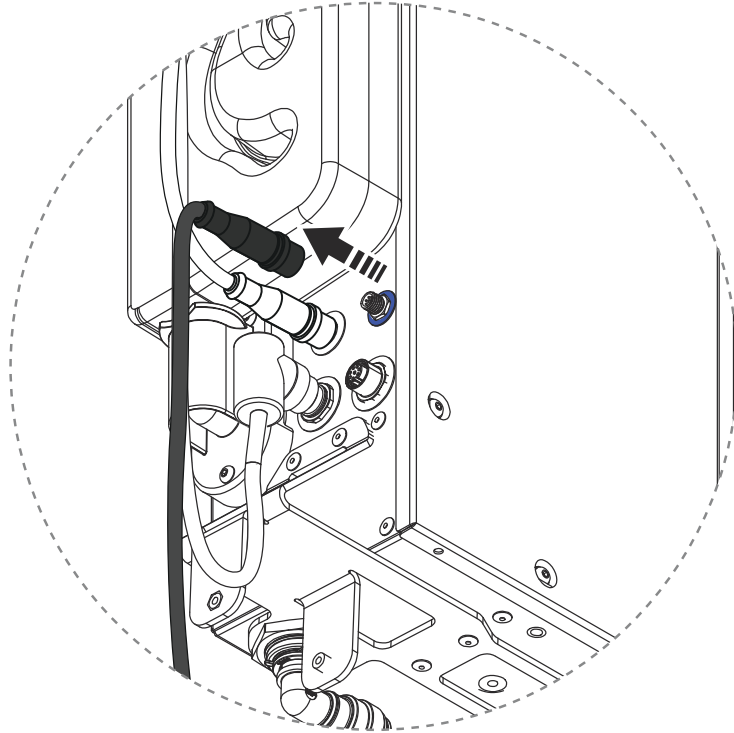
-
2. **When installing with a Cabinet or Hatch:** Open the door to the Wall Box and put the door and splash guards aside.



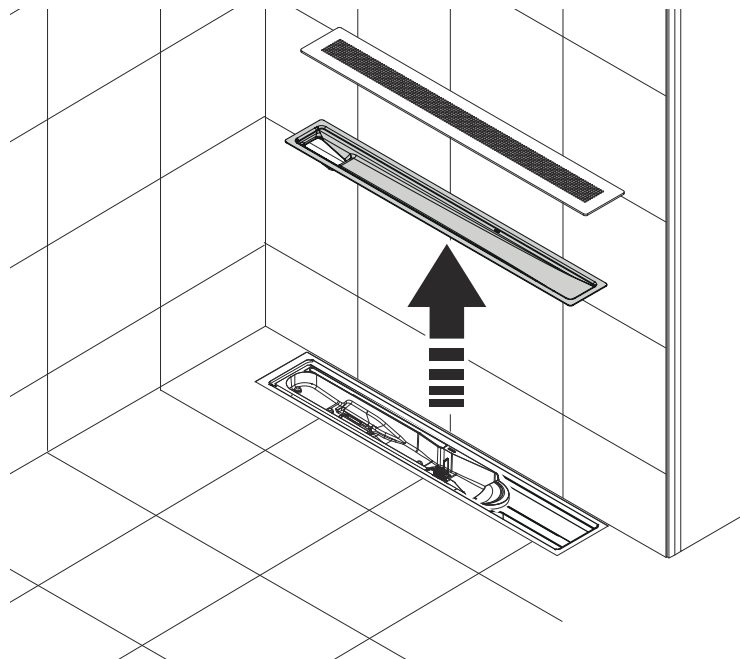
-
3. Disconnect the flush hose and recirculation hose from the bottom of the Core.



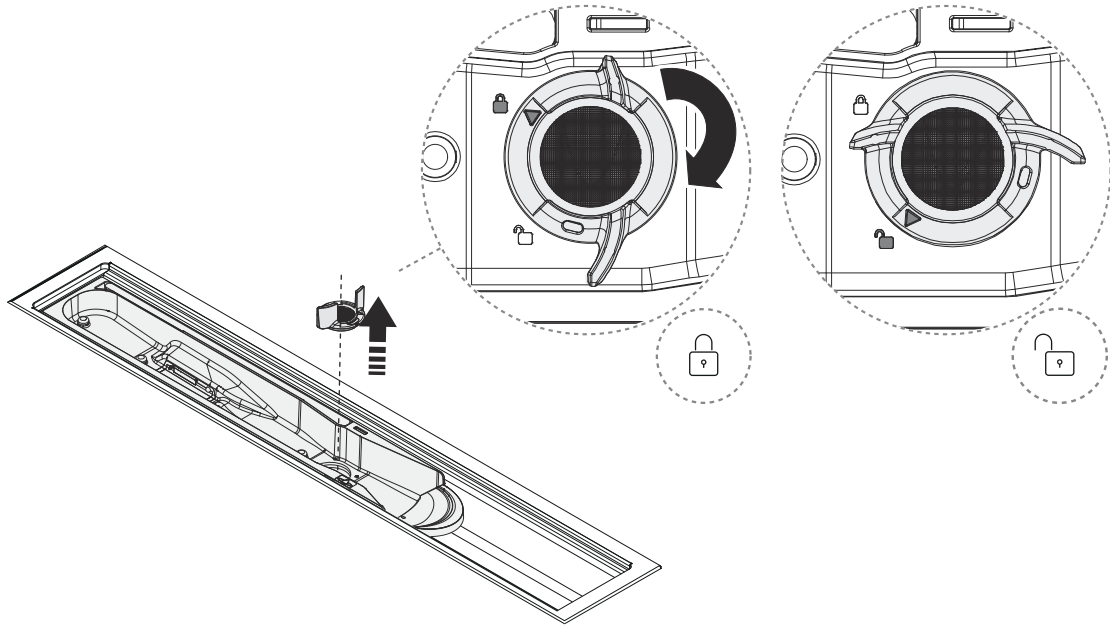
4. Disconnect the sensor cable.



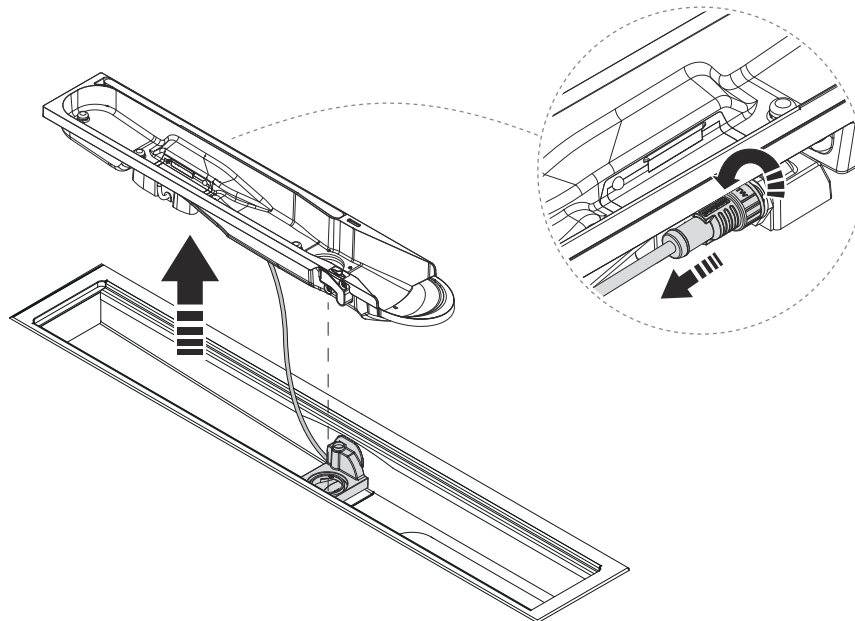
5. Lift the grate and Funnel.



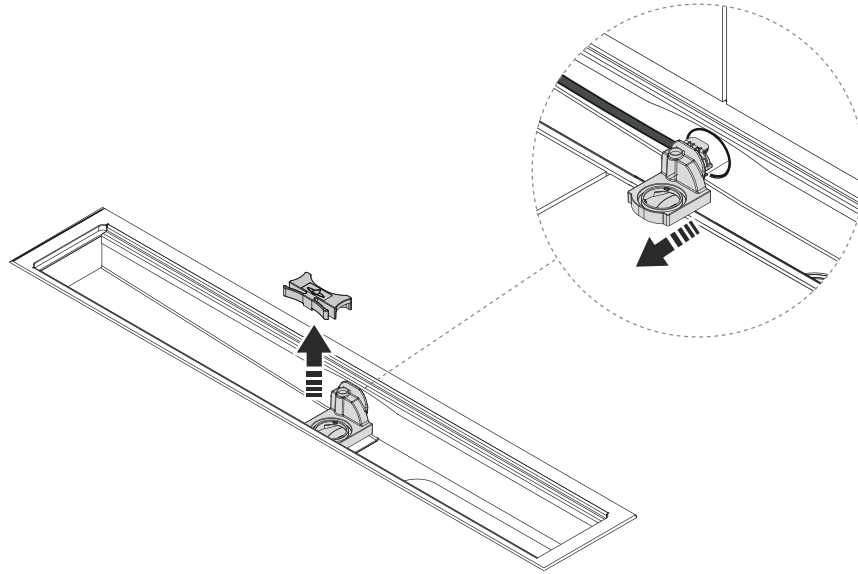
6. Unlock the Sensor Tank by turning the Sensor Tank Lock 90° counterclockwise.



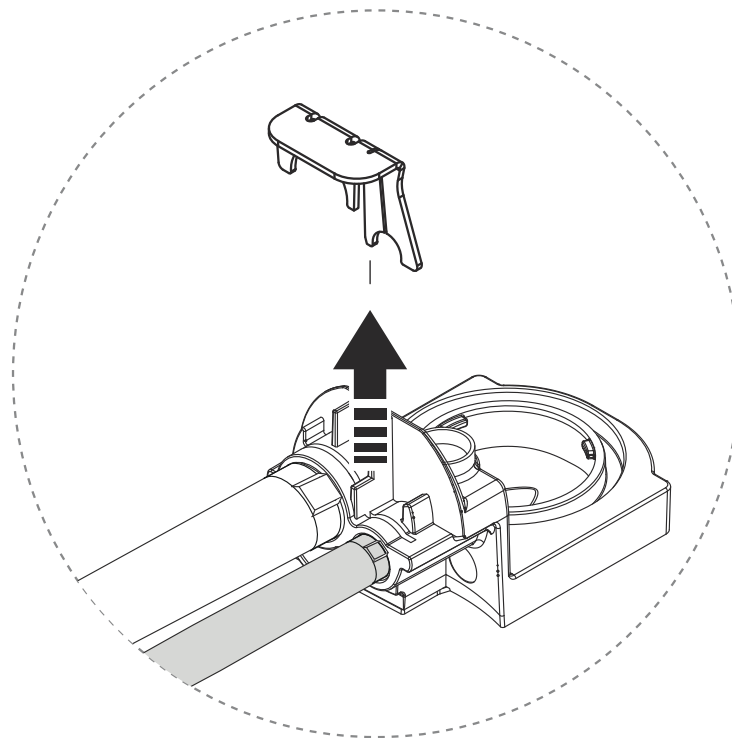
7. Lift the Sensor Tank and disconnect the sensor cable by unlocking the connector. Turn the connector flange 90° counterclockwise to unlock.



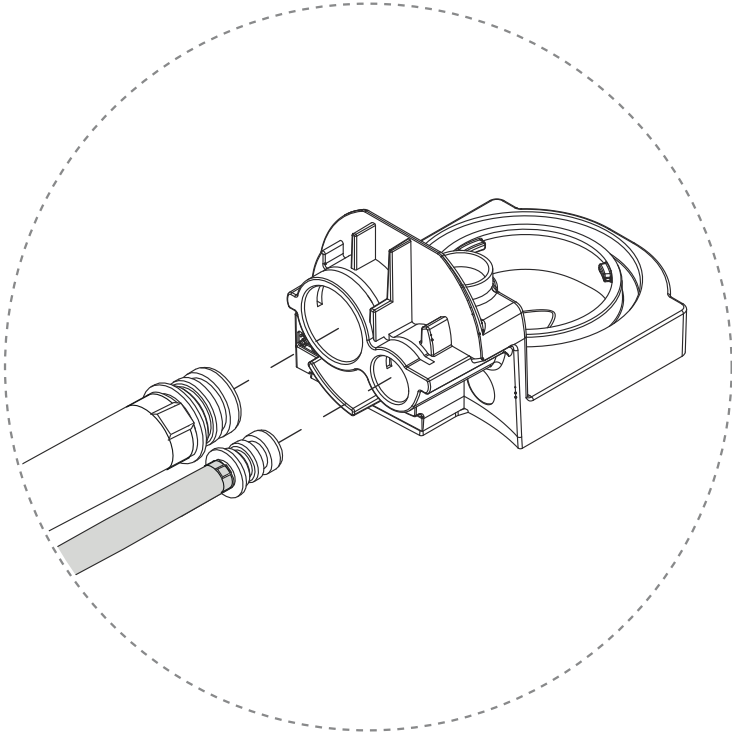
8. Remove the spring lock and pull out the Sensor Tank dock.



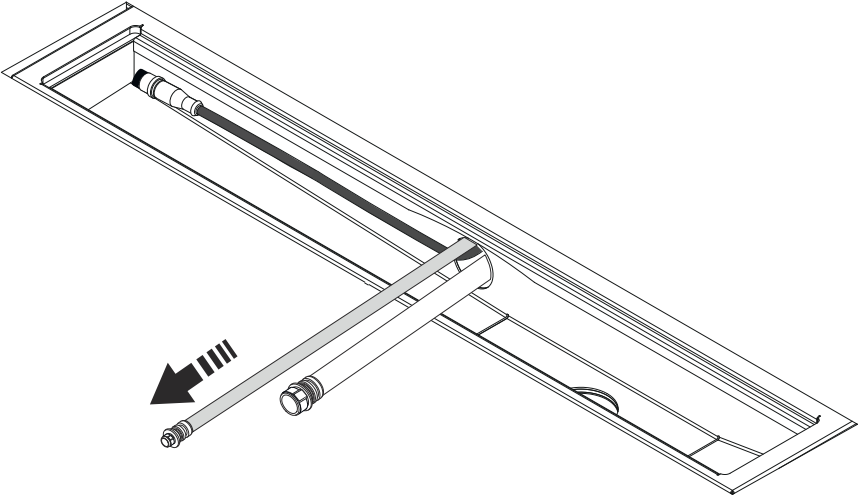
9. Remove the clip to release the hoses.



10. Release the Sensor Tank dock.



11. Pull out the flush hose.



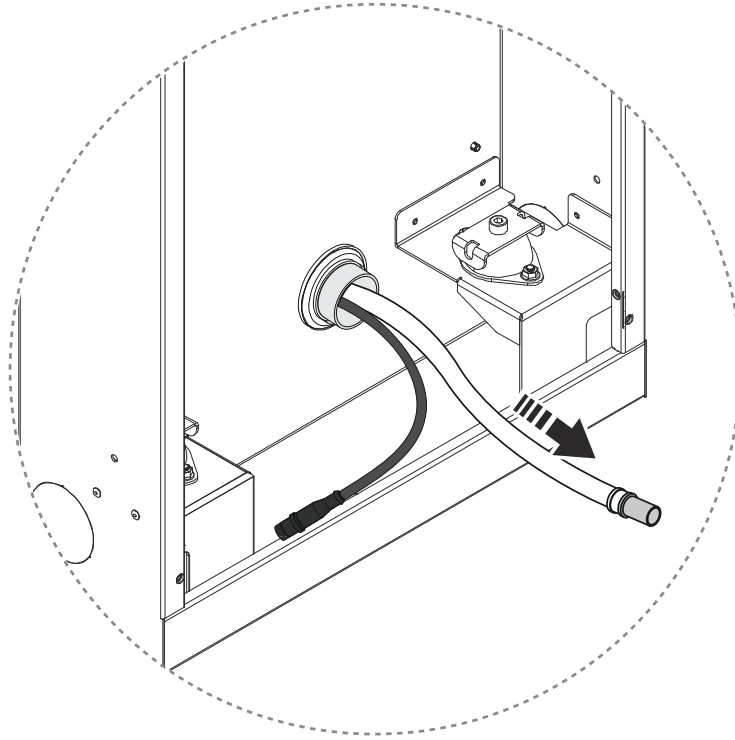
12. Pull out the recirculation hose.



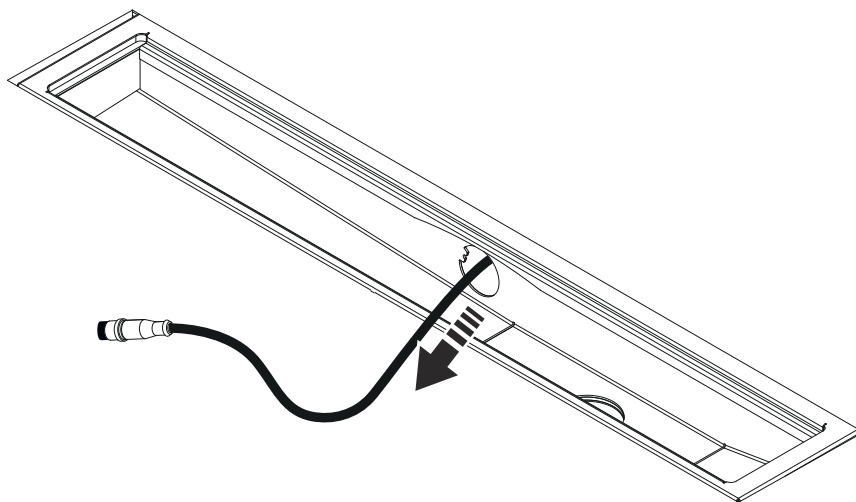
CAUTION

It is important that the circulation hose is pulled out from the top, to minimize the risk of the hose coupling getting stuck in the pipe.

Note that the location of the Core looks different depending on the model the customer has. The connection pipe can be located in the right or left side of the Wall Box, or in the back. In an installation with Basic there is no Wall Box.

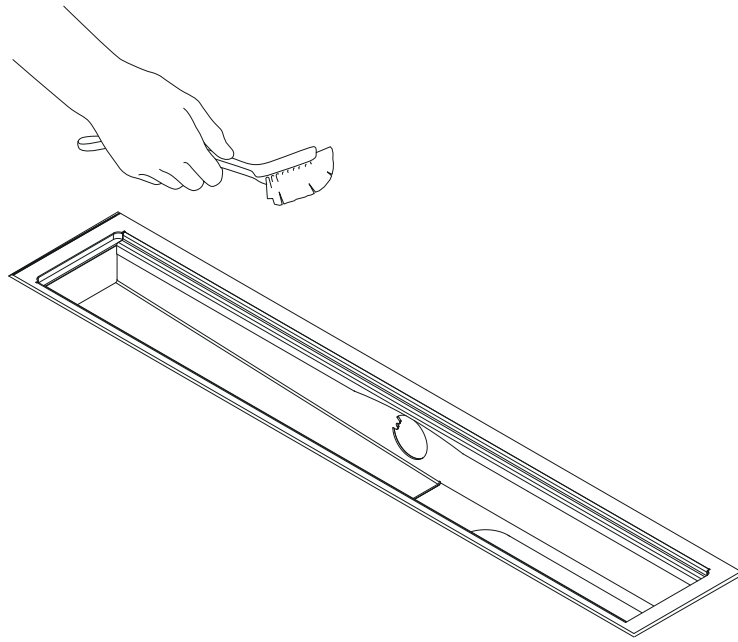


13. Pull out the sensor cable.

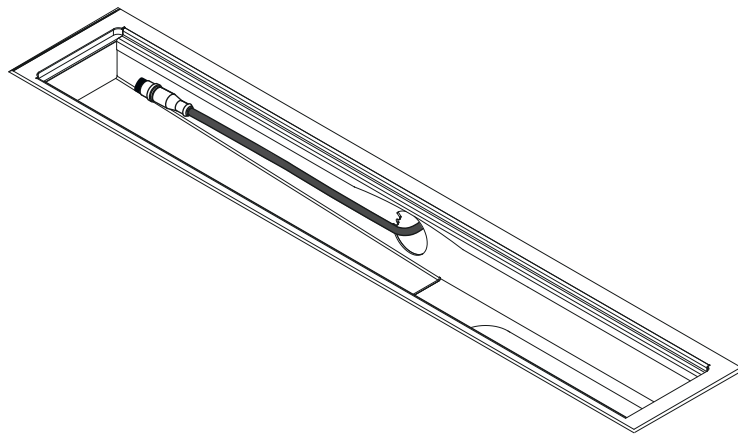


Install Sensor Tank

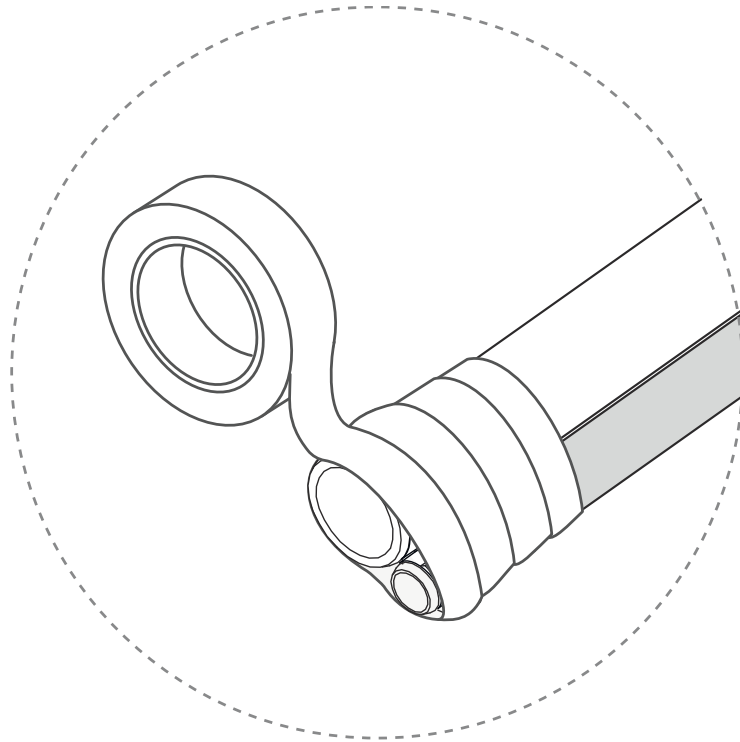
1. Clean the drain unit.



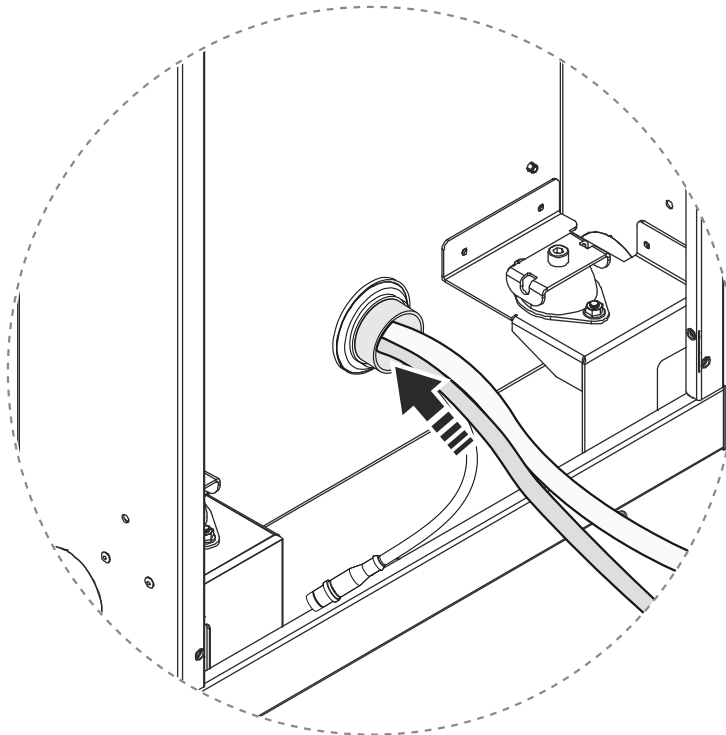
2. Route the sensor cable from the Wall Box through the connection pipe with the large connector down to the Sensor Tank. Pull out the cable about 180 mm in the floor fitting.



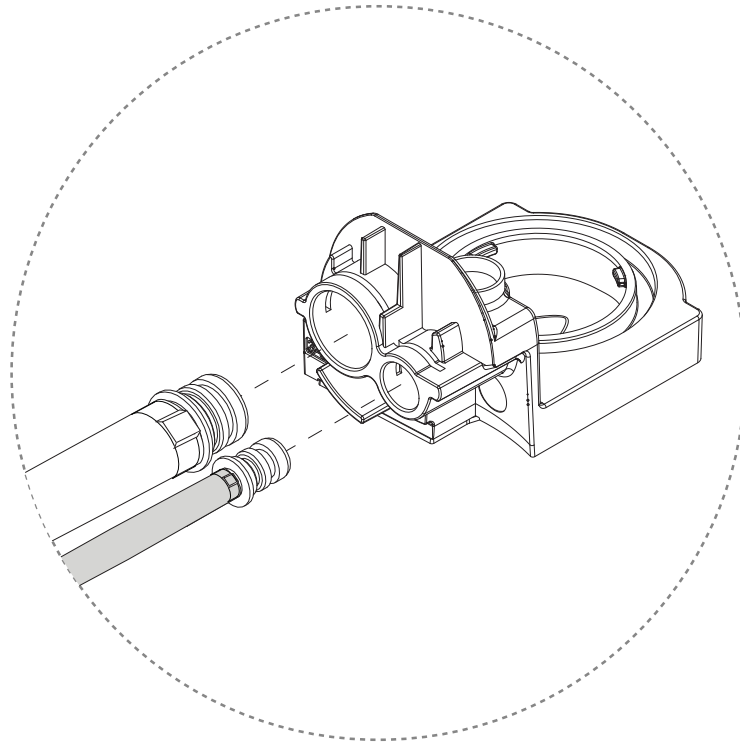
-
3. Tape the flush hose and the recirculation hose together at the end of the couplings, flush hose on the left. Make sure that the couplings, especially the o-rings, are carefully covered with tape.



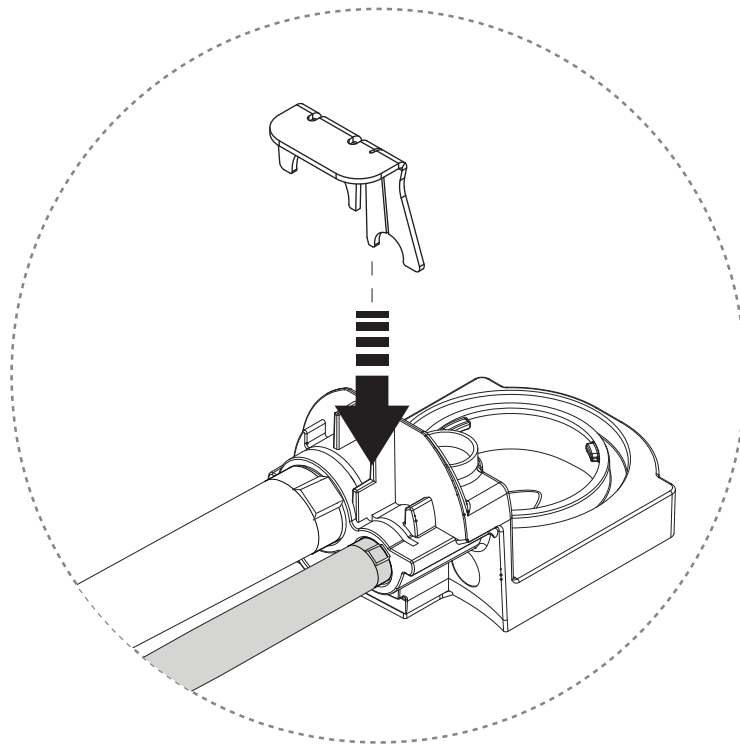
-
4. Pull the hoses through the connection pipe, with the couplings down towards the Sensor Tank. A tension spring is recommended for smooth installation.



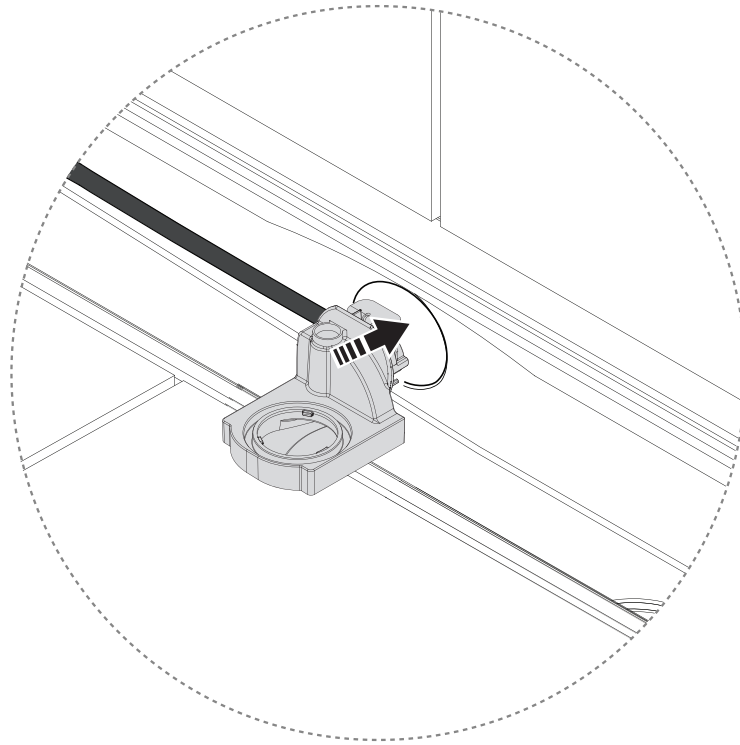
-
5. Apply fitting grease and connect the hoses to the Sensor Tank dock.



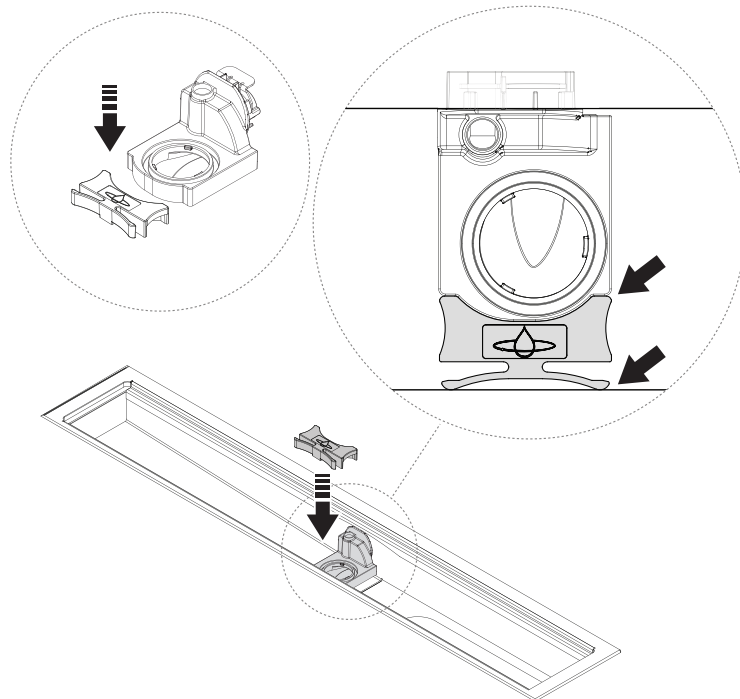
-
6. Lock the hoses using the clip. Press the clip down until it clicks.



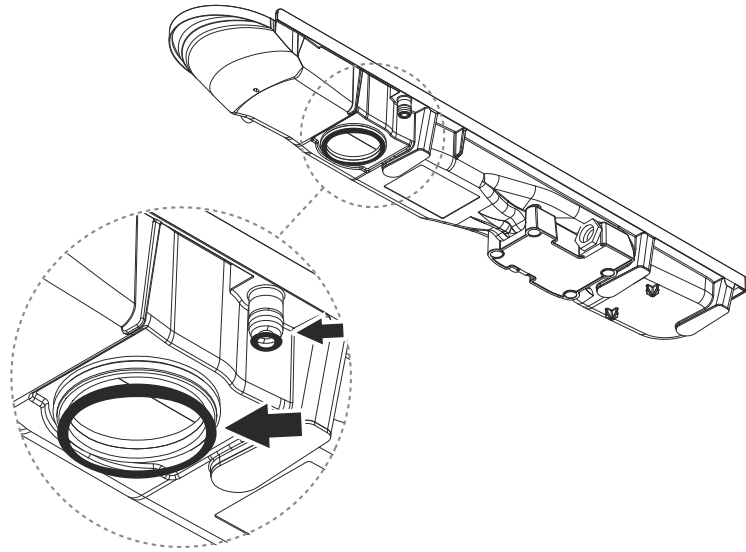
-
7. Insert the dock into the connecting pipe and push it all the way in.



-
8. Lock the Sensor Tank dock in place with the spring lock. Ensure that the sensor cable is not pinched.



9. Apply grease to the Sensor Tank o-rings.

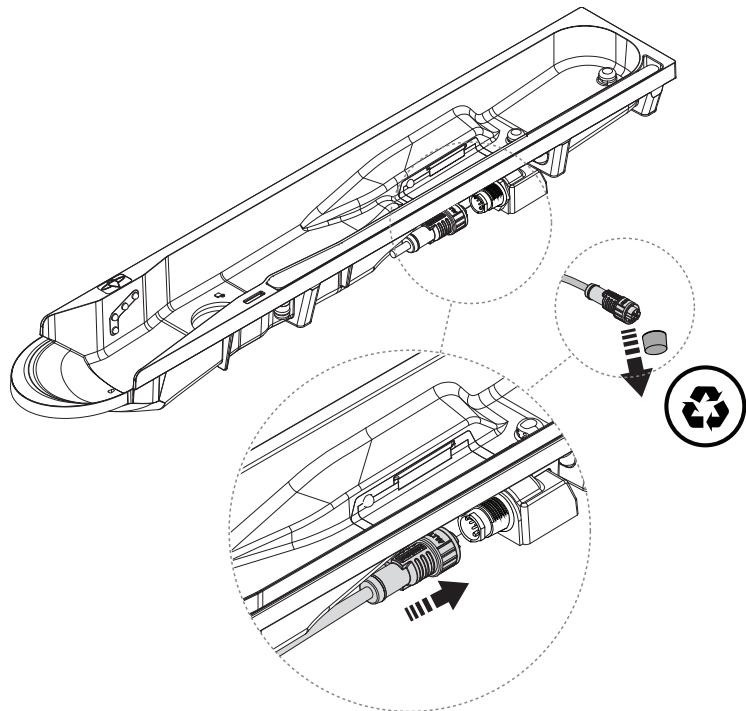


10. Remove the protective cap from the sensor cable, and connect the cable to the Sensor Tank.



CAUTION

Make sure to have correct alignment between the groove and the pin when connecting.

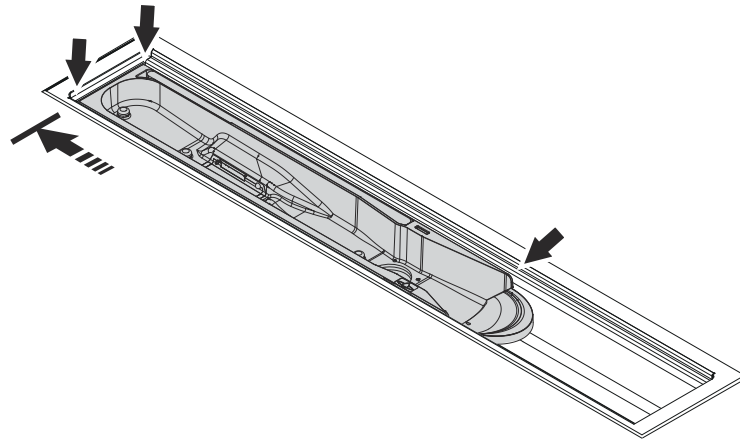


11. Insert the Sensor Tank to the drain unit.

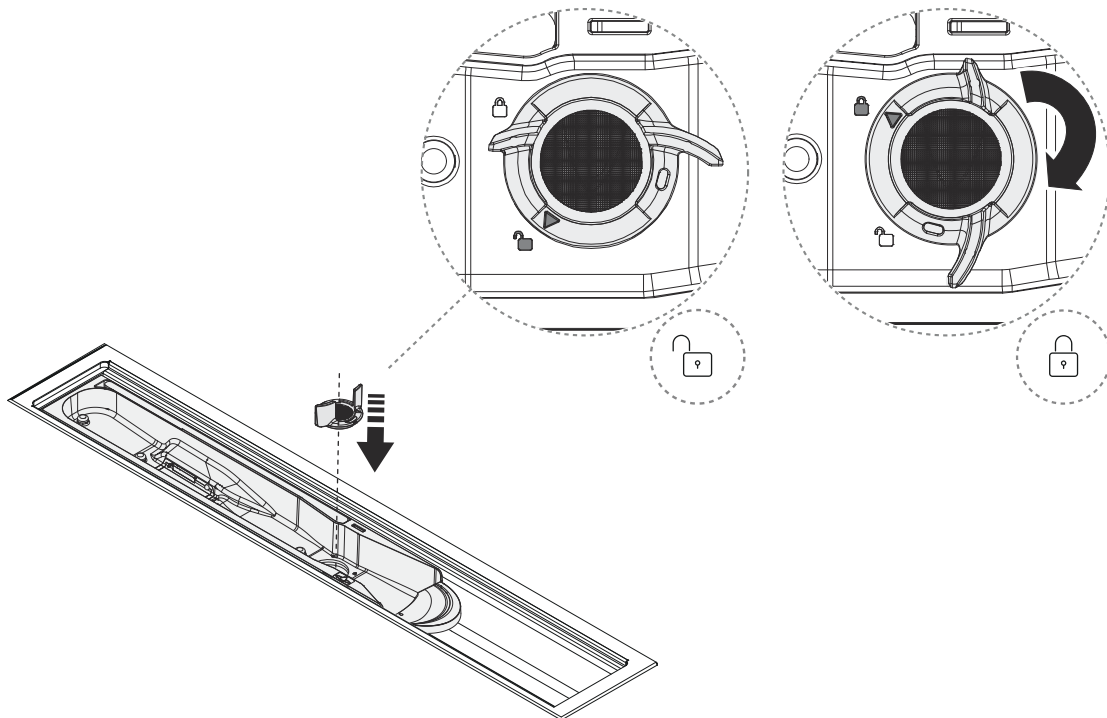


CAUTION

Make sure the Sensor Tank is inserted correctly. Its edge should be fully pushed towards and at level with the edge of the drain unit.



12. Lock the Sensor Tank in place by turning the Sensor Tank Lock 90° clockwise.

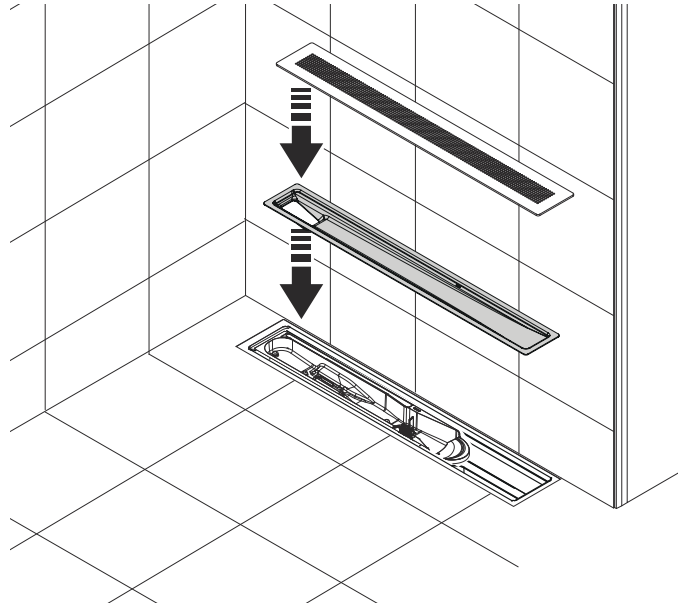


13. Place the Funnel and grate back in place.



NOTE

Place the Funnel with the hole oriented to the left! Placing the hole oriented to the right will disable recirculation.

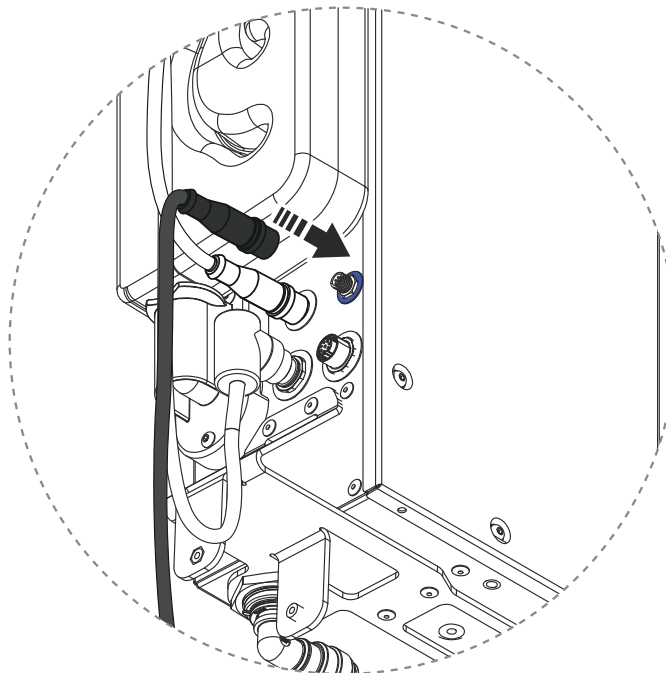


14. Connect the sensor cable to the communication port on the Core (blue port). The connector should be tightened by hand.

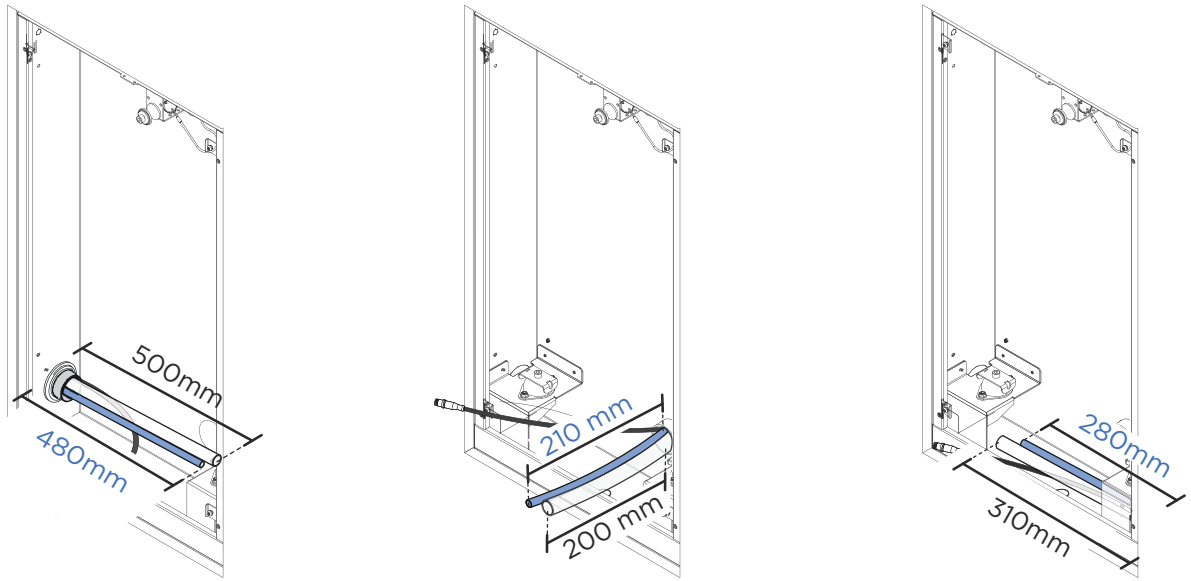


CAUTION

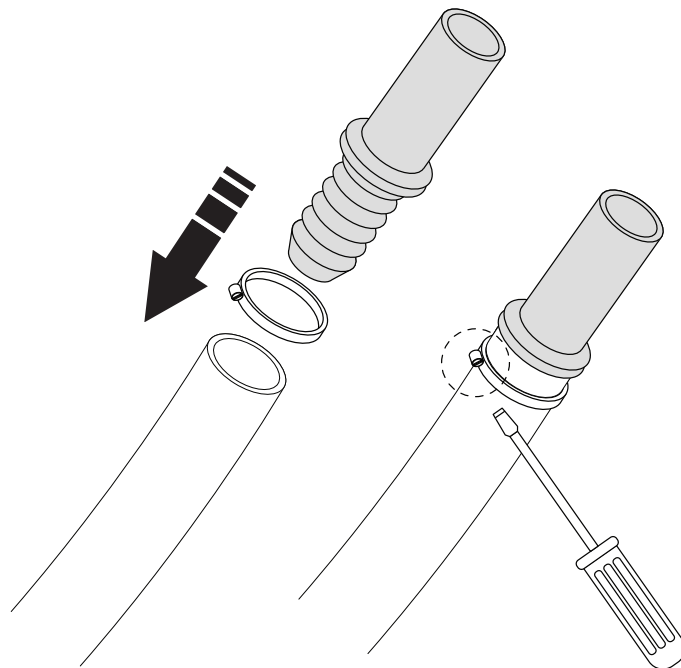
Ensure correct alignment between the connector and communication port. This must be done with particular attention to prevent damage to the pins.



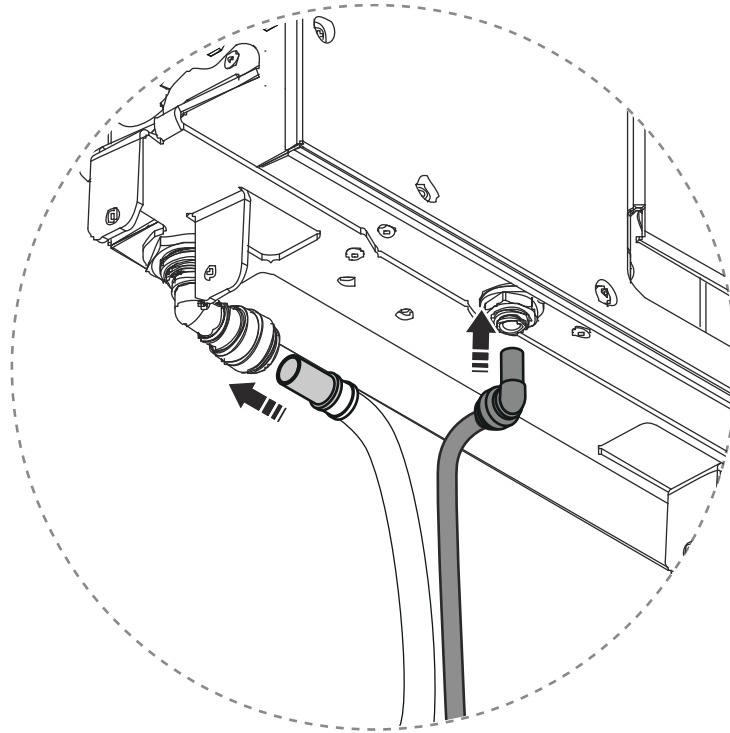
-
- 15.** Cut the circulation hose and the flushing hose according to the measurements below from the rubber grommet of the Wall Box, or from the connection pipe in the case of an installation with Basic, depending on the installation.



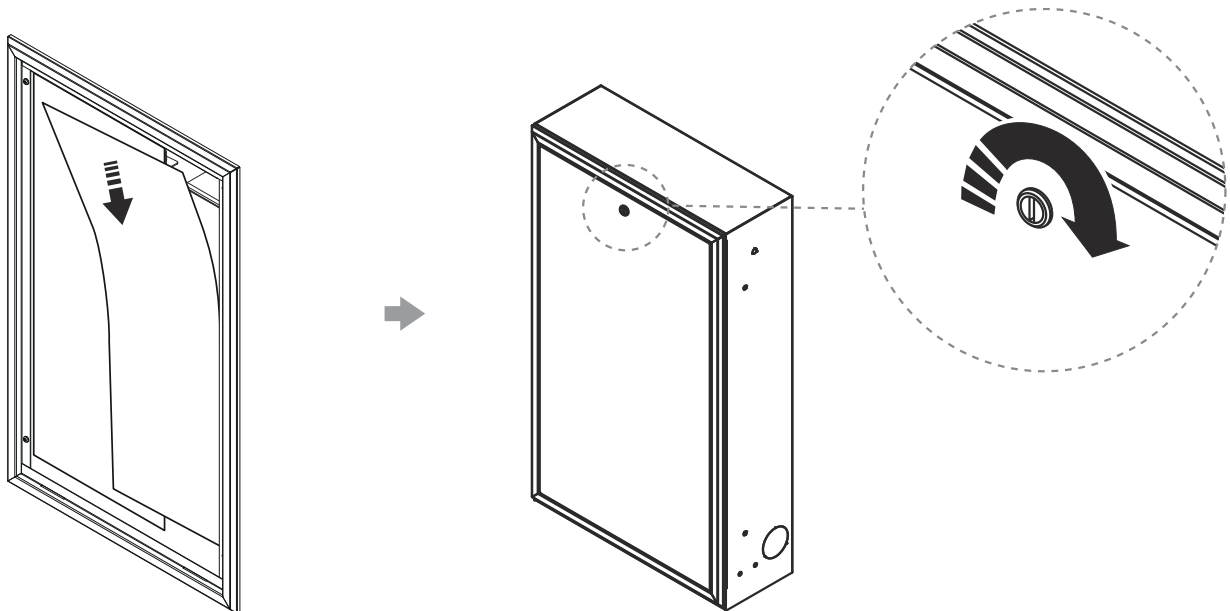
-
- 16.** Apply fitting grease to the separate hose coupling, push all the way into the circulation hose and tighten with the hose clamp.



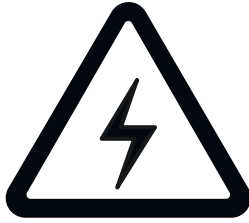
17. Apply fixture grease and connect the recirculation hose and flush hose to the Core.



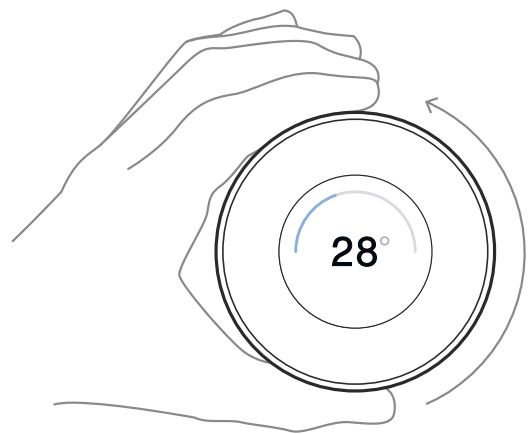
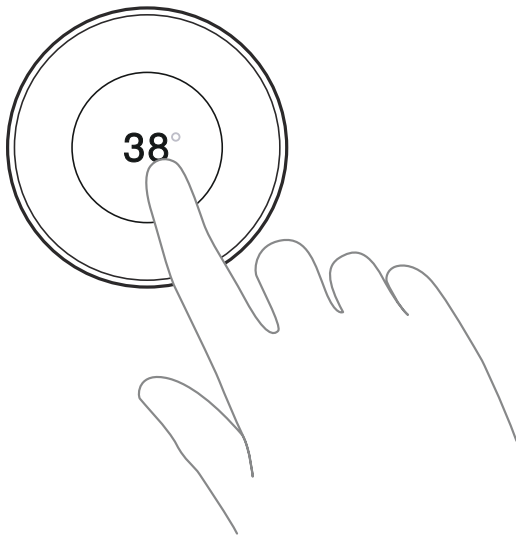
18. **When installing Hatch or Cabinet:** Put back the splash guards and close the door to the Wall Box.



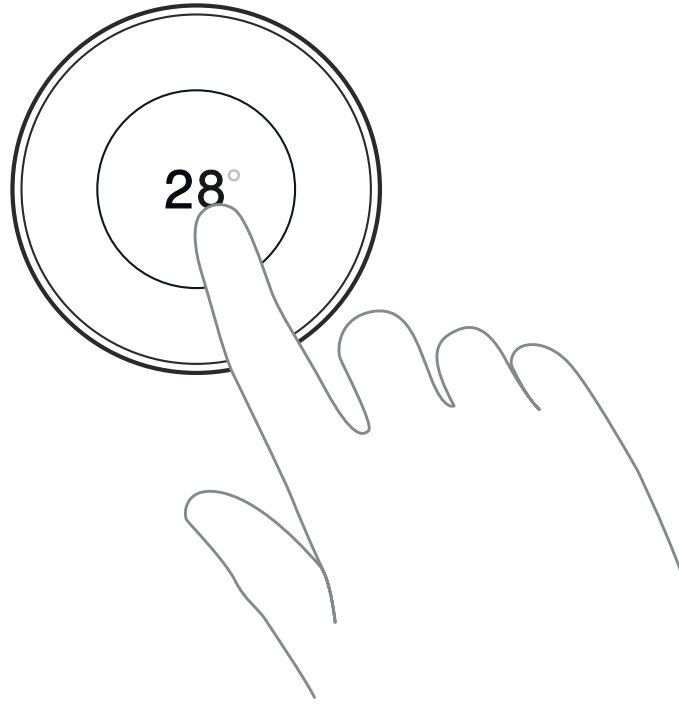
19. Turn on the power.



20. Start the shower to validate the Sensor Tank replacement. Set the temperature to 28°C. The shower should start recycling and show a count on the Control Dial within 5 minutes without increased noise level.



21. Turn off the shower.



22. Recycle the parts and components that should not be reused. ♻️

4. Swap Sensor Tank

This instruction shows how to swap the Sensor Tank without accessories. Follow the instructions in detail, and don't hesitate to reach out if you have any questions - support@orbital-systems.com.

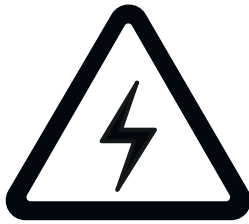
Use the following kit to swap the Sensor Tank.

1-04-0187 - Swap Sensor Tank kit:

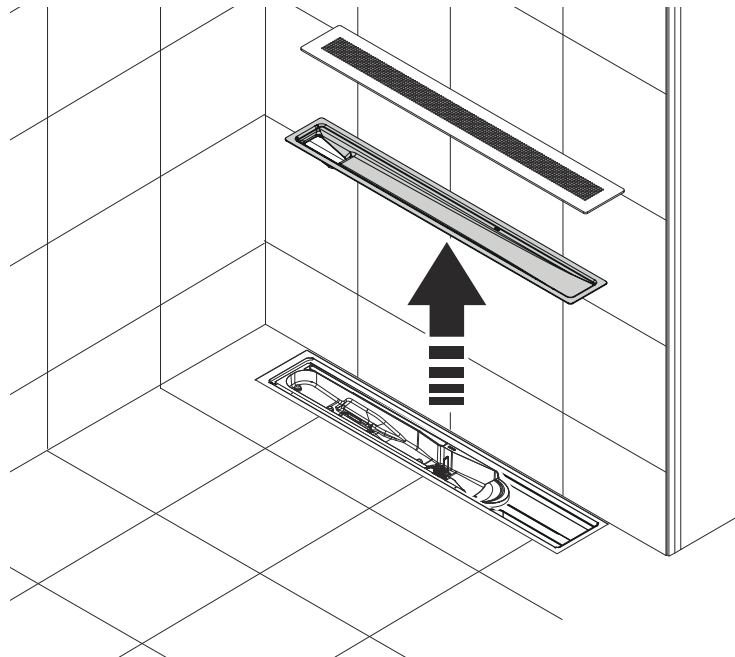
Sensor Tank

Dismantle Sensor Tank

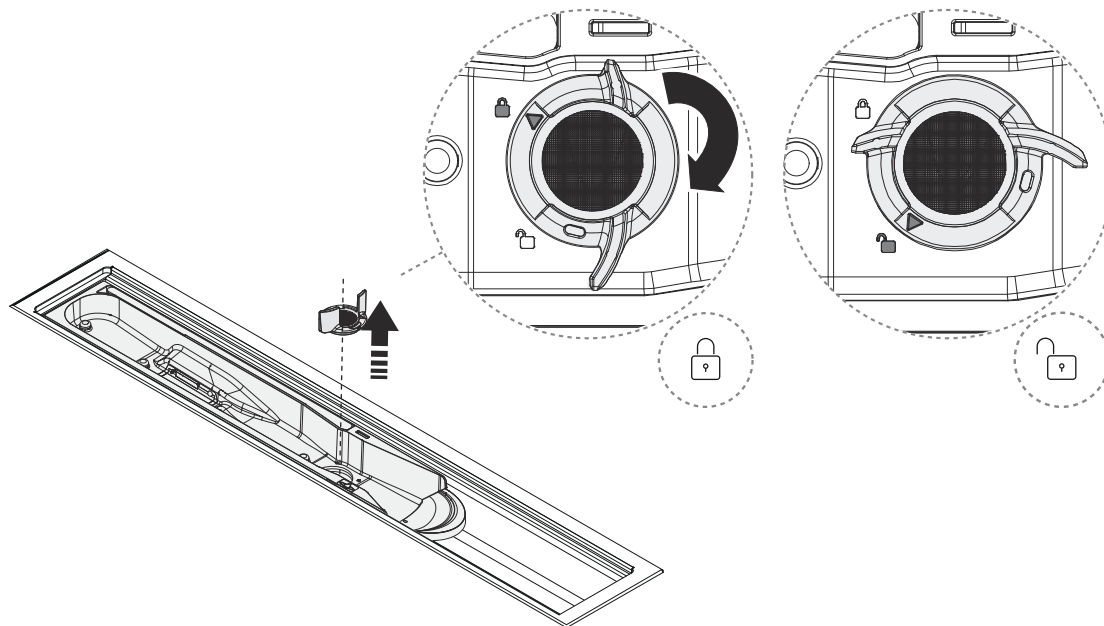
1. Turn off the power.



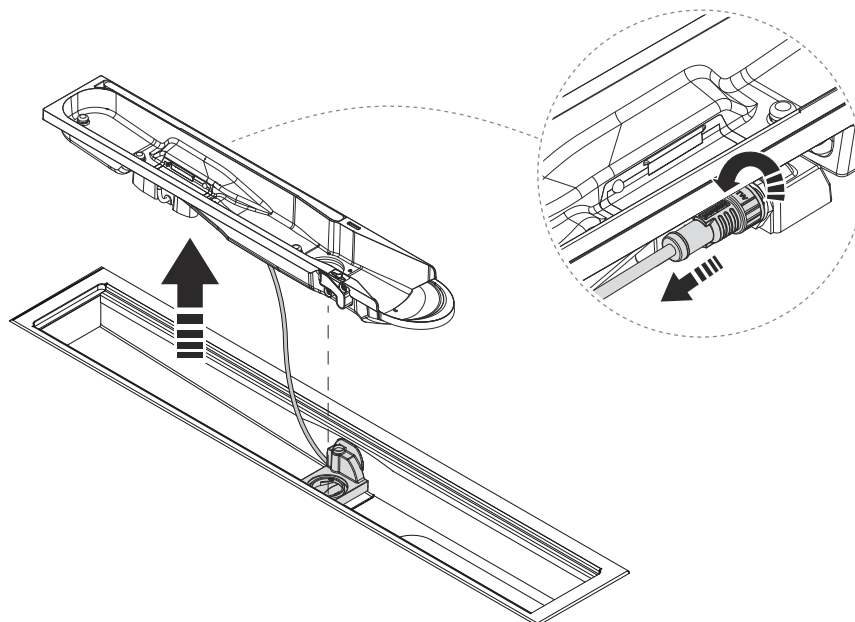
2. Lift the grate and Funnel.



-
3. Unlock the Sensor Tank by turning the Sensor Tank Lock 90° counterclockwise.

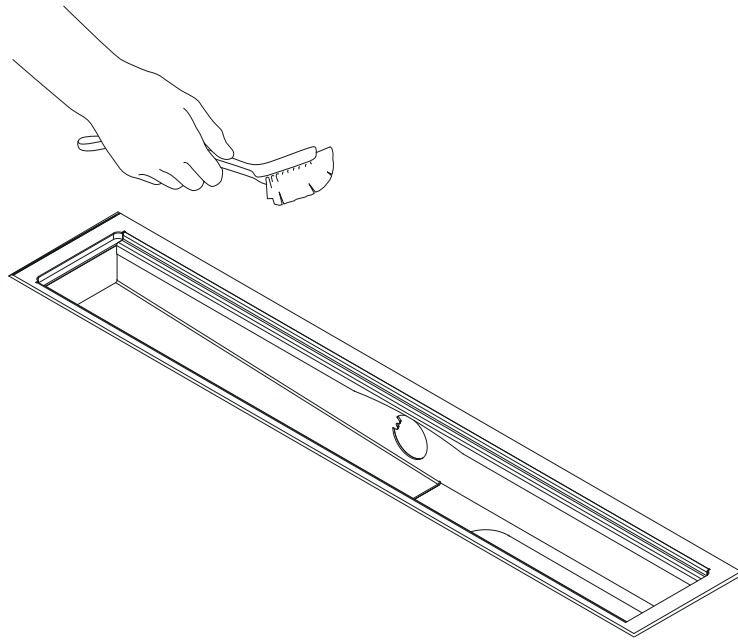


-
4. Lift the Sensor Tank and disconnect the sensor cable by unlocking the connector. Turn the connector flange 90° counterclockwise to unlock.

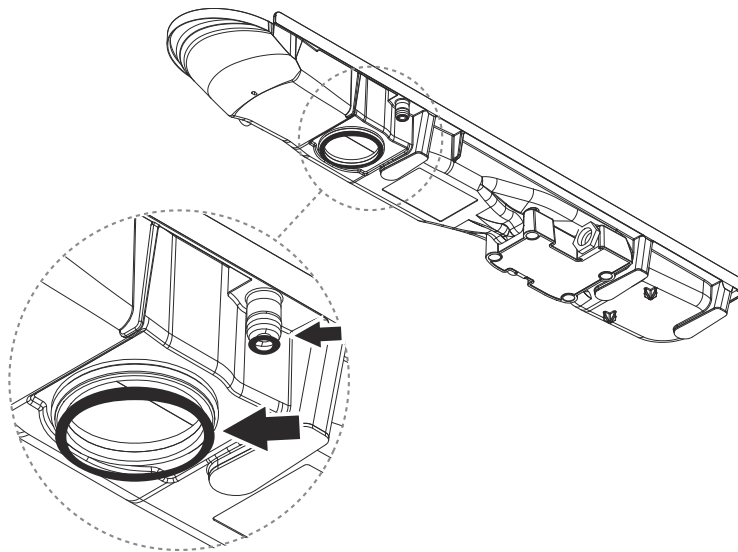


Install Sensor Tank

1. Clean the drain unit.



2. Apply grease to the Sensor Tank o-rings.

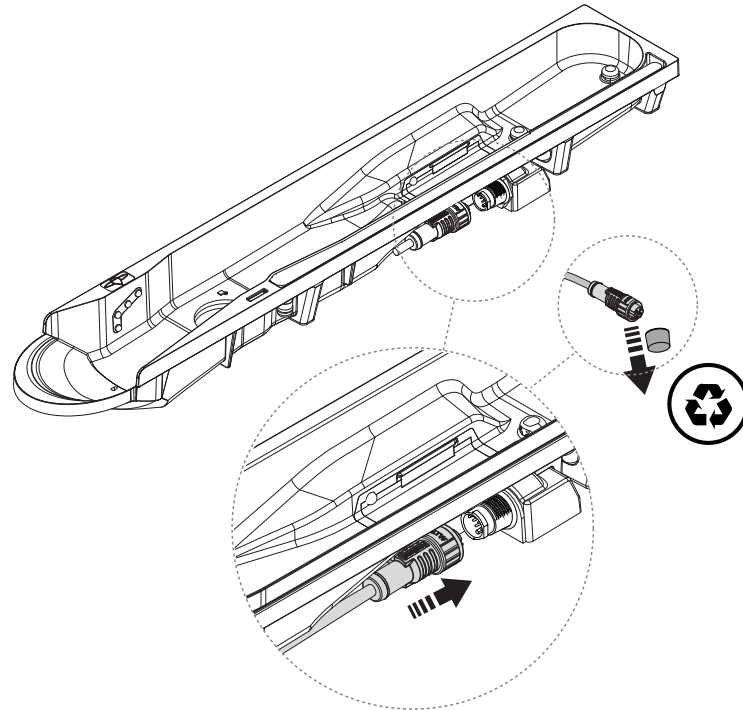


-
3. Remove the protective cap from the sensor cable, and connect the cable to the Sensor Tank.



CAUTION

Make sure to have correct alignment between the groove and the pin when connecting.

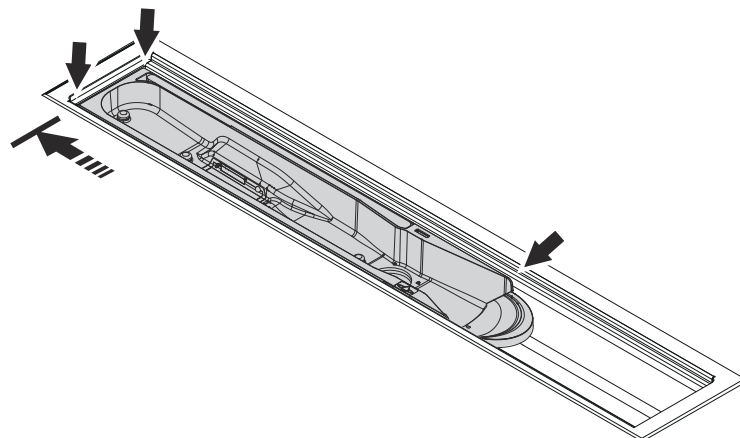


-
4. Insert the Sensor Tank to the drain unit.

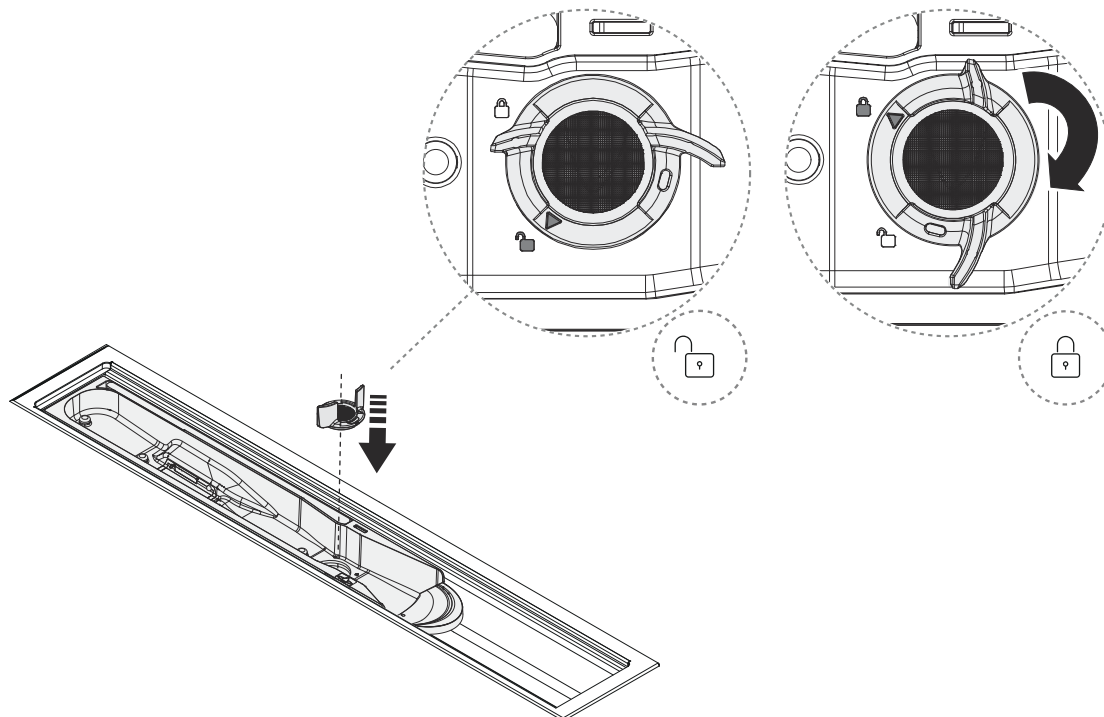


CAUTION

Make sure the Sensor Tank is inserted correctly. Its edge should be fully pushed towards and at level with the edge of the drain unit.



5. Lock the Sensor Tank in place by turning the Sensor Tank Lock 90° clockwise.

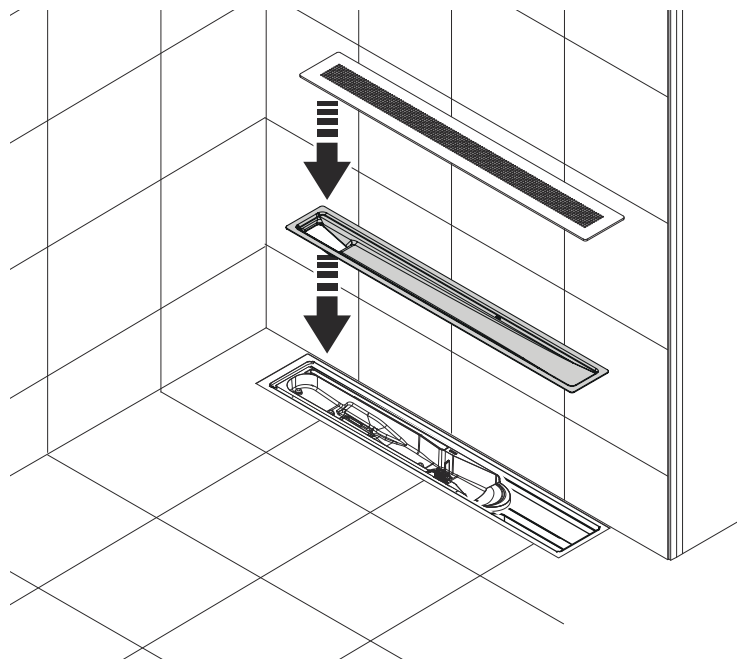


6. Place the Funnel and grate back in place.

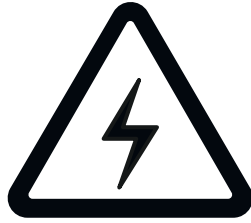


NOTE

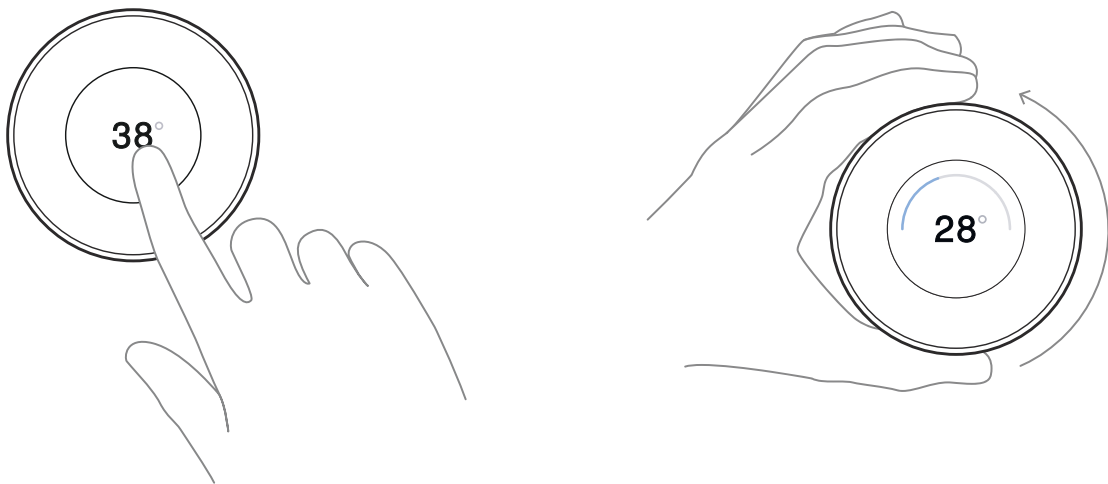
Place the Funnel with the hole oriented to the left! Placing the hole oriented to the right will disable recirculation.



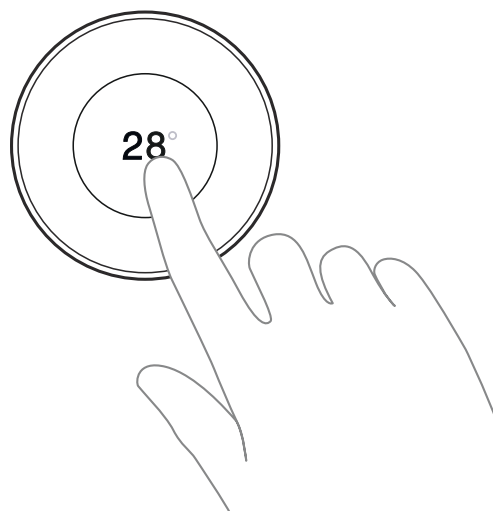
7. Turn on the power.



8. Start the shower to validate the Sensor Tank replacement. Set the temperature to 28°C. The shower should start recycling and show a count on the Control Dial within 5 minutes without increased noise level.



9. Turn off the shower.



10. Recycle the parts and components that should not be reused. ♻️

Core & Sensor Tank

5. Swap Core & Sensor unit - Panel

This instruction shows how to swap the Core and Sensor Tank in a Panel installation, where the Core is installed in the shower area. Follow the instructions in detail, and don't hesitate to reach out if you have any questions - support@orbital-systems.com.

Use the kits below to swap the Core and Sensor unit.

1-04-0113 - Swap R3 Core kit:

Core

Filter Capsule

or

1-04-0182 - Swap R3 refurbished Core kit:

Core Refurbished

Filter Capsule

1-04-0131 - Swap Sensor Tank + Misc. kit - Panel:

Sensor Tank

Filter Capsule

Sensor cable

Flush hose

Recirculation hose

Tank accessory parts

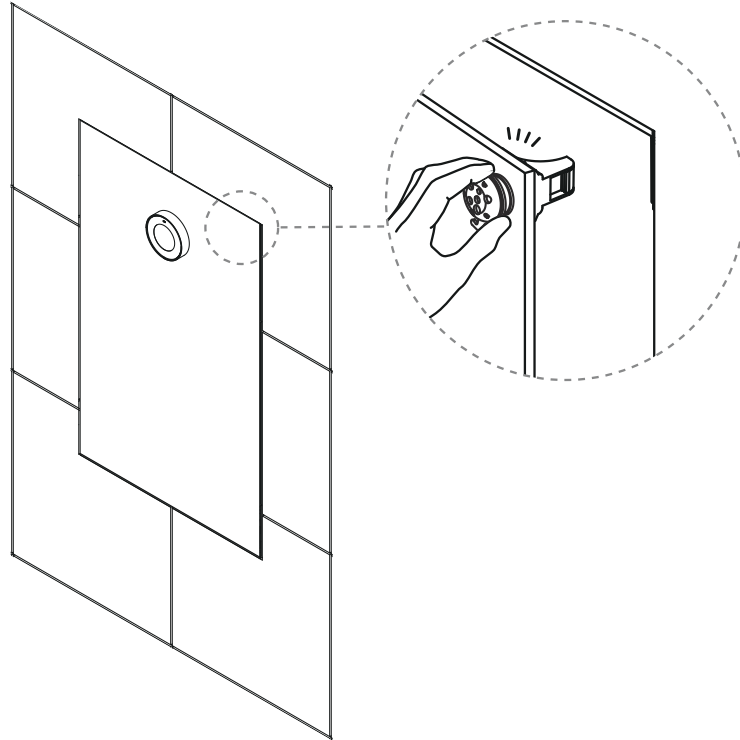
Dismantle Core

1. Turn off the power.

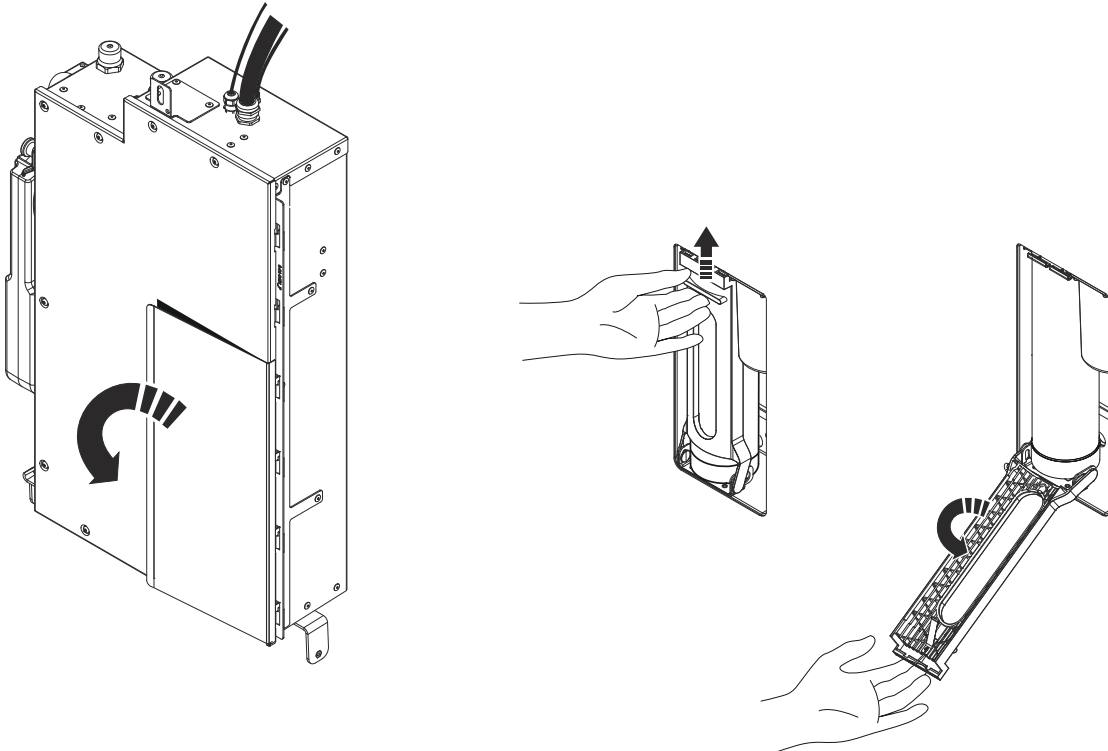


2. Turn off the incoming hot and cold water.

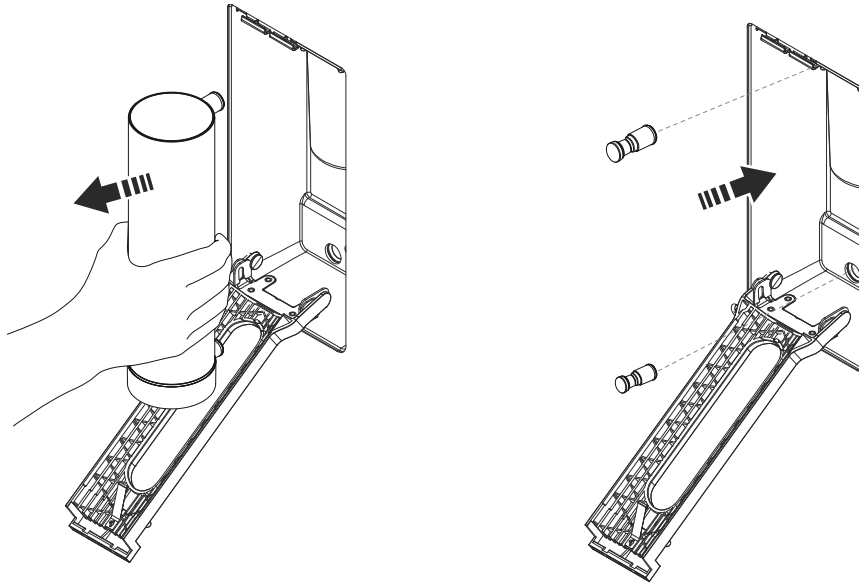
3. Open the Panel door.



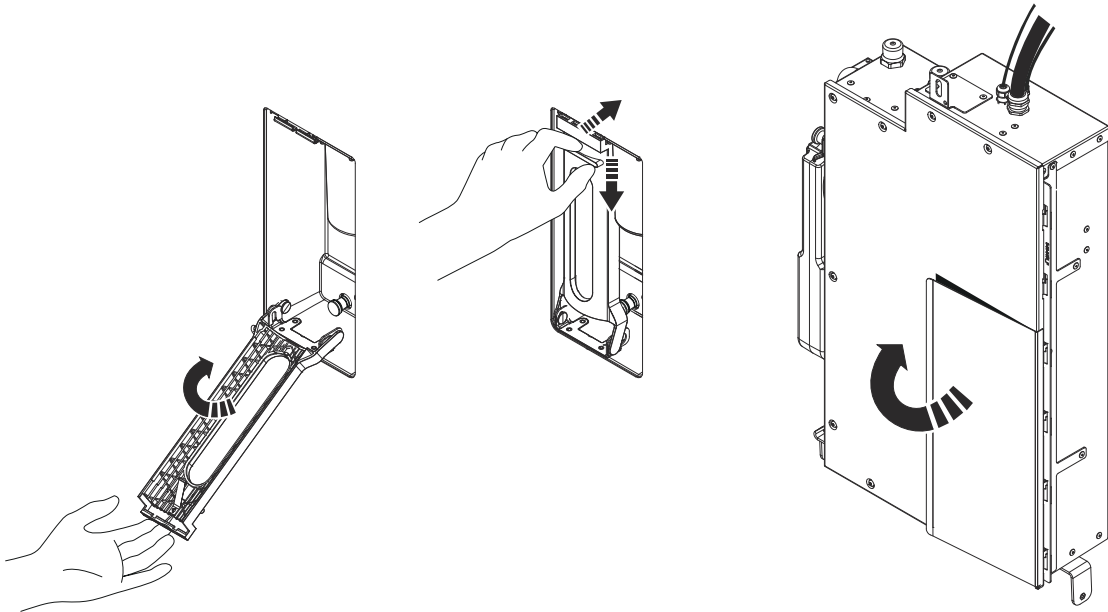
4. Open the door on the Core and release the Filter hatch.



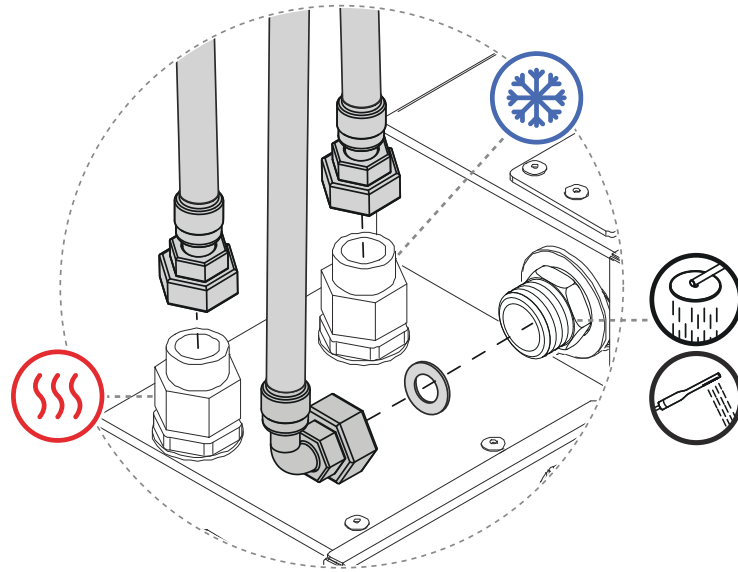
-
5. Remove the Filter Capsule. Use the plugs from the Filter hatch in the new Core and transfer to the old one. The larger plug should be placed in the upper bracket, and the smaller plug in the lower one.



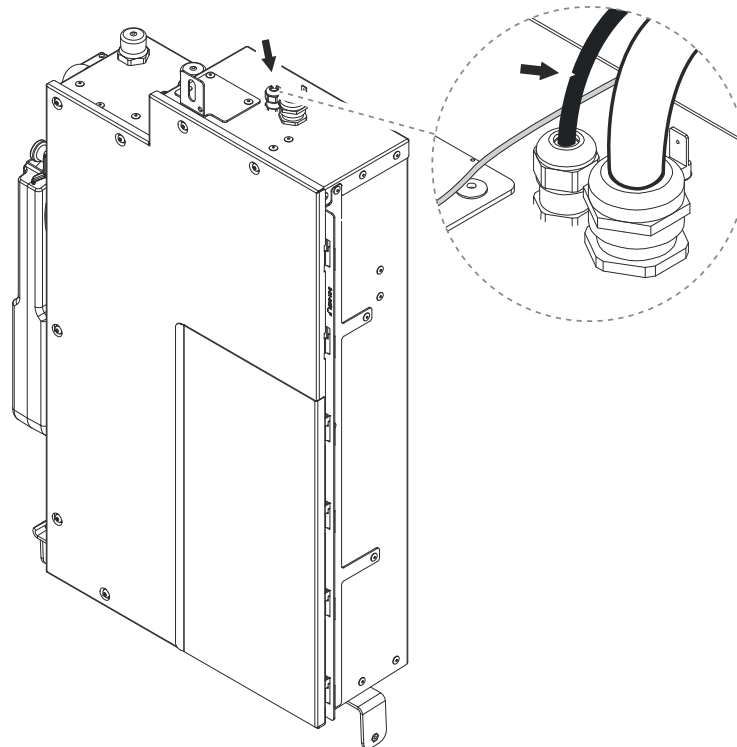
-
6. Close the hatch and the door.



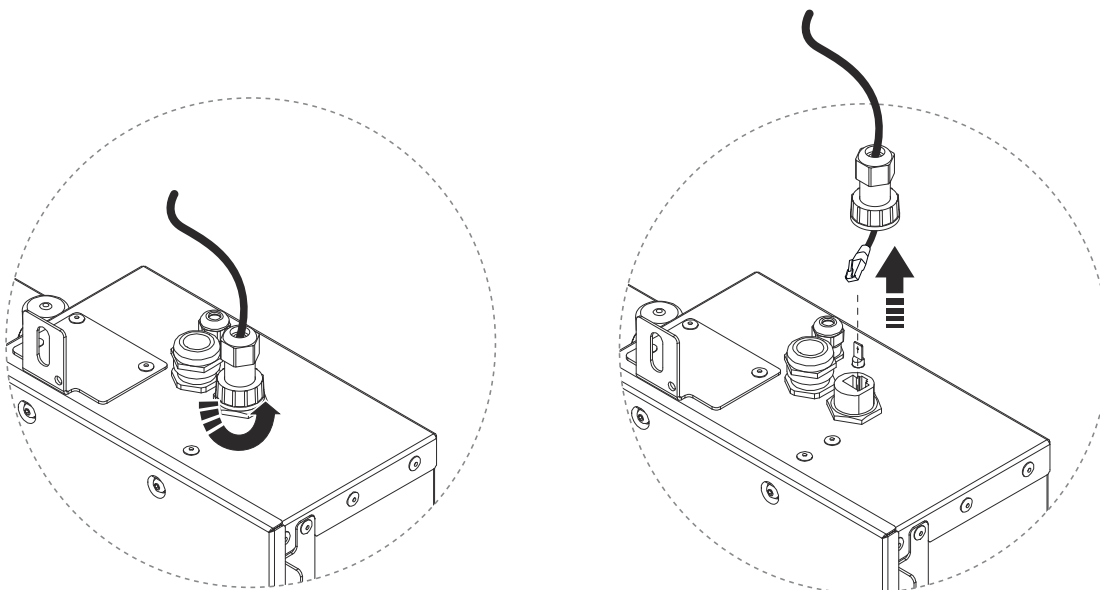
-
7. Disconnect the shower water connection (outgoing). Then, disconnect the water connections for incoming hot and cold water. Wipe off any remaining water that drains from the pipes.



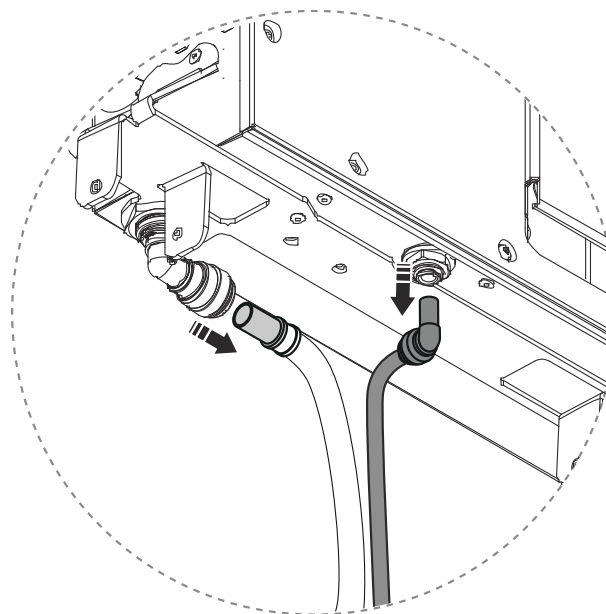
-
8. Disconnect the WiFi antenna cable.



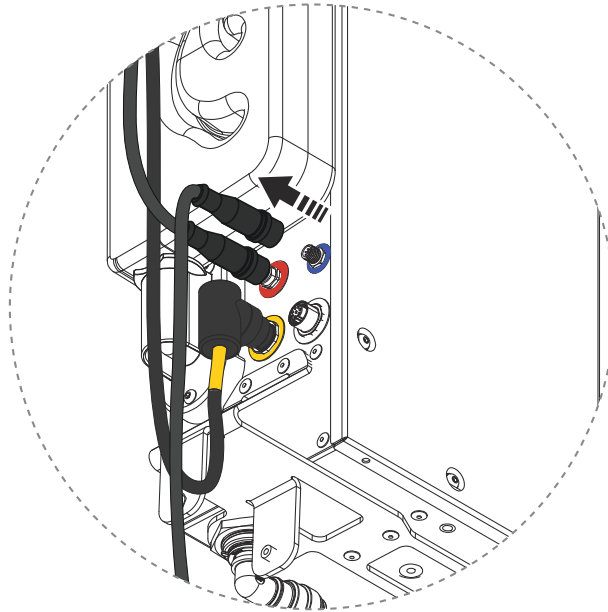
For Ethernet installation: Unscrew the protective cover and disconnect the Ethernet cable.



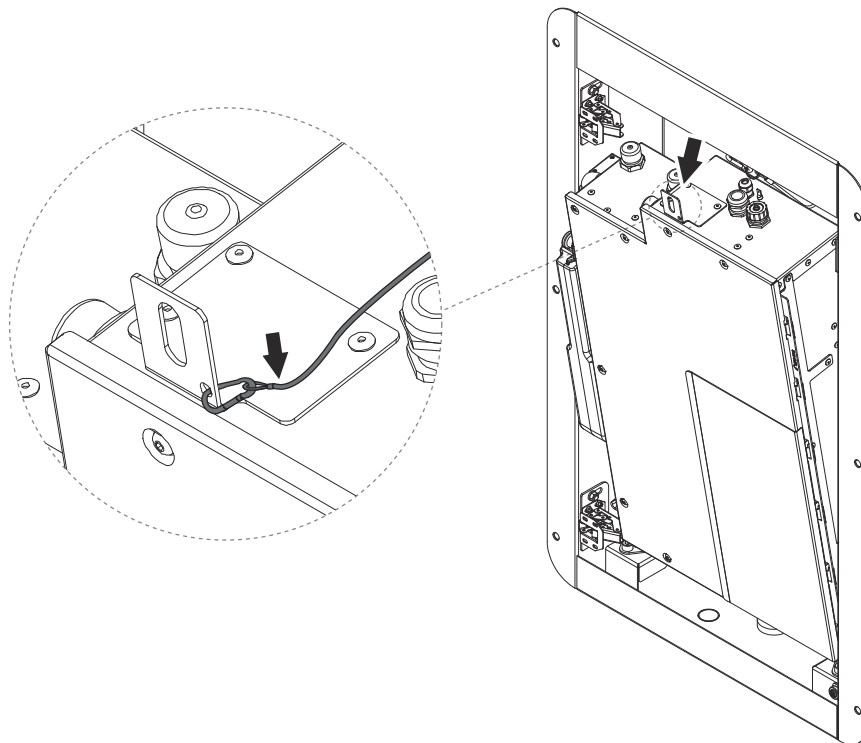
9. Disconnect the flush hose and recirculation hose from the bottom of the Core.



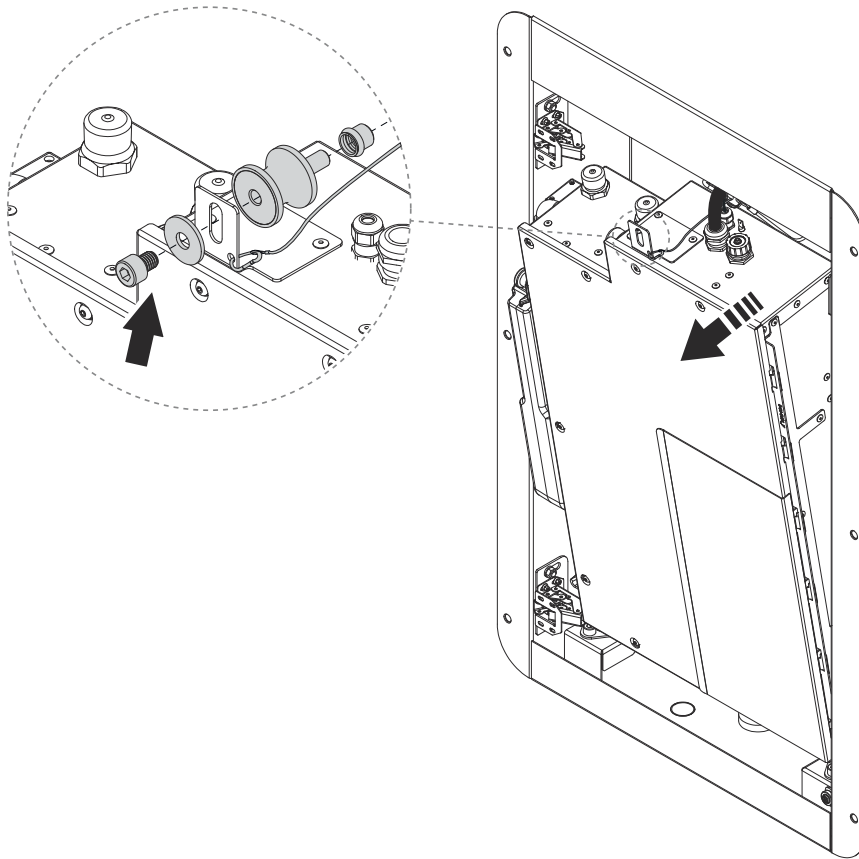
-
- 10.** Disconnect the Sensor Tank and Control Dial (red and blue connector). For installations with Orbital Audio, also disconnect the amplifier (yellow connector).



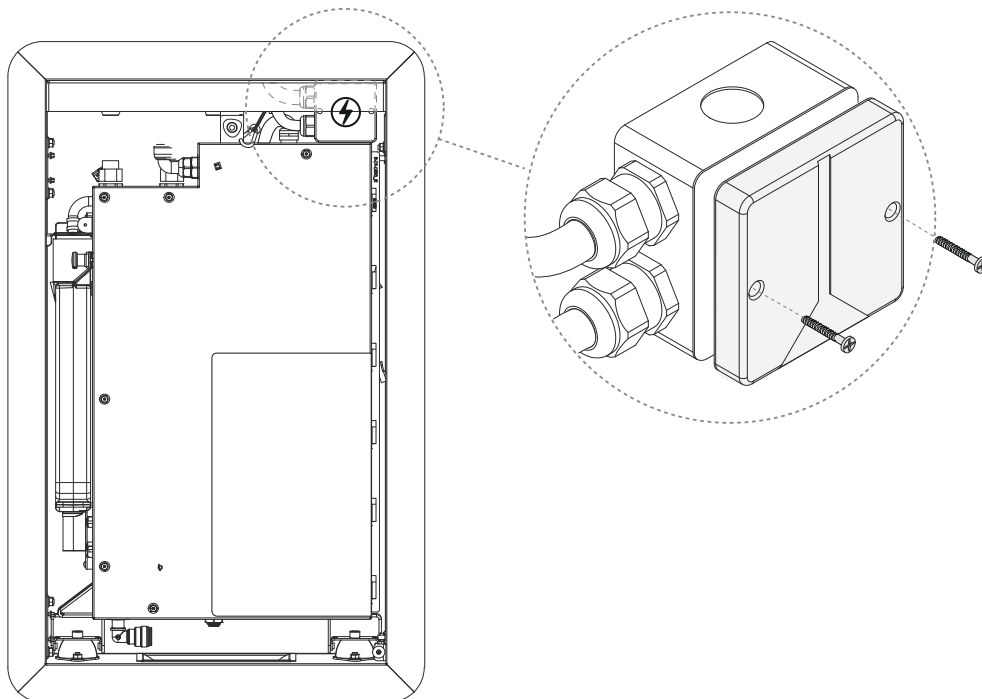
-
- 11.** Make sure the safety wire is connected to the Core and Wall Box.



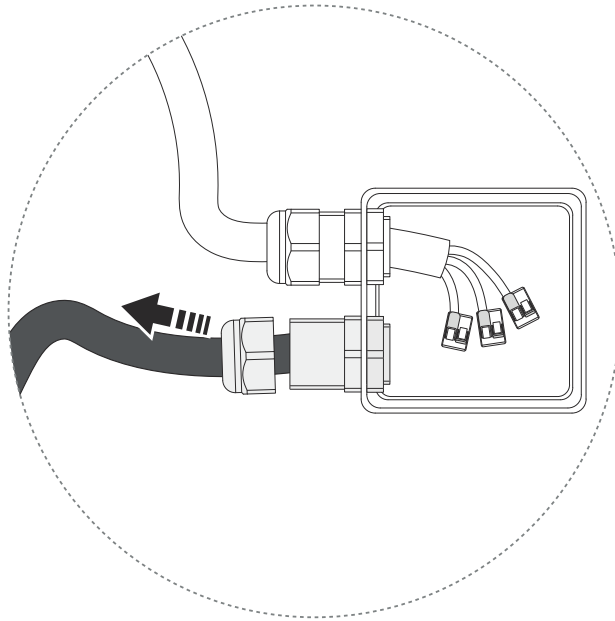
-
- 12.** Unscrew the Core from the top vibration damper and gently lean it forward until the wire is fully extended and holds the Core.



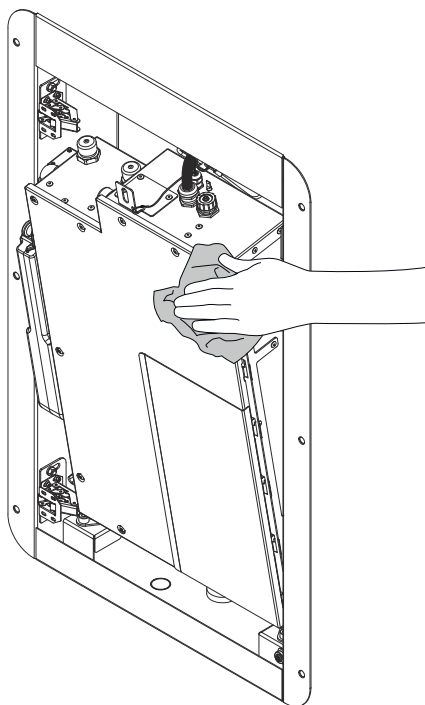
-
- 13.** Make sure the power is off. Then unscrew the lid of the electrical box and set it aside.



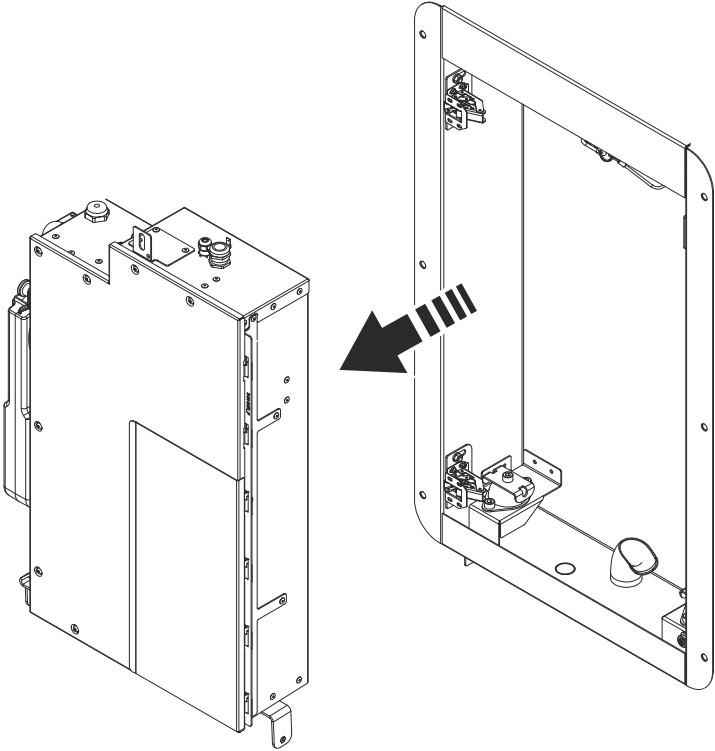
-
- 14.** Loosen the strain relief. Disconnect the cables and pull out the power cable to the Core from the electrical box.



-
- 15.** Wipe off the Core thoroughly. This is important to ensure a proper grip when lifting it out.

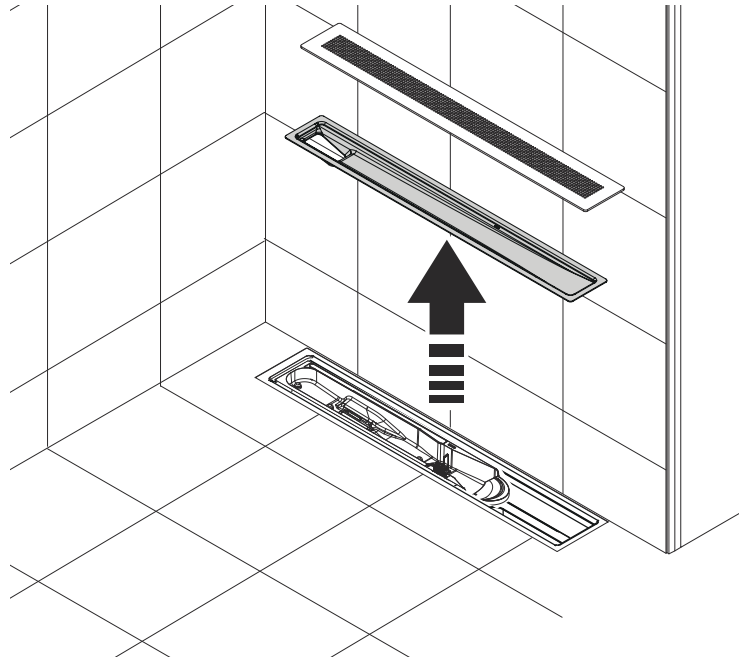


16. Disconnect the safety wire and lift out the Core. Put it in a safe and stable place.

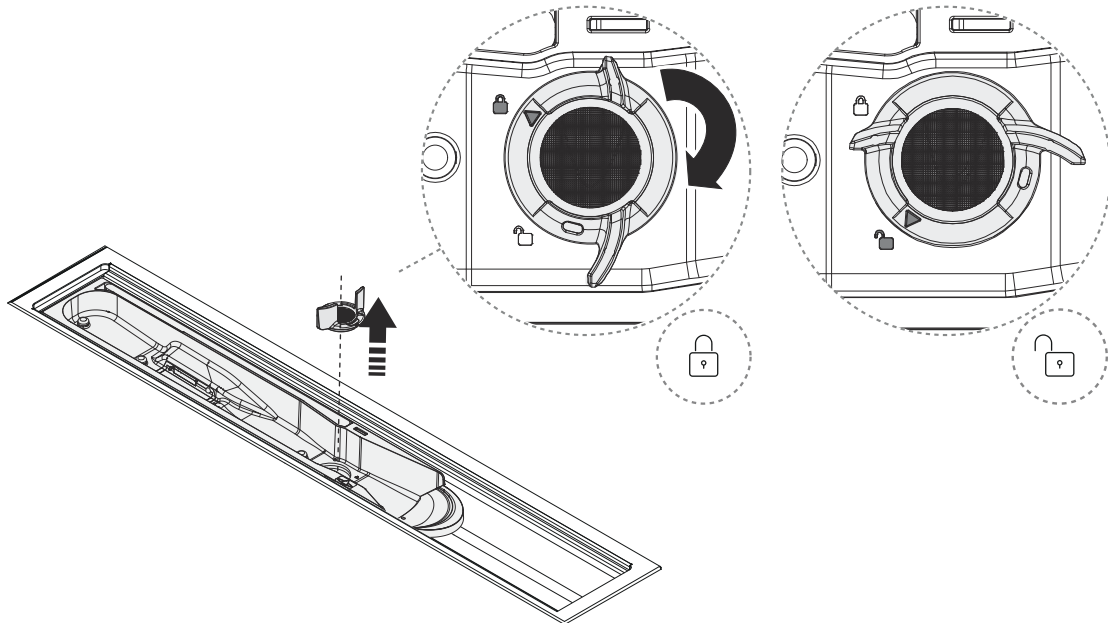


Dismantle Sensor Tank

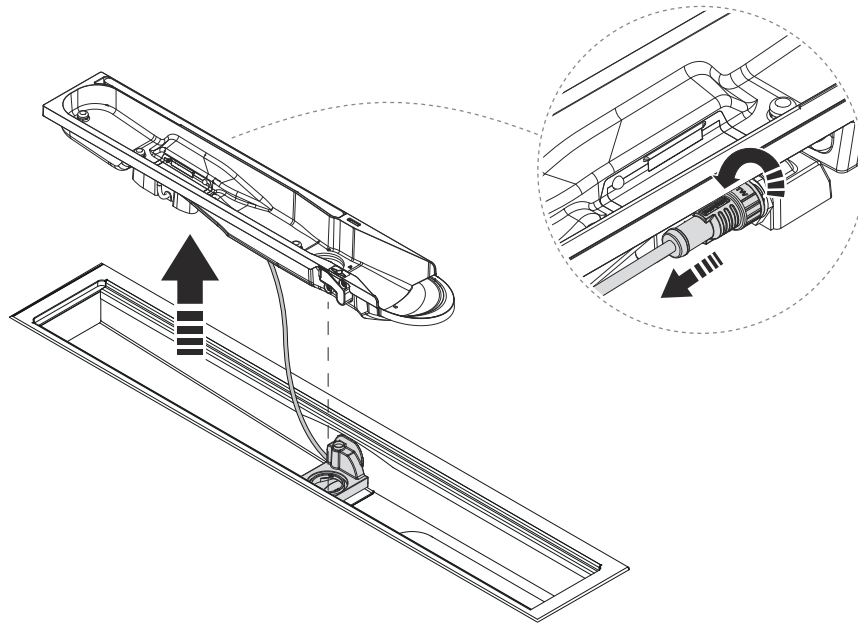
1. Lift the grate and Funnel.



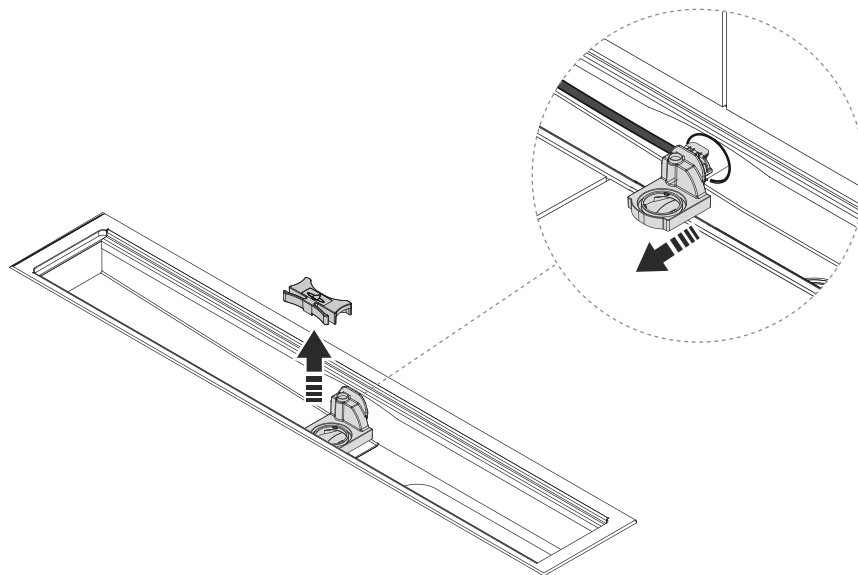
2. Unlock the Sensor Tank by turning the Sensor Tank Lock 90° counterclockwise.



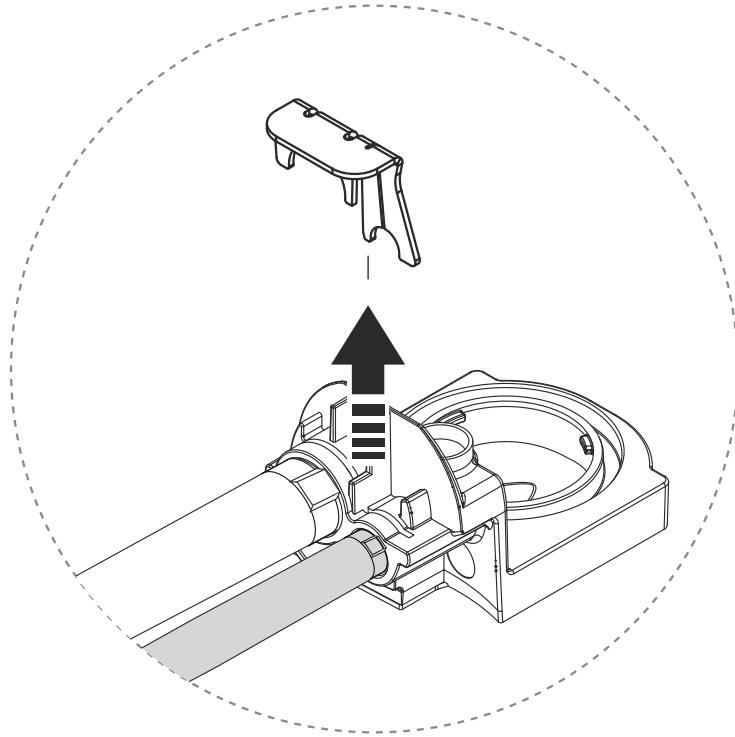
-
3. Lift the Sensor Tank and disconnect the sensor cable by unlocking the connector. Turn the connector flange 90° counterclockwise to unlock.



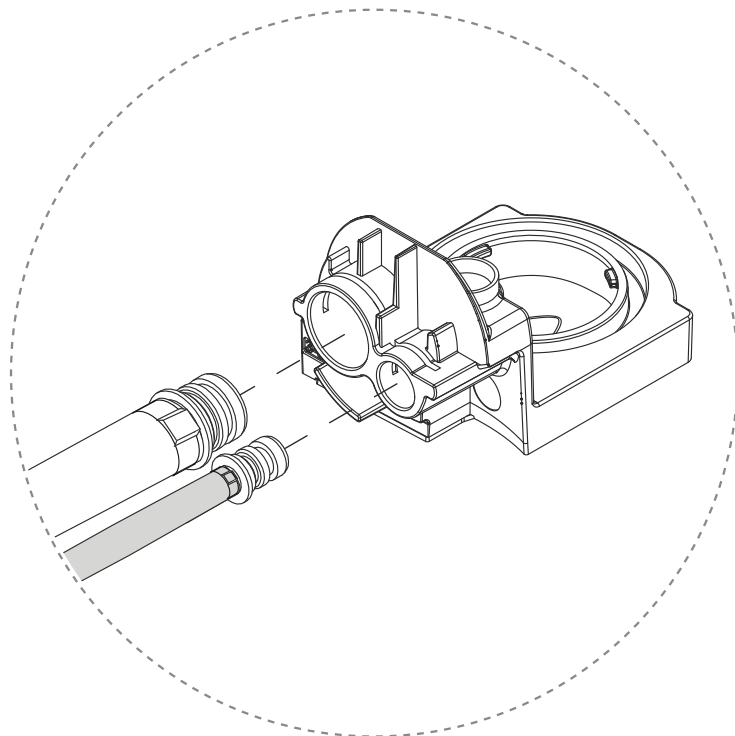
-
4. Remove the spring lock and pull out the Sensor Tank dock.



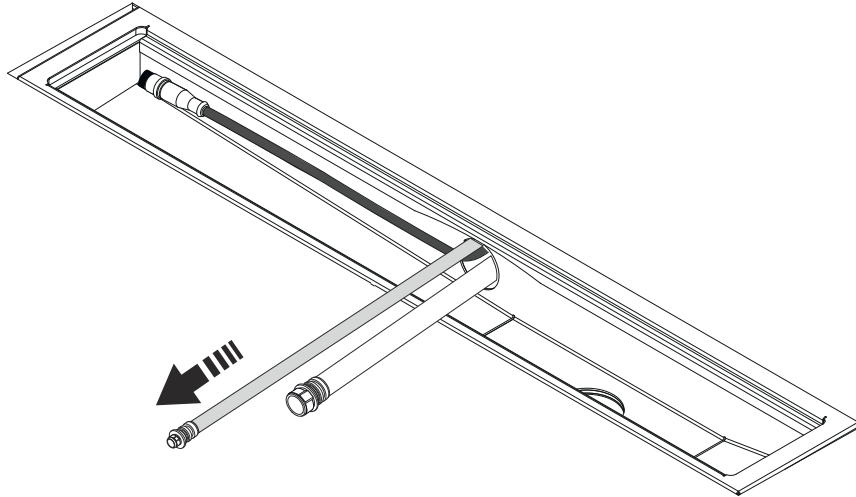
5. Remove the clip to release the hoses.



6. Release the Sensor Tank dock.



7. Pull out the flush hose.

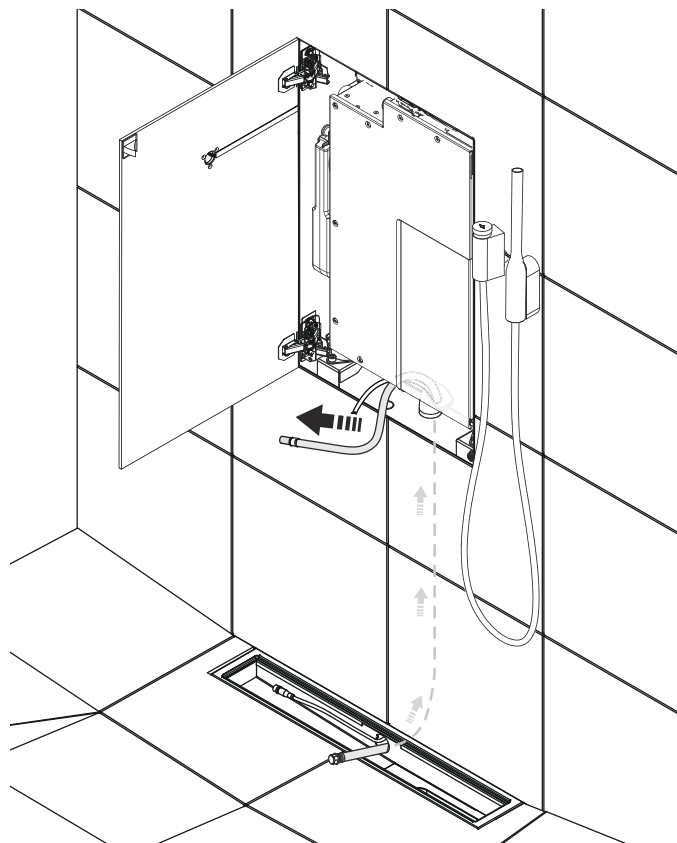


8. Pull out the recirculation hose.

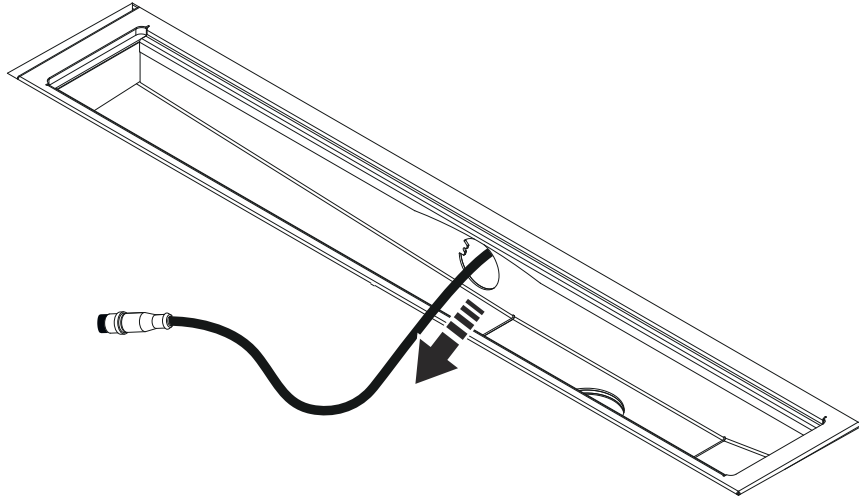


CAUTION

It is important that the circulation hose is pulled out from the top, to minimize the risk of the hose coupling getting stuck in the pipe.

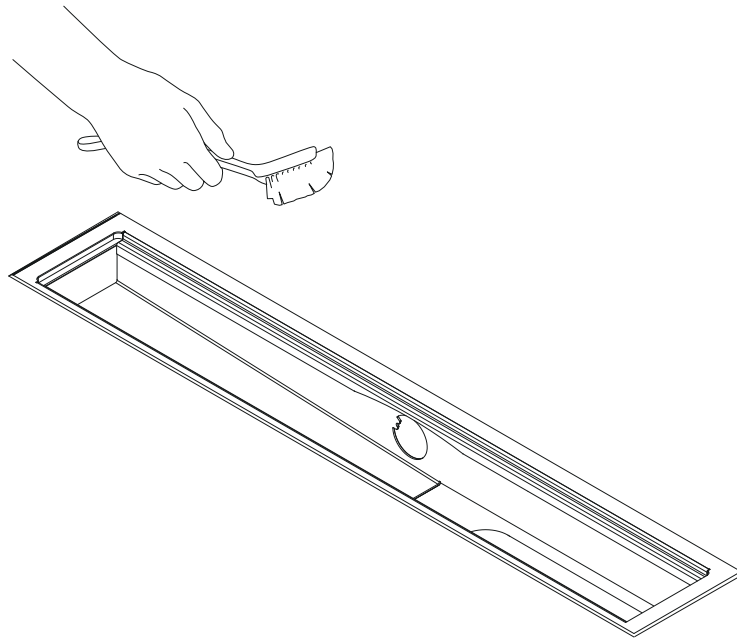


9. Pull out the sensor cable.

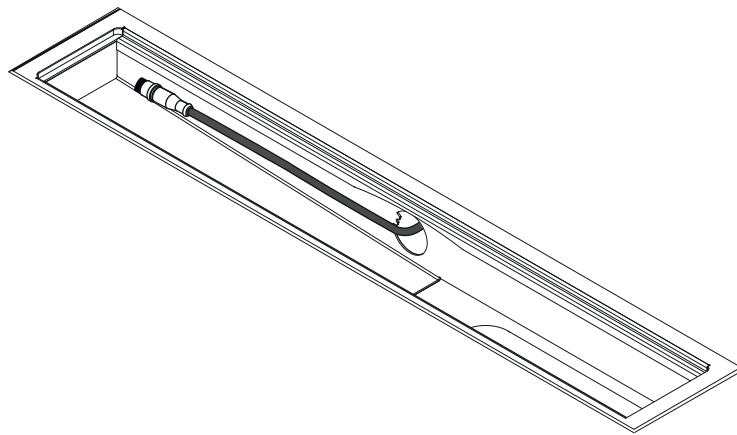


Install Sensor Tank

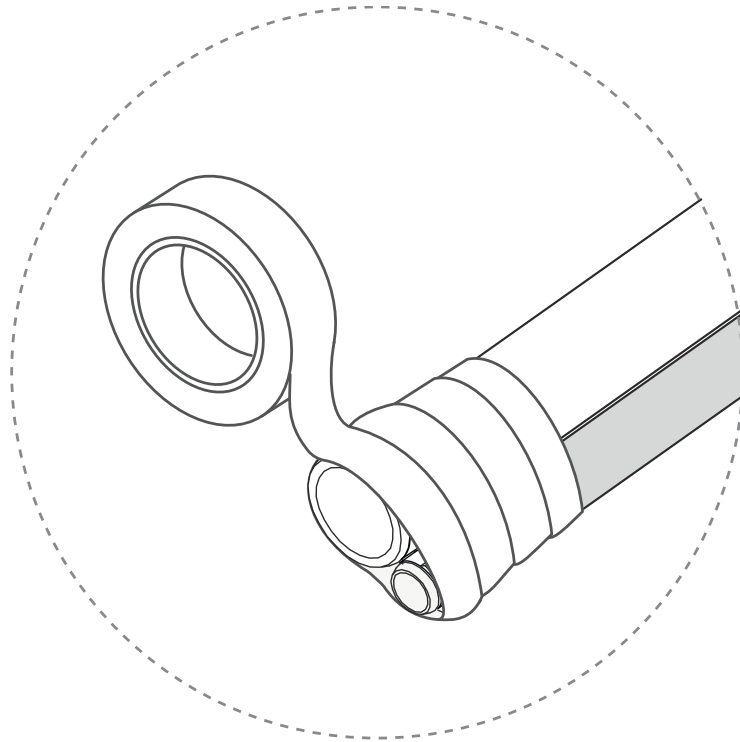
1. Clean the drain unit.



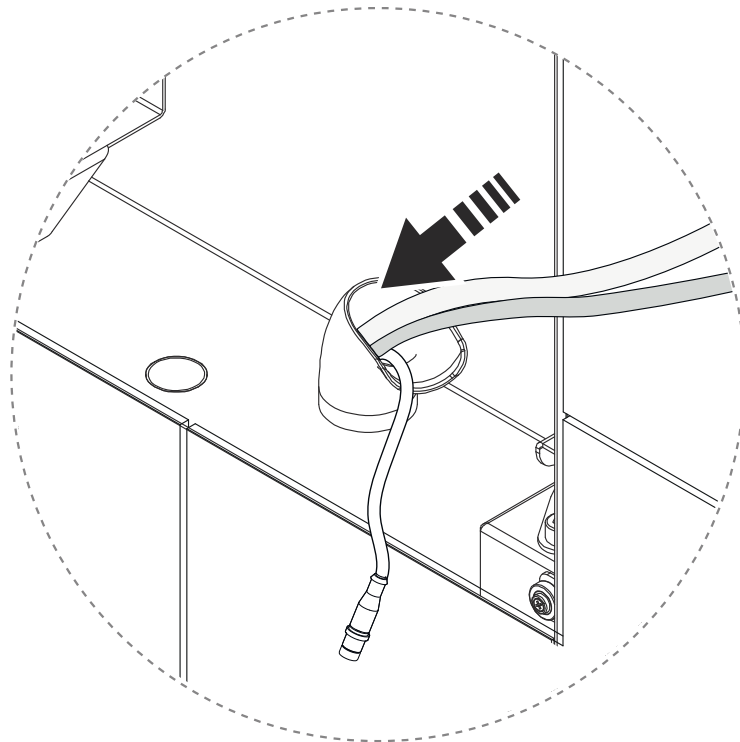
2. Route the sensor cable from the Wall Box through the connection pipe with the large connector down to the Sensor Tank. Pull out the cable about 180 mm in the floor fitting.



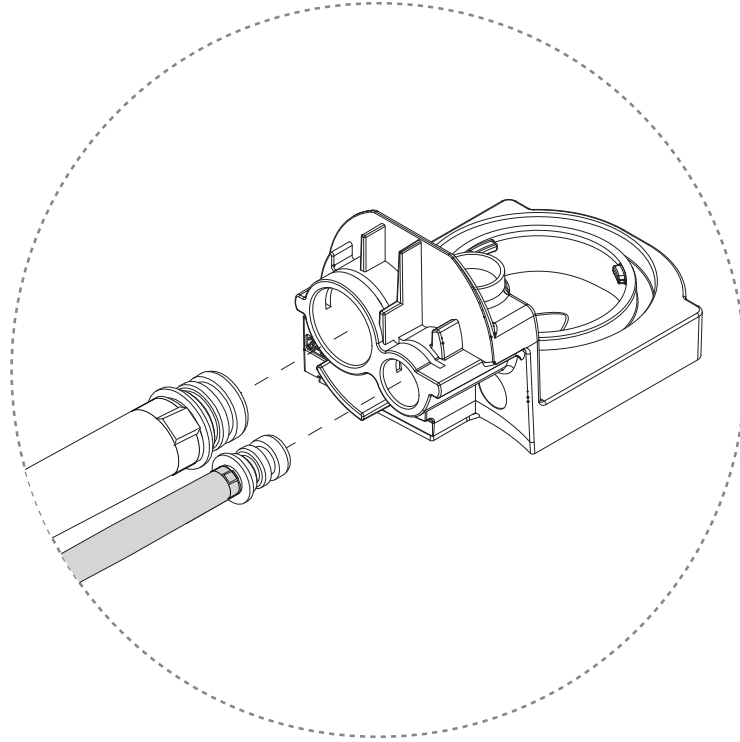
-
3. Tape the flush hose and the recirculation hose together at the end of the couplings, flush hose on the left. Make sure that the couplings, especially the o-rings, are carefully covered with tape.



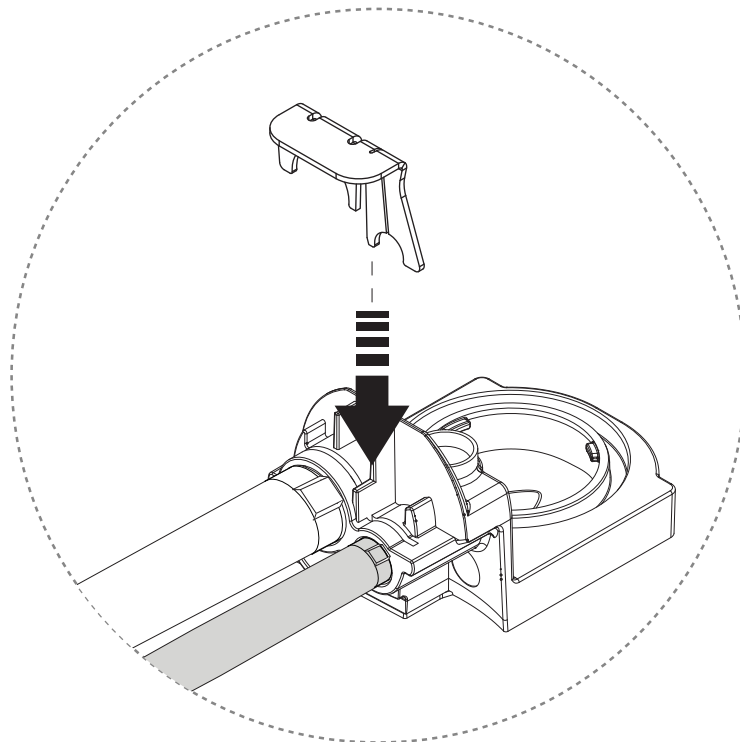
-
4. Pull the hoses through the connection pipe, with the couplings down towards the Sensor Tank. A tension spring is recommended for smooth installation.



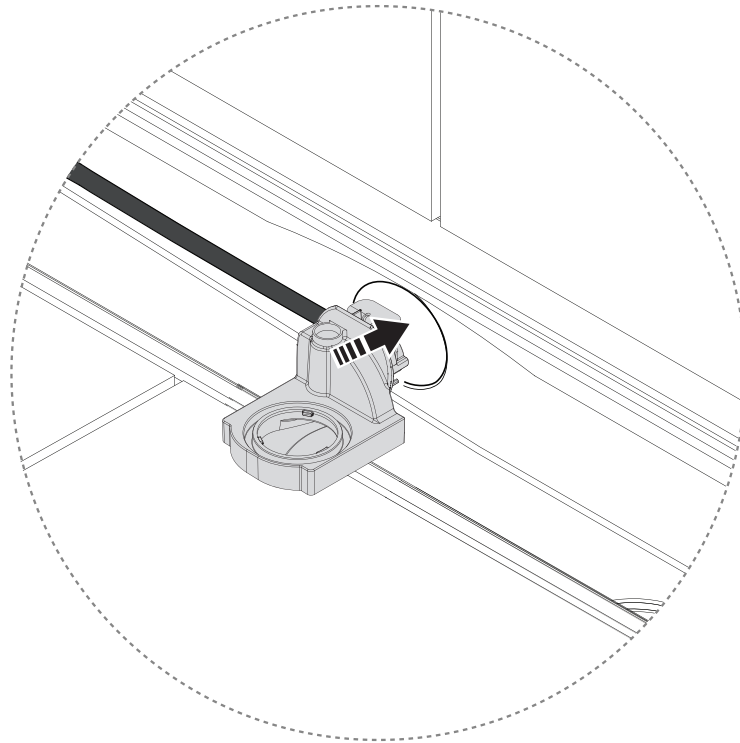
-
5. Apply fitting grease and connect the hoses to the Sensor Tank dock.



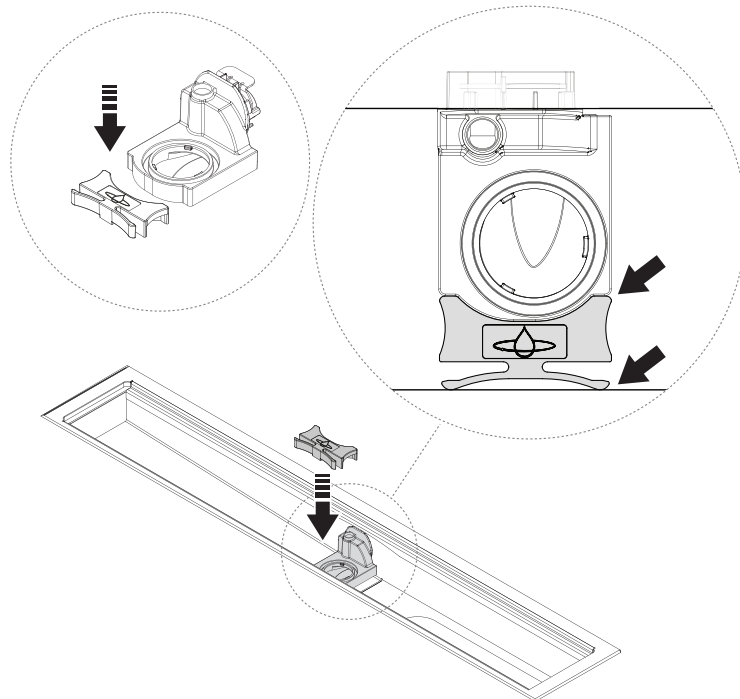
-
6. Lock the hoses using the clip. Press the clip down until it clicks.



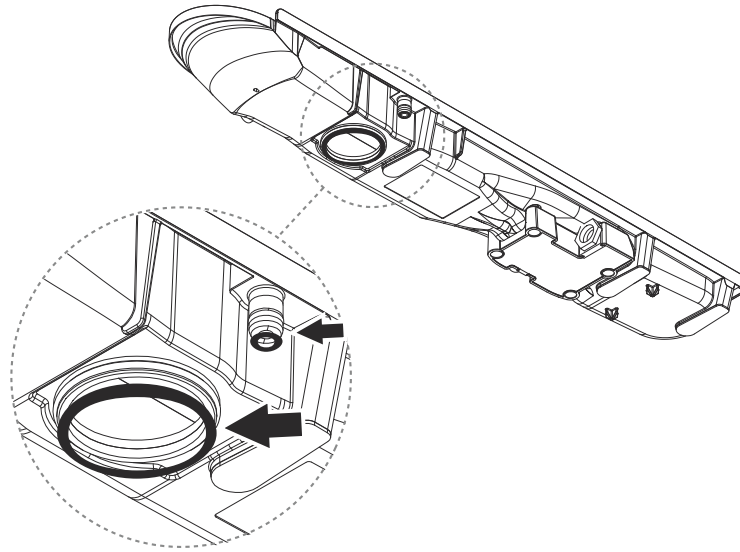
-
7. Insert the dock into the connecting pipe and push it all the way in.



-
8. Lock the Sensor Tank dock in place with the spring lock. Ensure that the sensor cable is not pinched.



9. Apply grease to the Sensor Tank o-rings.

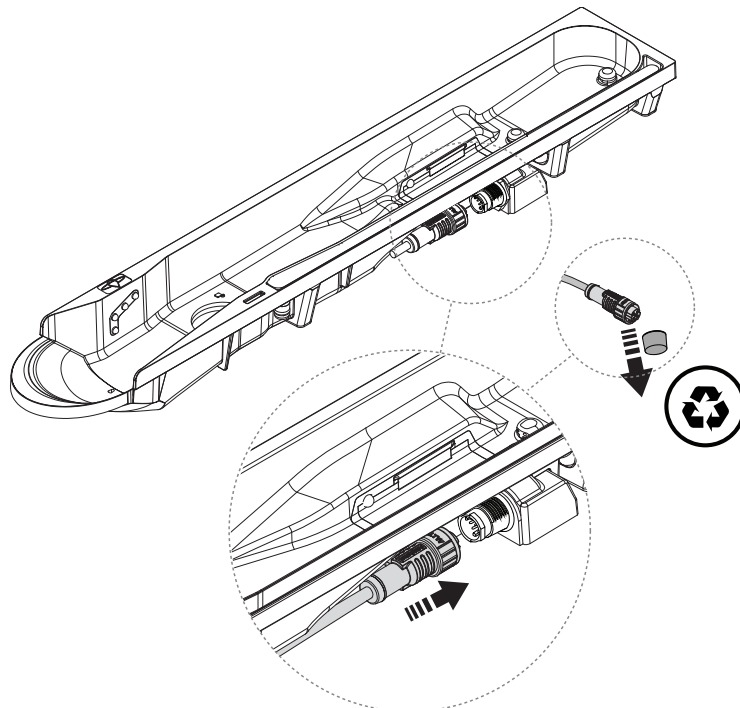


10. Remove the protective cap from the sensor cable, and connect the cable to the Sensor Tank.



CAUTION

Make sure to have correct alignment between the groove and the pin when connecting.

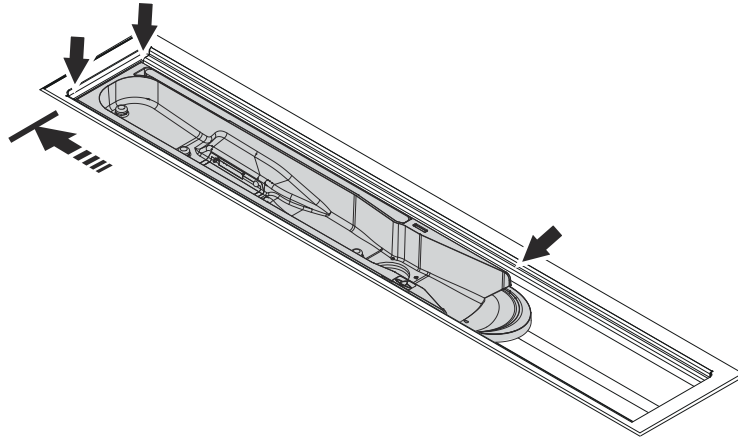


11. Insert the Sensor Tank to the drain unit.

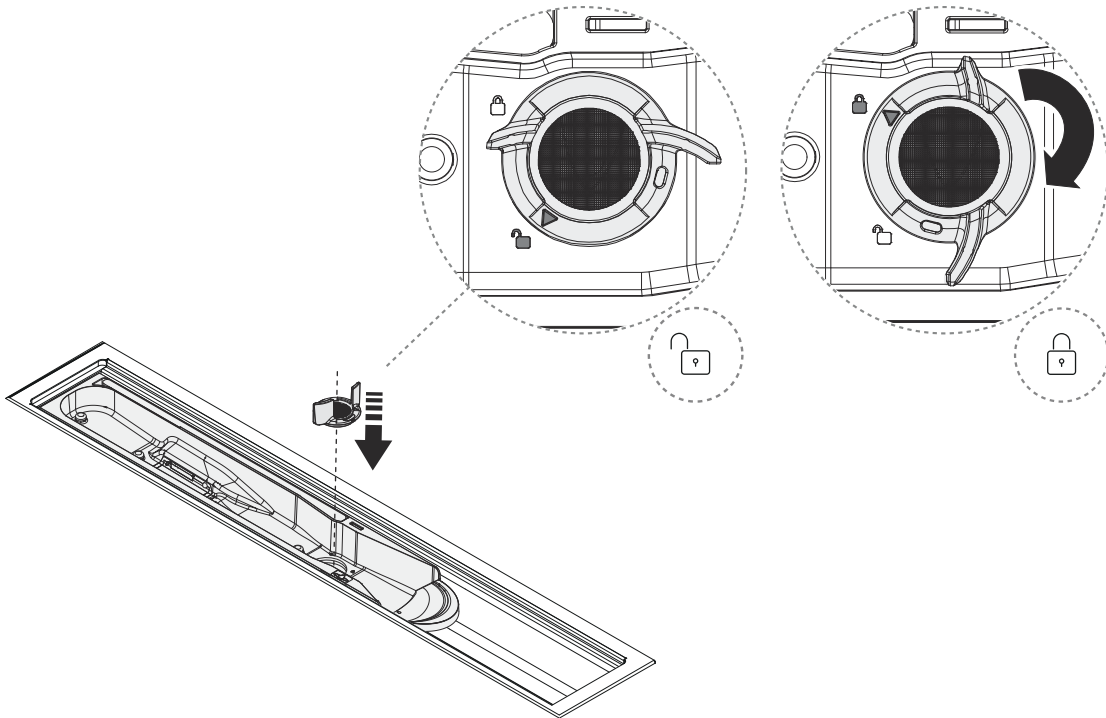


CAUTION

Make sure the Sensor Tank is inserted correctly. Its edge should be fully pushed towards and at level with the edge of the drain unit.



12. Lock the Sensor Tank in place by turning the Sensor Tank Lock 90° clockwise.

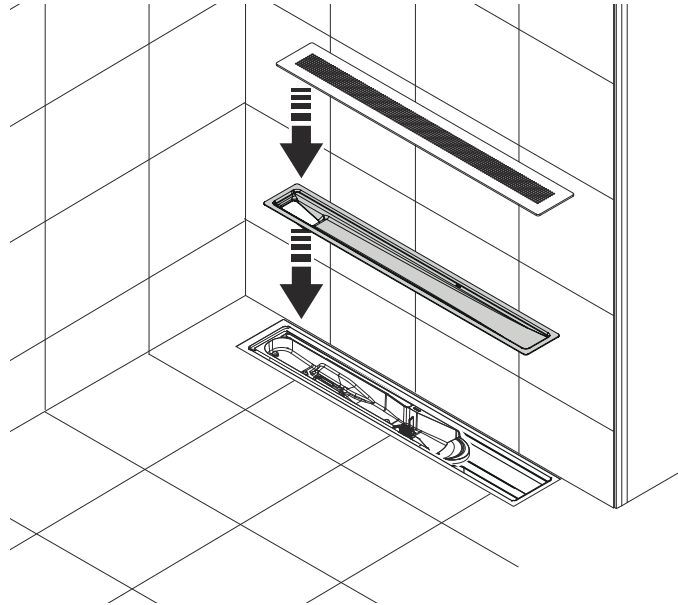


13. Place the Funnel and grate back in place.



NOTE

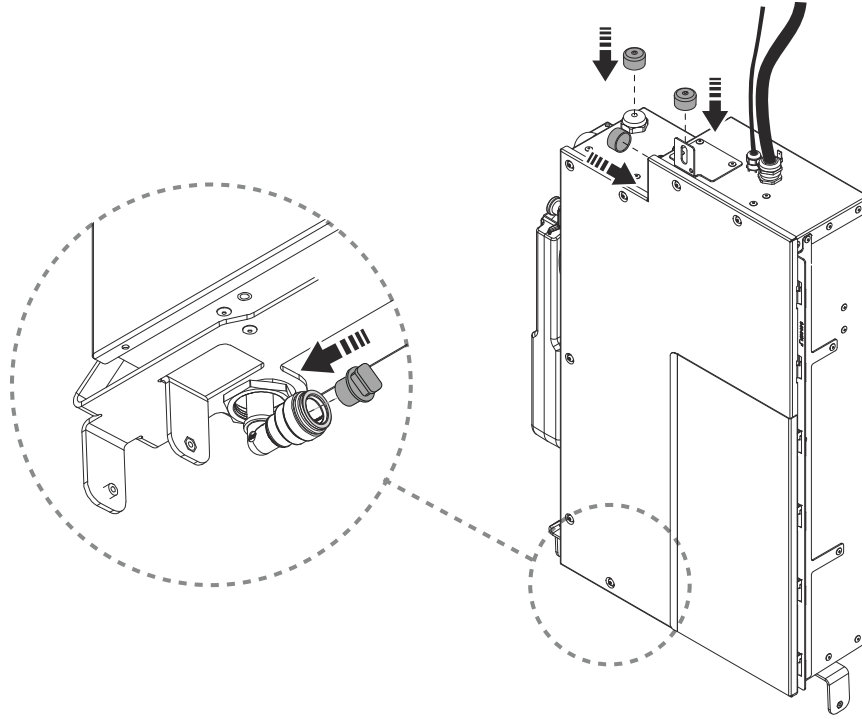
Place the Funnel with the hole oriented to the left! Placing the hole oriented to the right will disable recirculation.



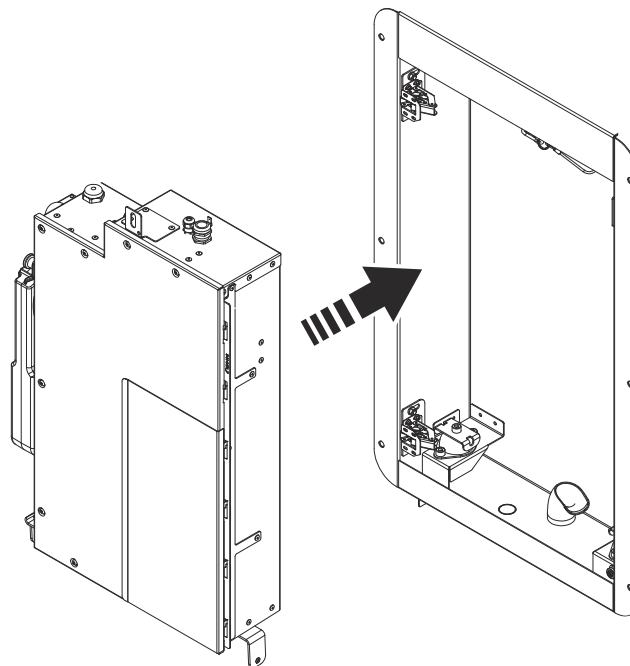
Install Core

Take the new Core out of the packaging and put it in a safe and stable place. Make sure the packaging is saved in good condition - it should be reused when returning the replaced Core.

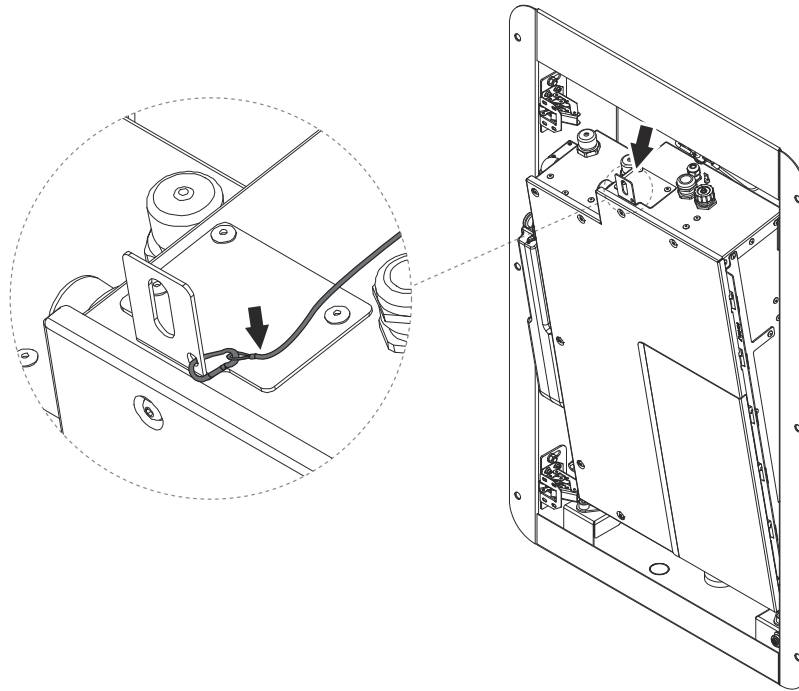
1. Transfer the transport plugs from the new Core to the old one.



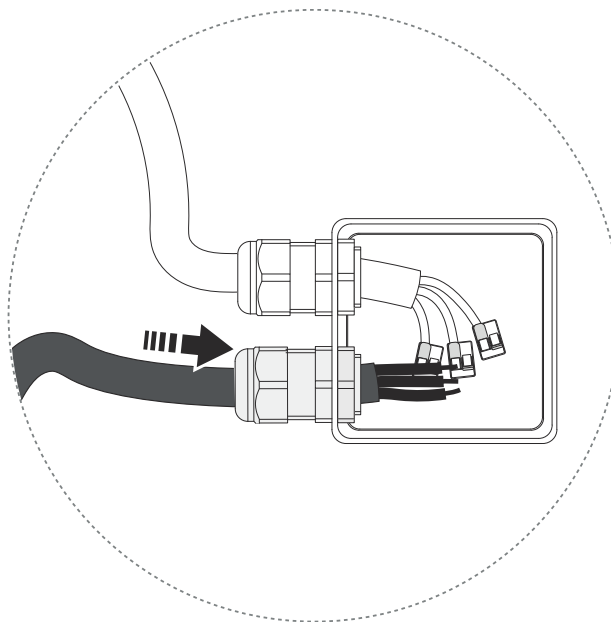
2. Place the new device in the Wall Box. The Core should click all the way into the vibration damper.



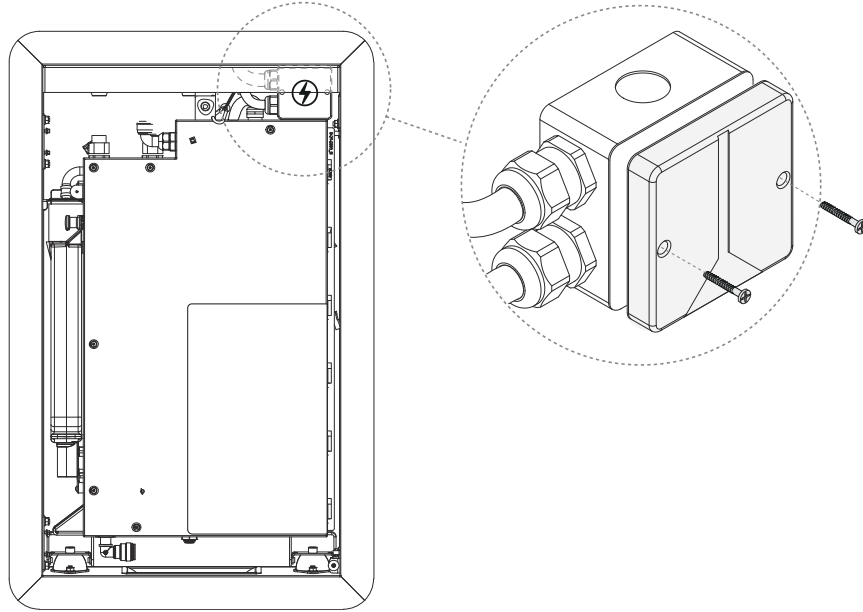
-
3. Attach the safety wire to the Core and keep it in the tilted position.



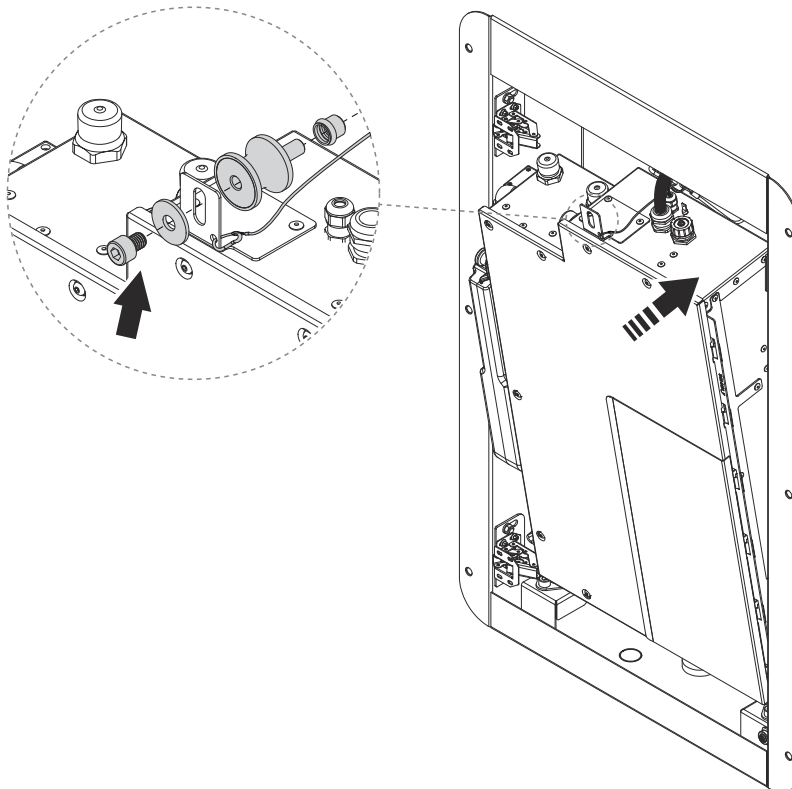
-
4. Feed the stripped part of the electrical cable into the electrical box and tighten the strain relief.



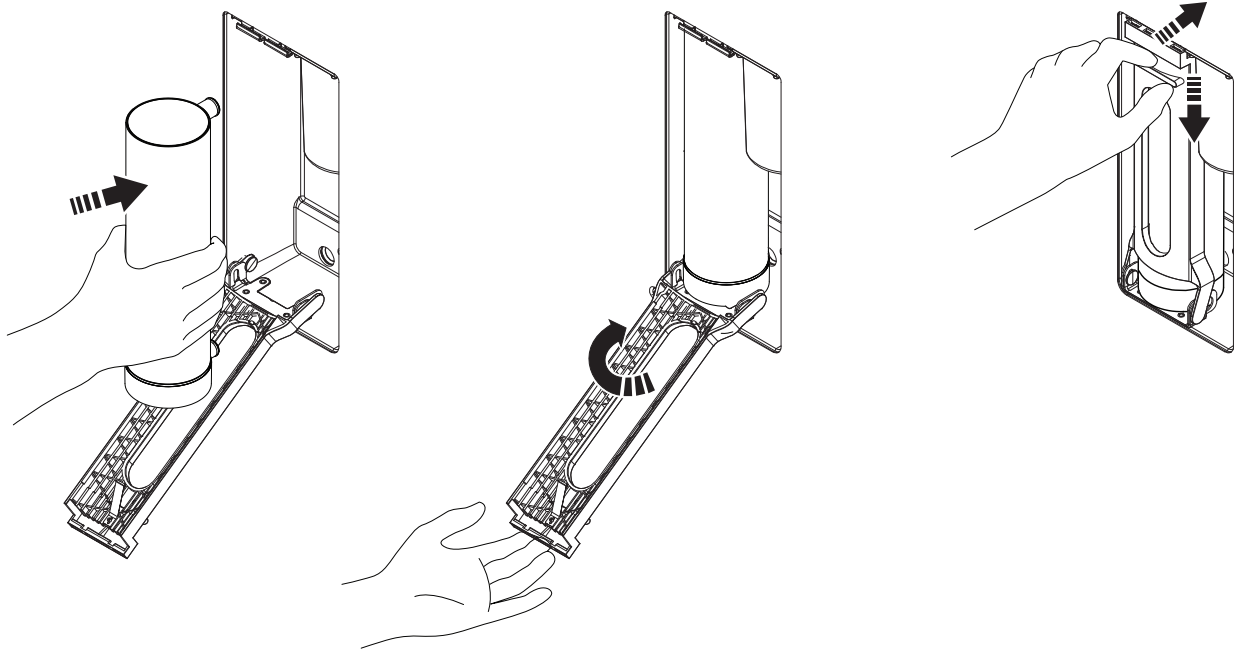
-
5. Connect the cables and screw the lid back to the electrical box.



-
6. Lean back and screw the Core onto the vibration damper. Make sure the electrical cable is placed behind the hot water pipe without any sharp bends, and make sure it is not pinched behind the Core.



7. Open the Filter hatch and insert a Filter Capsule.

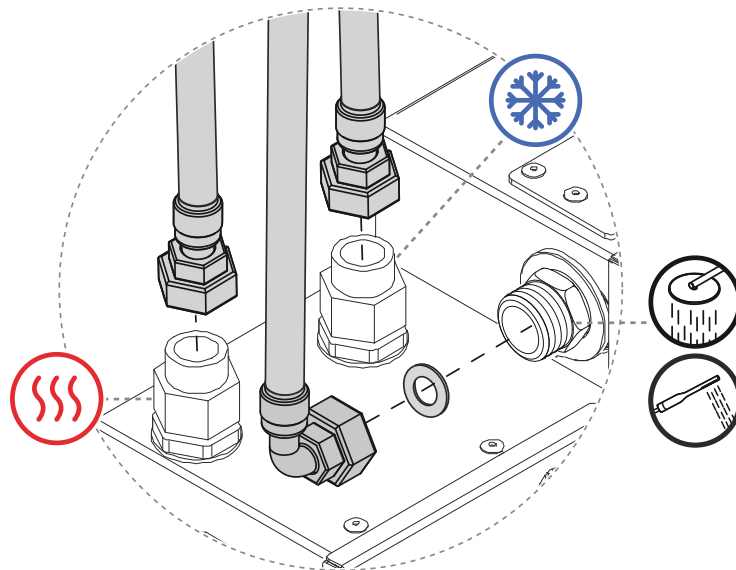


8. Connect the hot and cold water connections. Then connect the shower water connection to the Core.

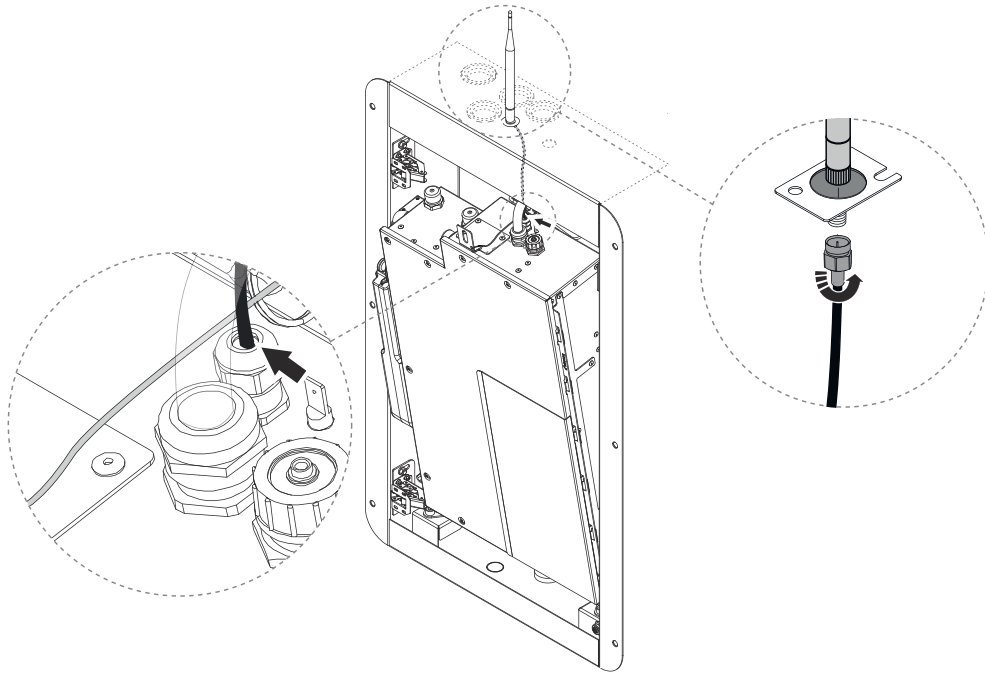


CAUTION

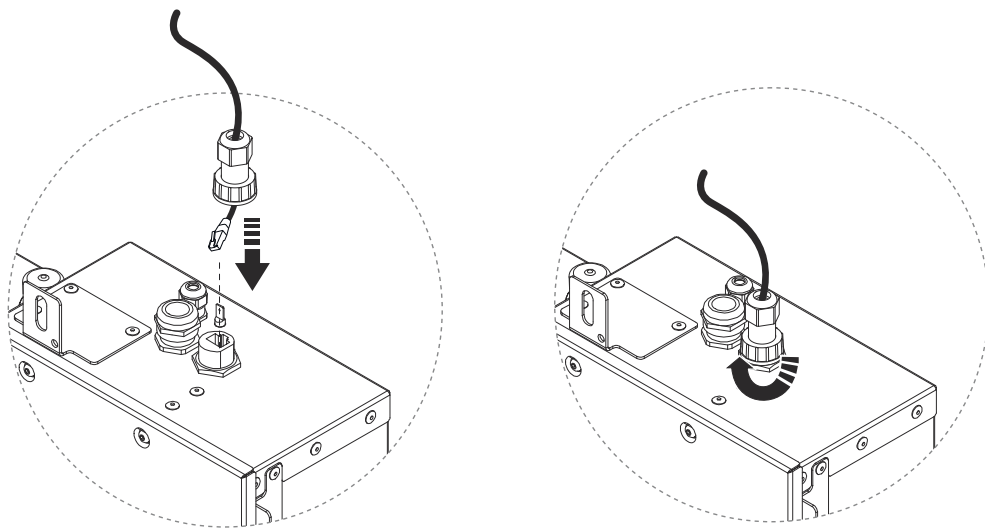
Make sure the gaskets are in good condition and have no damage.



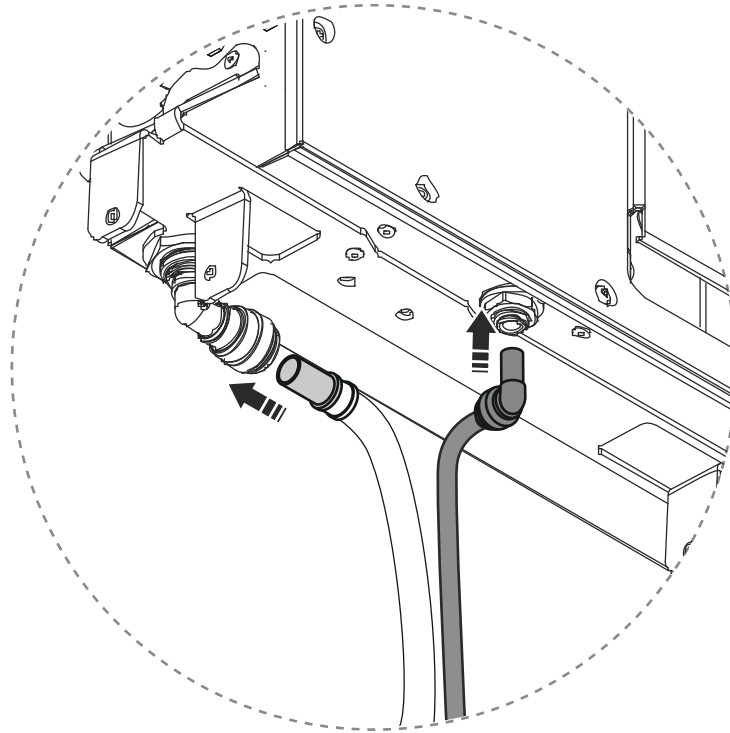
9. Connect the Wi-Fi antenna cable.



For Ethernet installation: Unscrew the protective cover and connect the Ethernet cable.



-
- 10.** Apply fixture grease and connect the recirculation hose and flush hose to the Core. It is important to relubricate the plug-in coupling and hose to prevent damage to the o-ring in the connection on the Core.



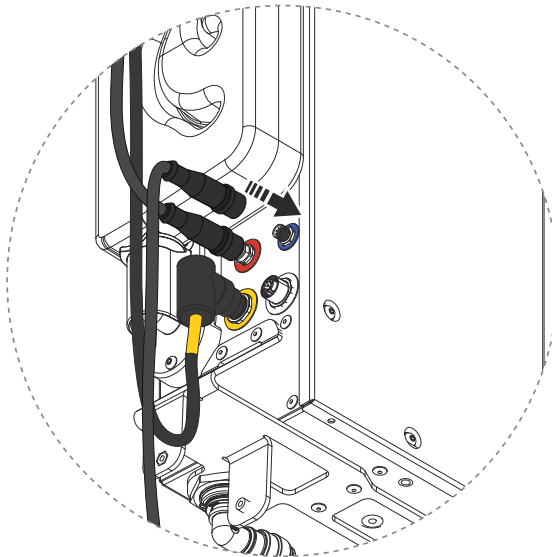
-
11. Unscrew the protective caps on the red and blue communication ports on the Core. Then plug in the Control Dial (red port) and Sensor Tank (blue port).

For installations with Audio: Unscrew the protective cap on the yellow communication port and plug in the amplifier. The contacts should be tightened by hand, and the cable to the Control Dial and amplifier should be routed behind the air gap tank.

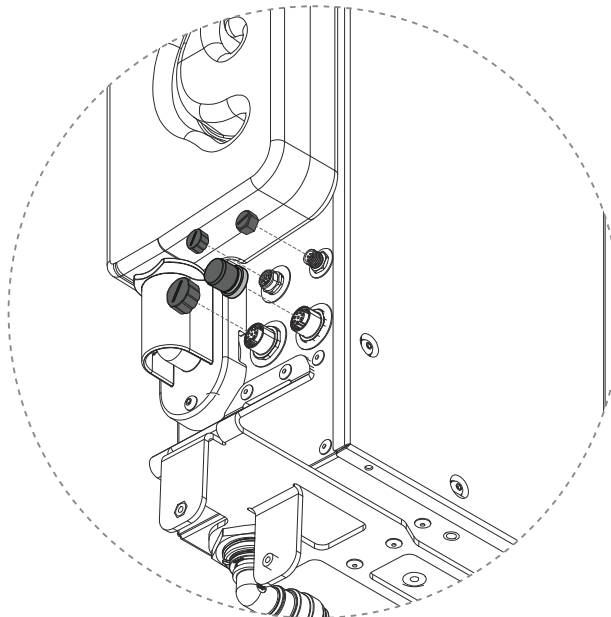


CAUTION

Ensure a proper alignment between the connector and the communication port. This must be done with special attention to prevent damage to the pins.

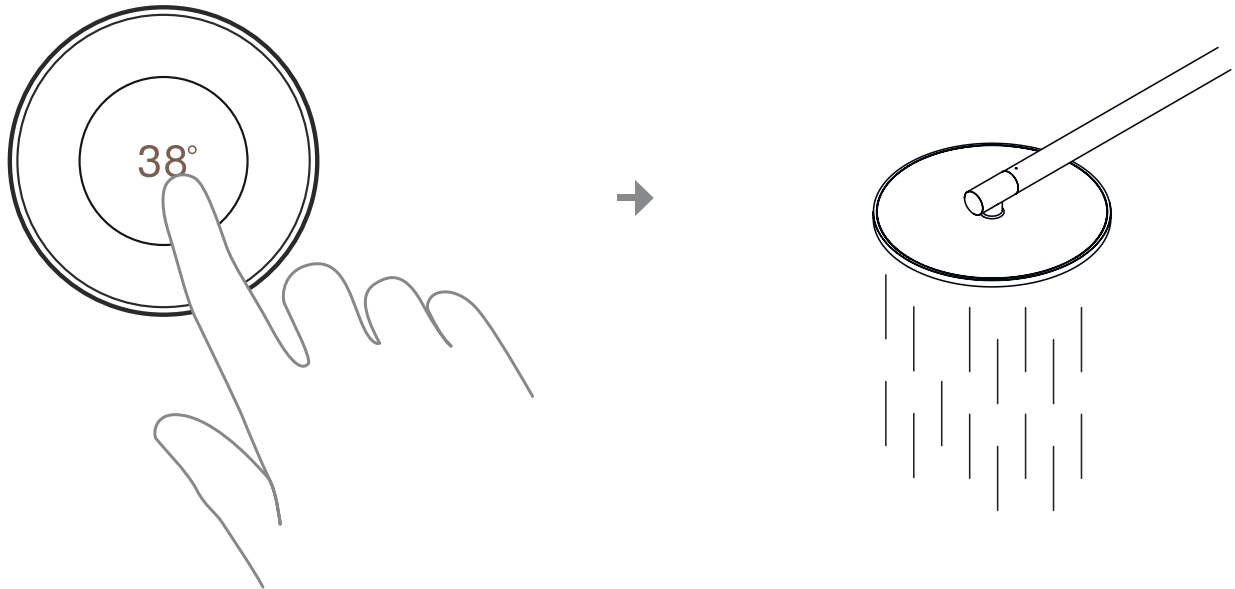


-
12. Fit the protective caps on the old Core and place it in the packaging.

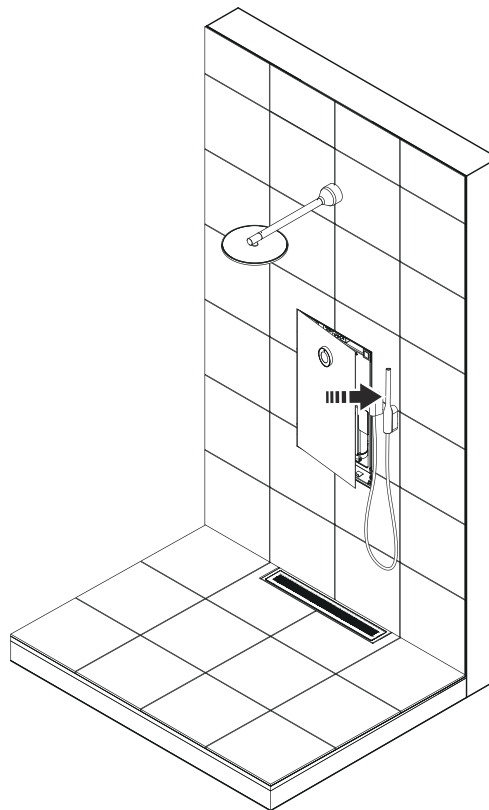


13. Turn on the incoming water. Check and fix any water leaks. Then turn on the power. It takes about 1 minute for Core to start up.

14. Start the shower and let it run for a short time. Then switch off and fix any water leaks.



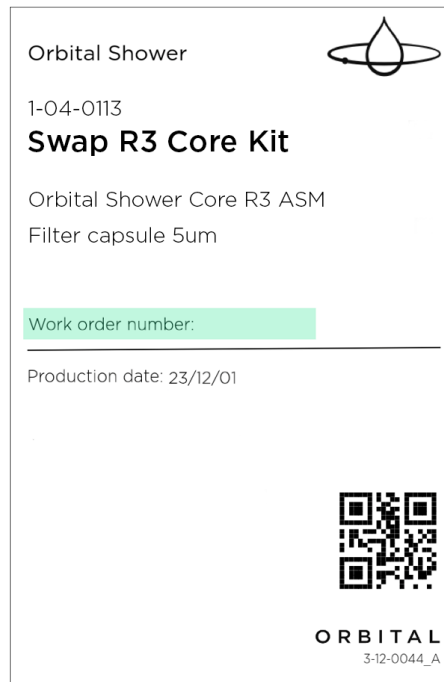
15. Close the door to the Wall Box.



16. Activate the shower. See [Shower activation \[302\]](#).

17. The replaced Core should be sent back to Orbital.

- As per the instructions, make sure the plugs and protective caps are transferred from the new to the old Core.
- Use the box from the new Core to pack the old Core.
- Record the work order number on the label if it is not already there, and contact Orbital to book the pickup.



18. Recycle any other components. ♻️

6a. Swap Core & Sensor unit - Hatch/Cabinet

This instruction shows how to swap the Core and Sensor Tank in a Hatch or Cabinet installation, where the Core is installed outside of the shower area, inside a Wall Box. Follow the instructions in detail, and don't hesitate to reach out if you have any questions - support@orbital-systems.com.

Use the kits below to swap the Core and Sensor unit.

1-04-0113 - Swap R3 Core kit:

Core

Filter Capsule

or

1-04-0182 - Swap R3 refurbished Core kit:

Core Refurbished

Filter Capsule

1-04-0130 - Swap Sensor Tank + Misc. kit - Remote:

Sensor Tank

Filter Capsule

Sensor cable

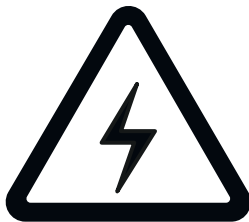
Flush hose

Recirculation hose

Tank accessory parts

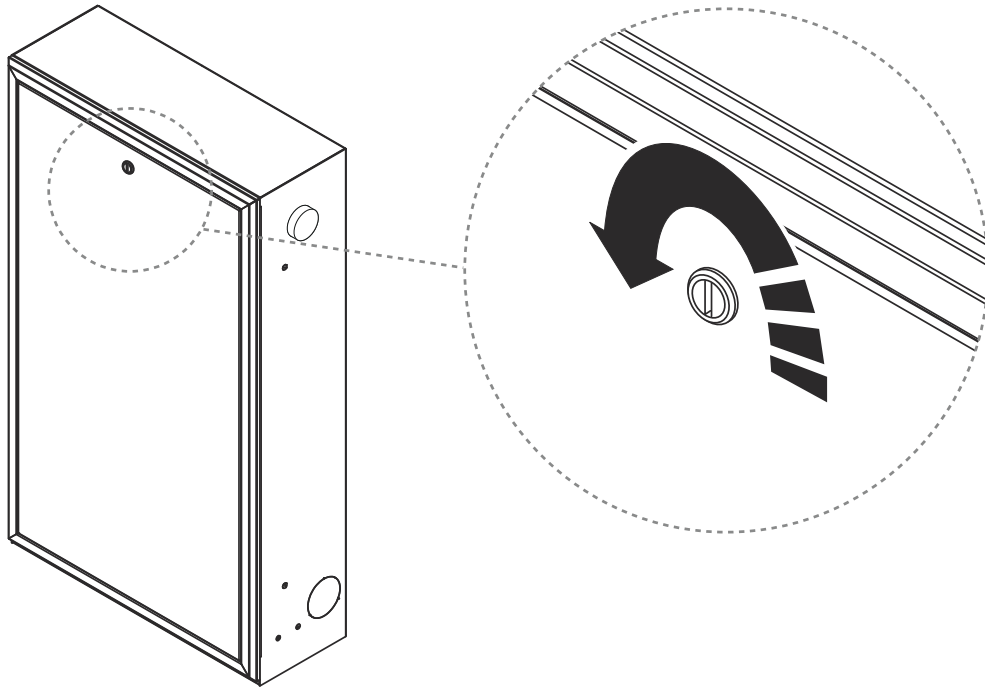
Dismantle Core

1. Turn off the power.

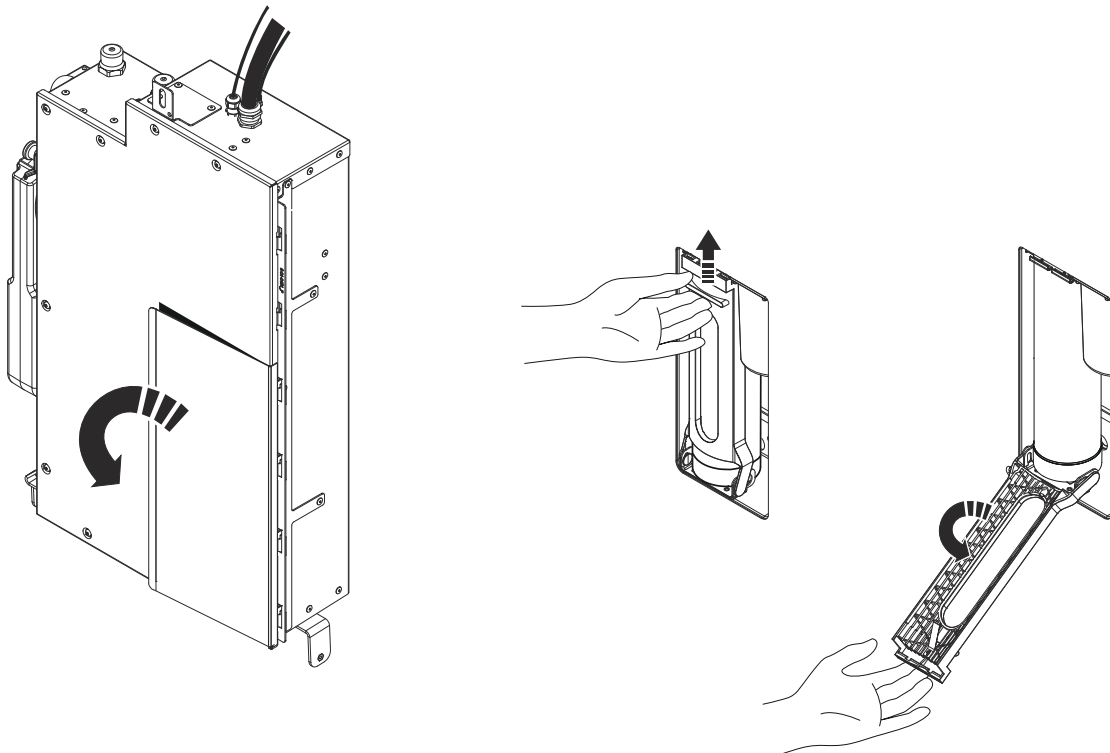


2. Turn off the incoming hot and cold water.

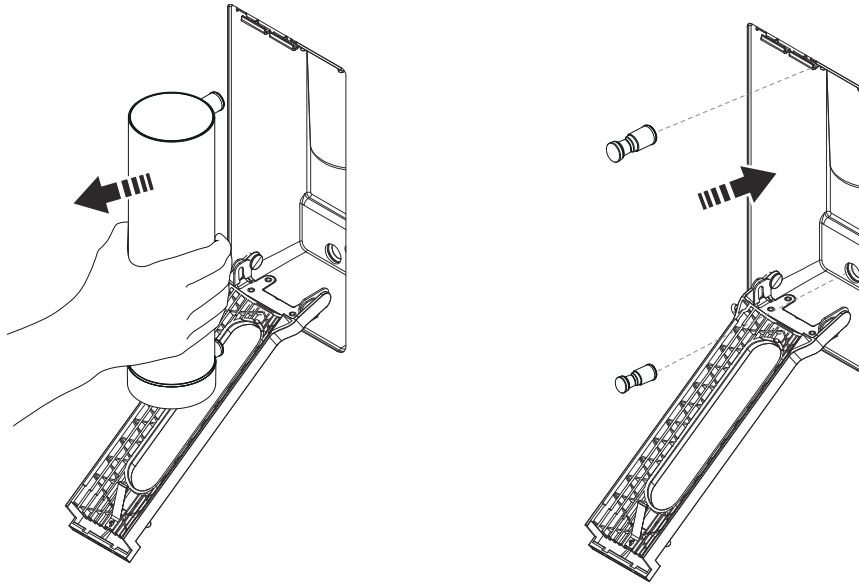
3. Open the door to the Wall Box and put the door and splash guards aside.



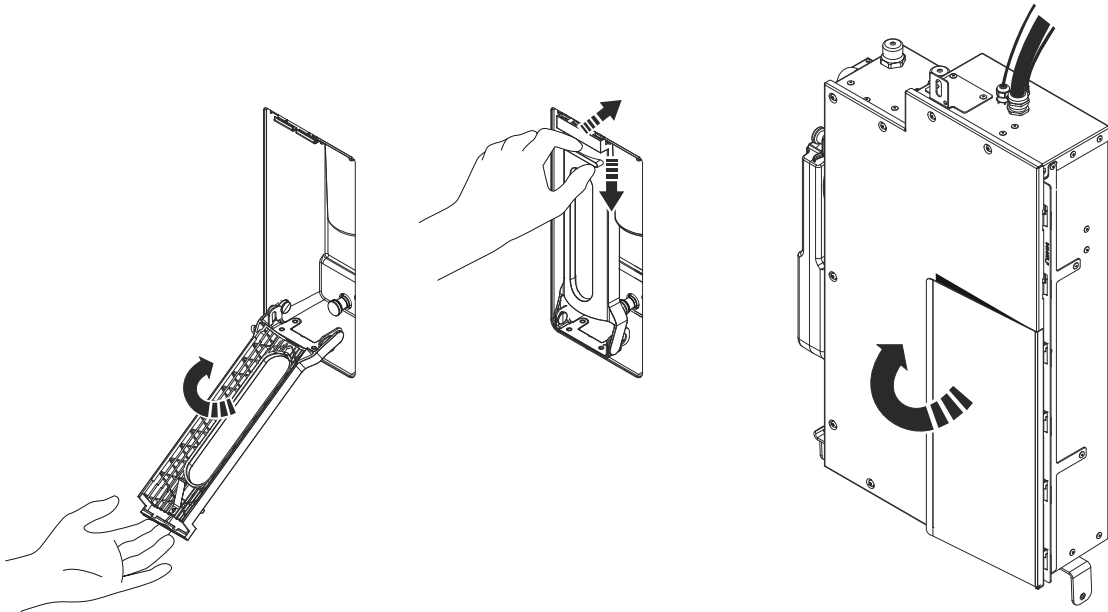
4. Open the door on the Core and release the Filter hatch.



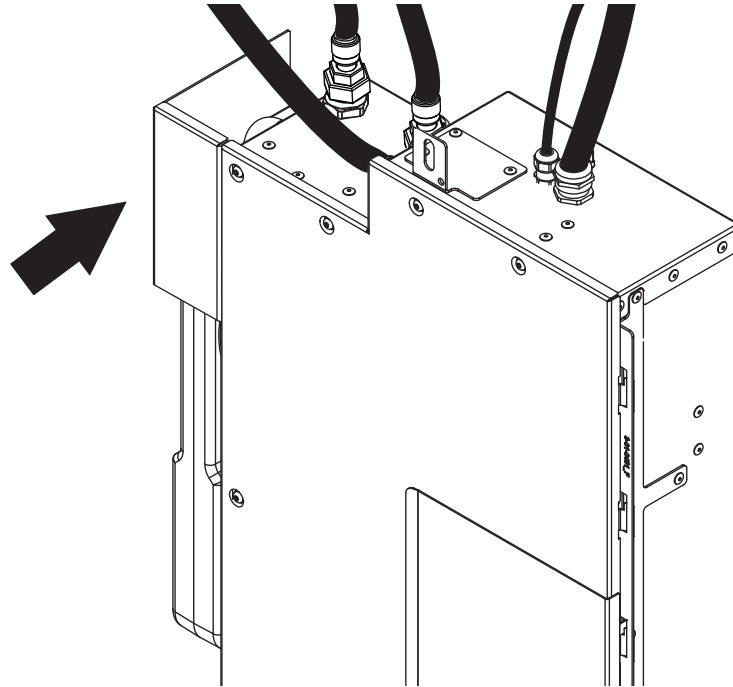
-
5. Remove the Filter Capsule. Use the plugs from the Filter hatch in the new Core and transfer to the old one. The larger plug should be placed in the upper bracket, and the smaller plug in the lower one.



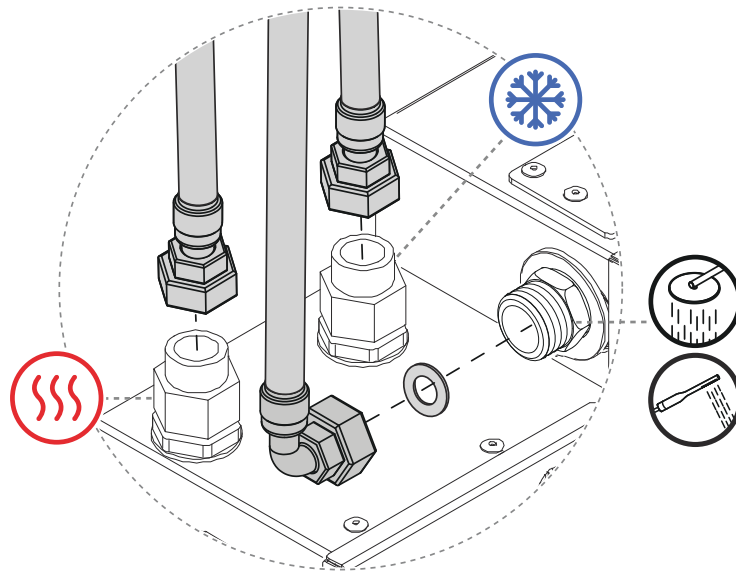
-
6. Close the hatch and the door.



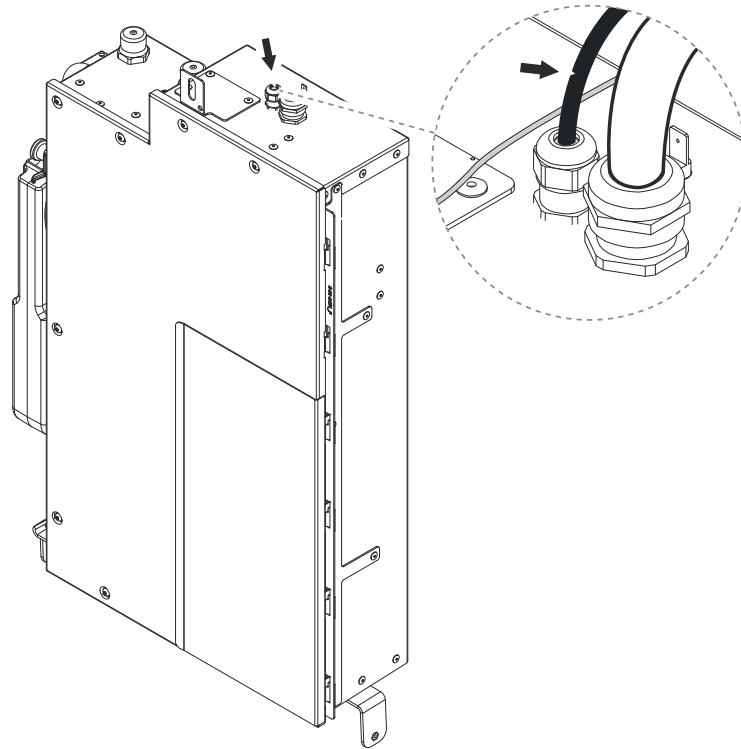
7. Remove the air gap tank cover and set it aside.



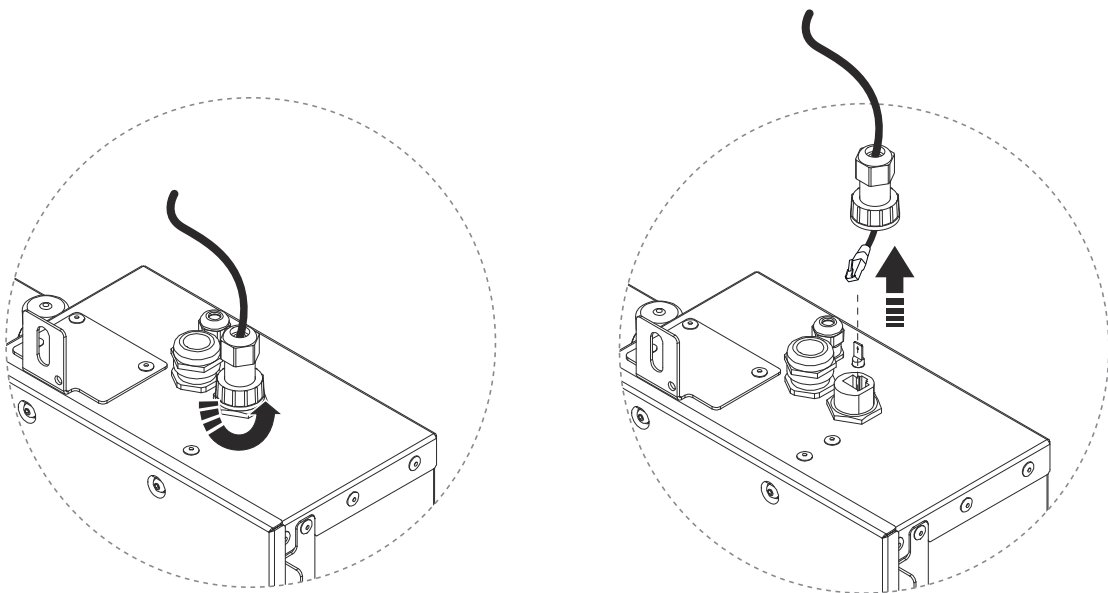
8. Disconnect the shower water connection (outgoing). Then, disconnect the water connections for incoming hot and cold water. Wipe off any remaining water that drains from the pipes.



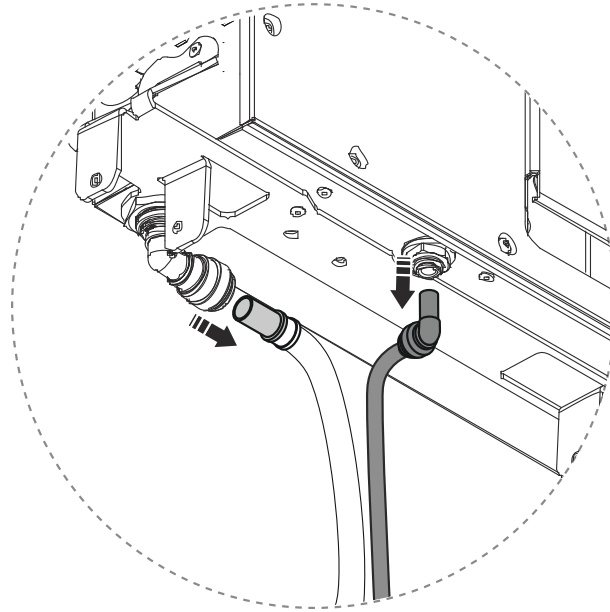
9. Disconnect the WiFi antenna cable.



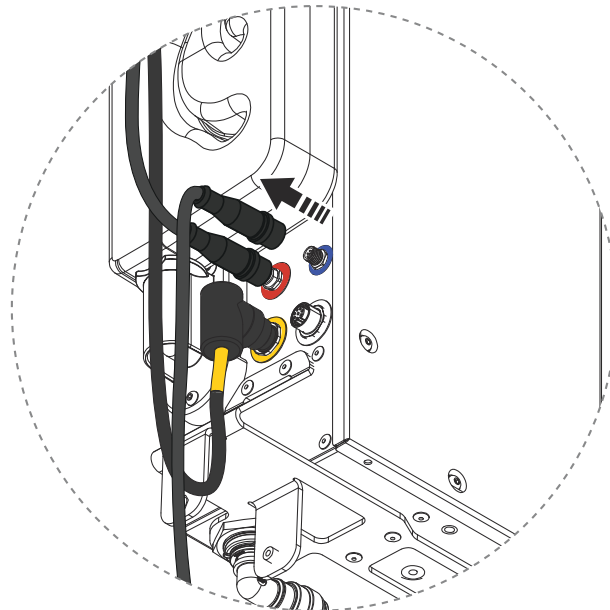
For Ethernet installation: Unscrew the protective cover and disconnect the Ethernet cable.



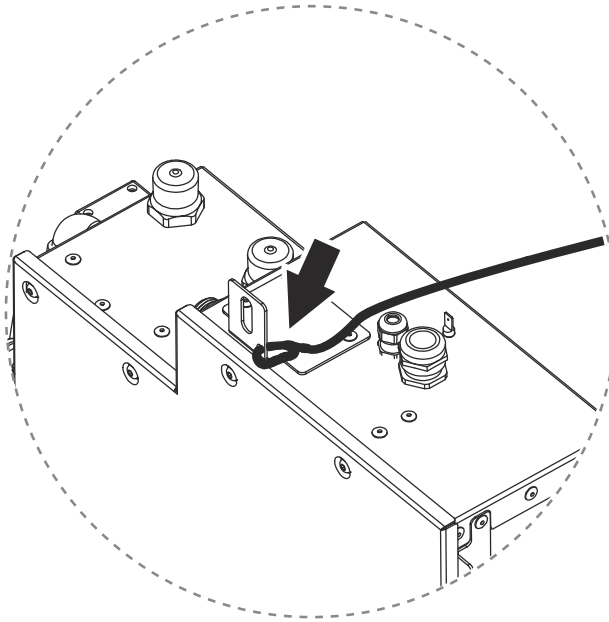
10. Disconnect the flush hose and recirculation hose from the bottom of the Core.



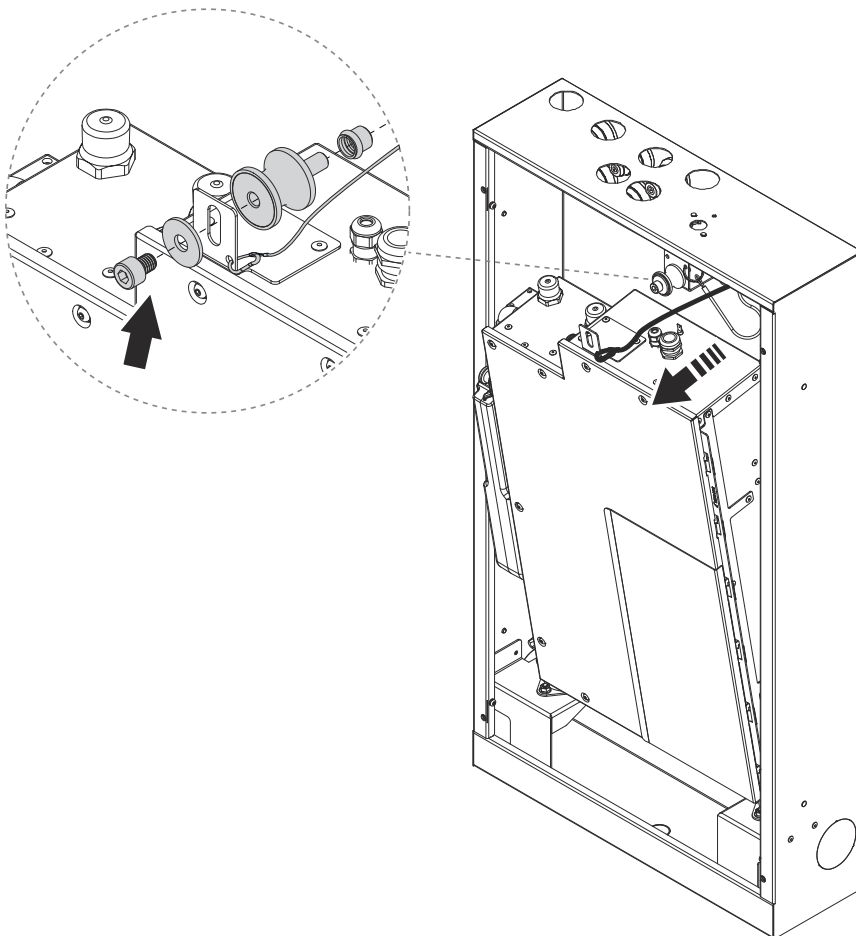
11. Disconnect the Sensor Tank and Control Dial (red and blue connector). For installations with Orbital Audio, also disconnect the amplifier (yellow connector).



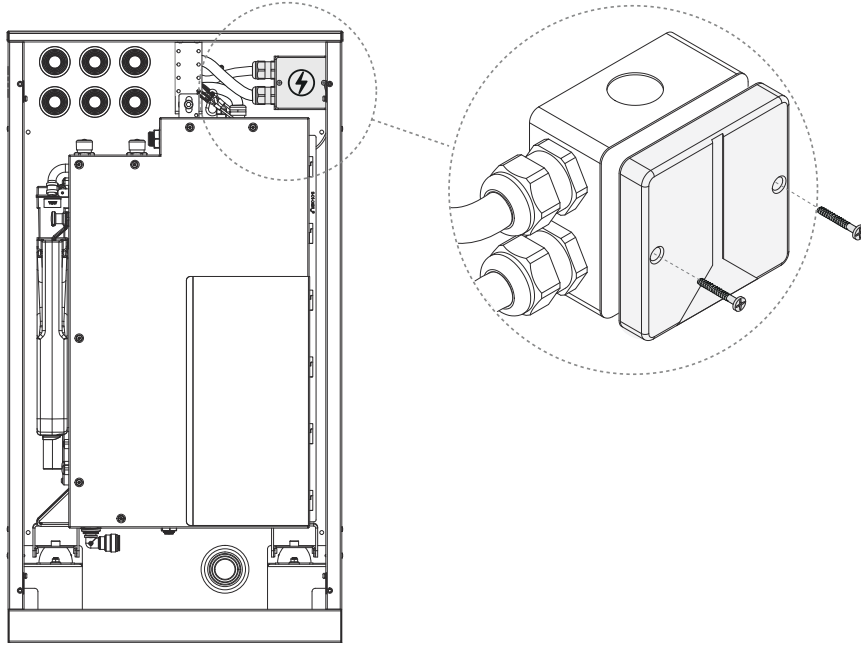
12. Make sure the safety wire is connected to the Core and Wall Box.



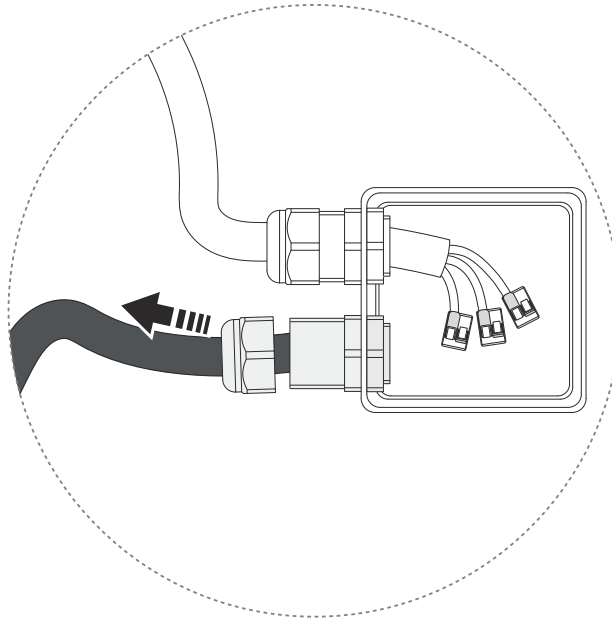
13. Unscrew the Core from the top vibration damper and gently lean it forward until the wire is fully extended and holds the Core.



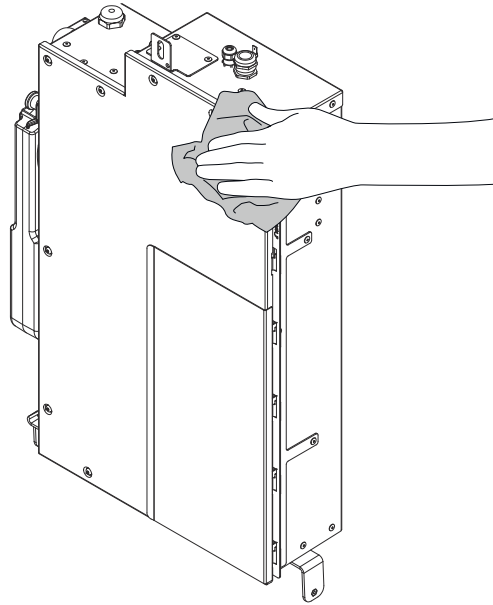
14. Make sure the power is off. Then unscrew the lid of the electrical box and set it aside.



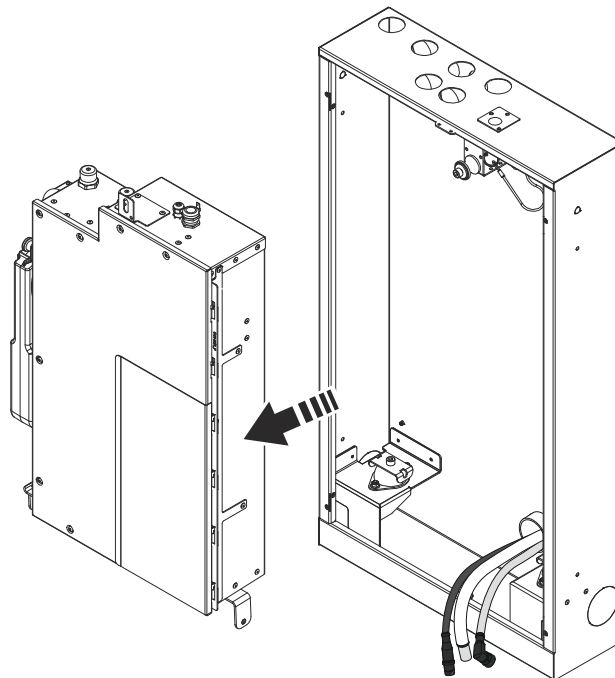
15. Loosen the strain relief. Disconnect the cables and pull out the power cable to the Core from the electrical box.



-
- 16.** Wipe off the Core thoroughly. This is important to ensure a proper grip when lifting it out.

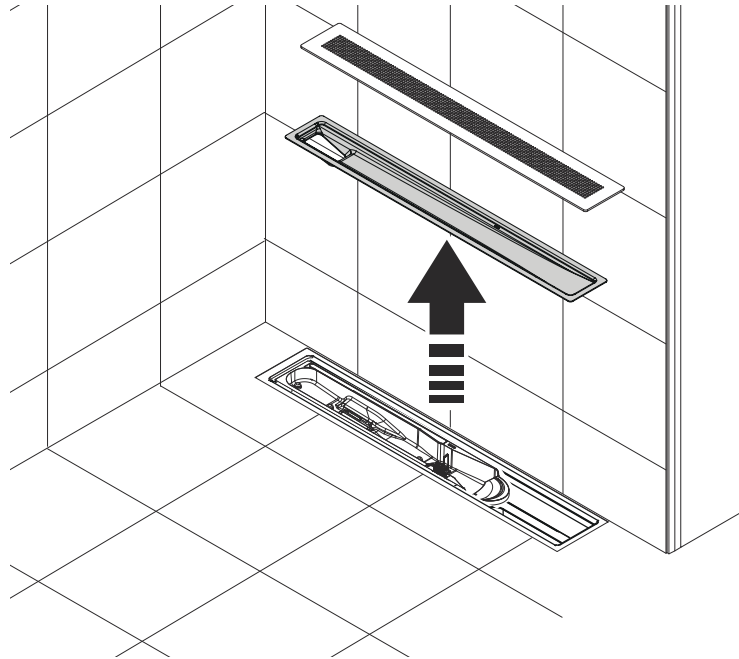


-
- 17.** Disconnect the safety wire and lift out the Core. Put it in a safe and stable place.

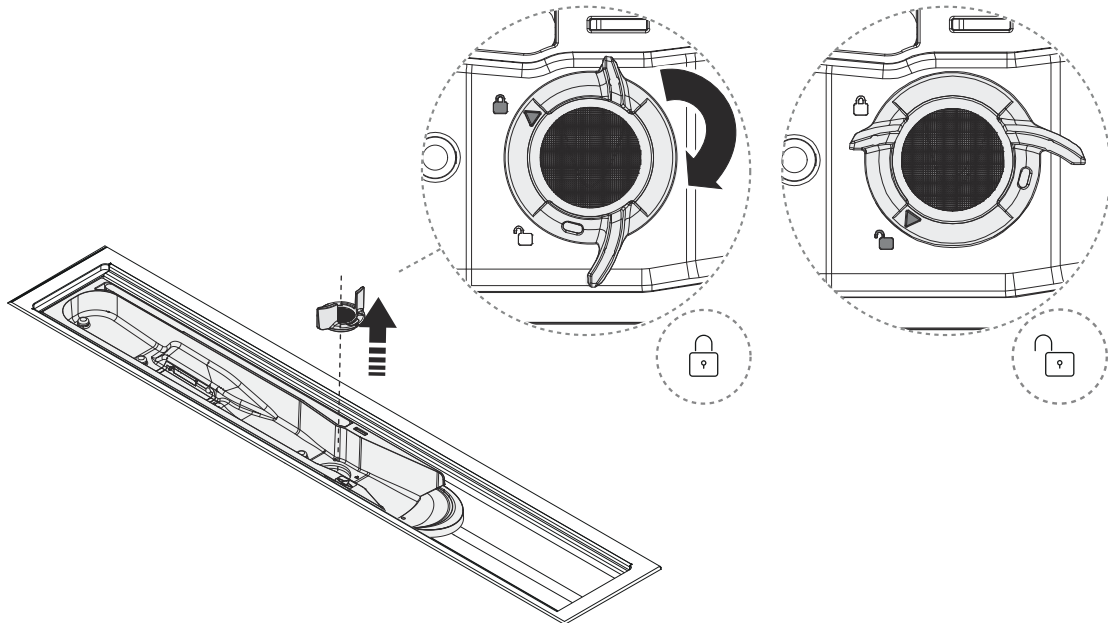


Dismantle Sensor Tank

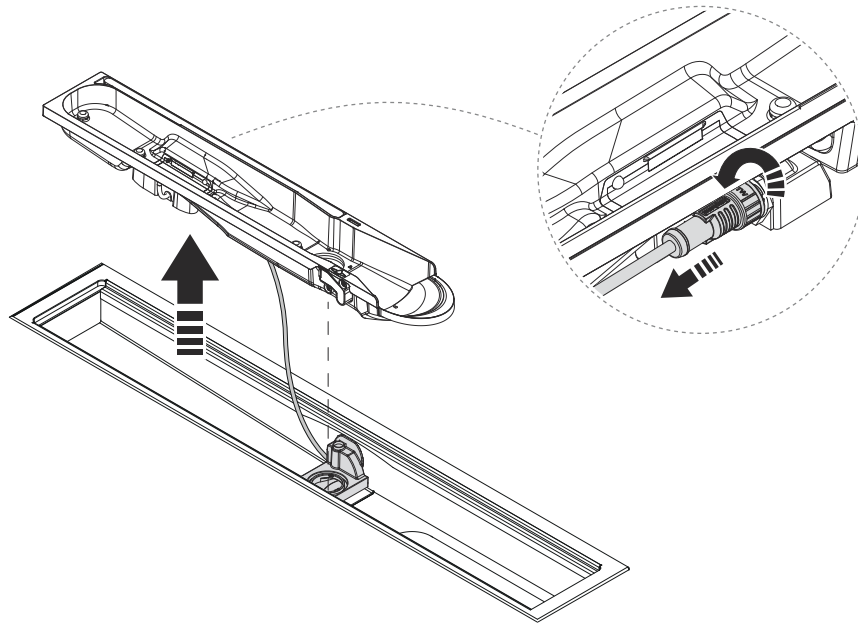
1. Lift the grate and Funnel.



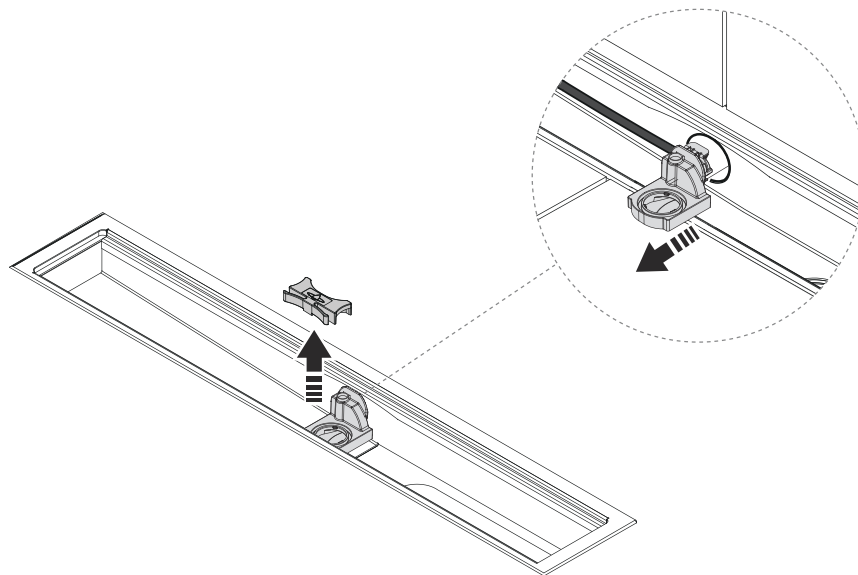
2. Unlock the Sensor Tank by turning the Sensor Tank Lock 90° counterclockwise.



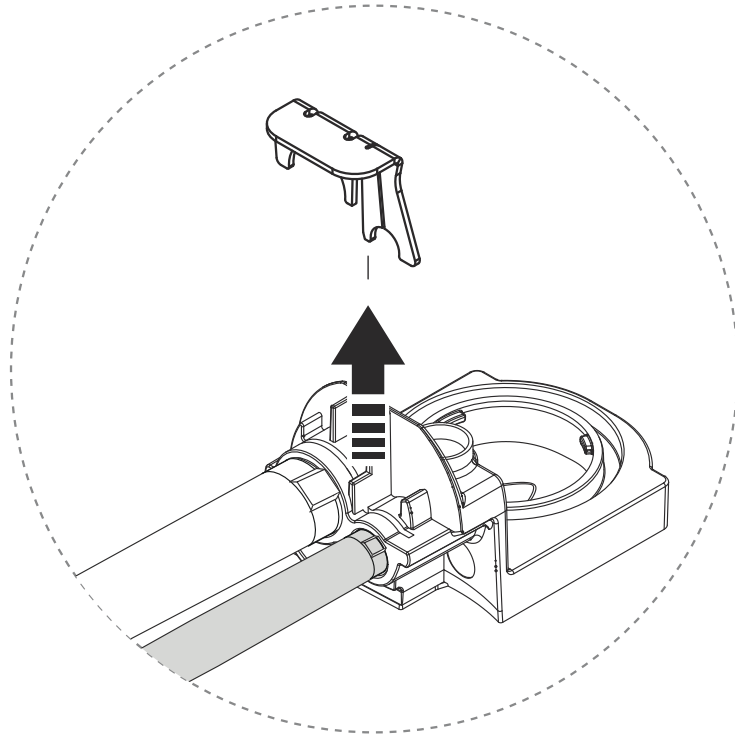
-
3. Lift the Sensor Tank and disconnect the sensor cable by unlocking the connector. Turn the connector flange 90° counterclockwise to unlock.



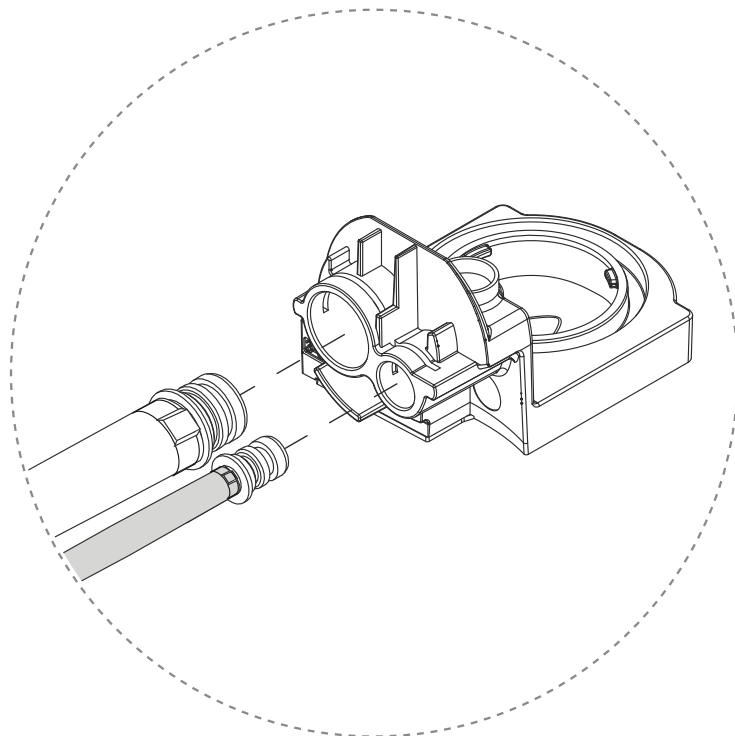
-
4. Remove the spring lock and pull out the Sensor Tank dock.



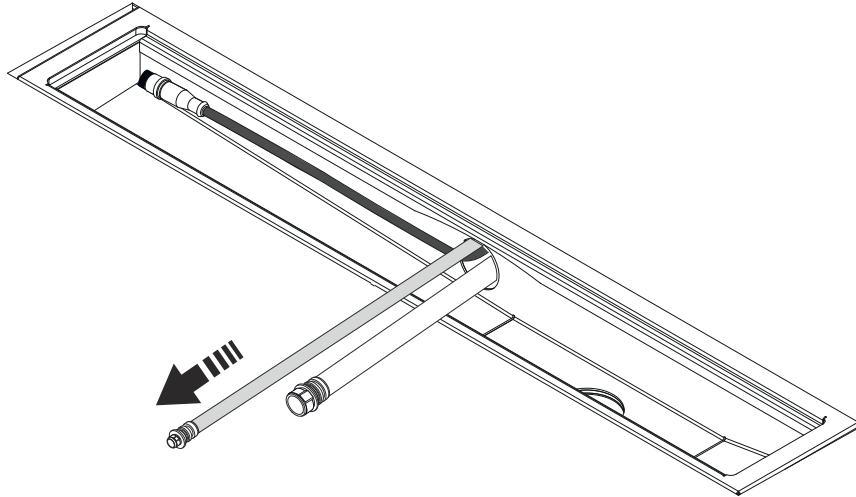
5. Remove the clip to release the hoses.



6. Release the Sensor Tank dock.



7. Pull out the flush hose.



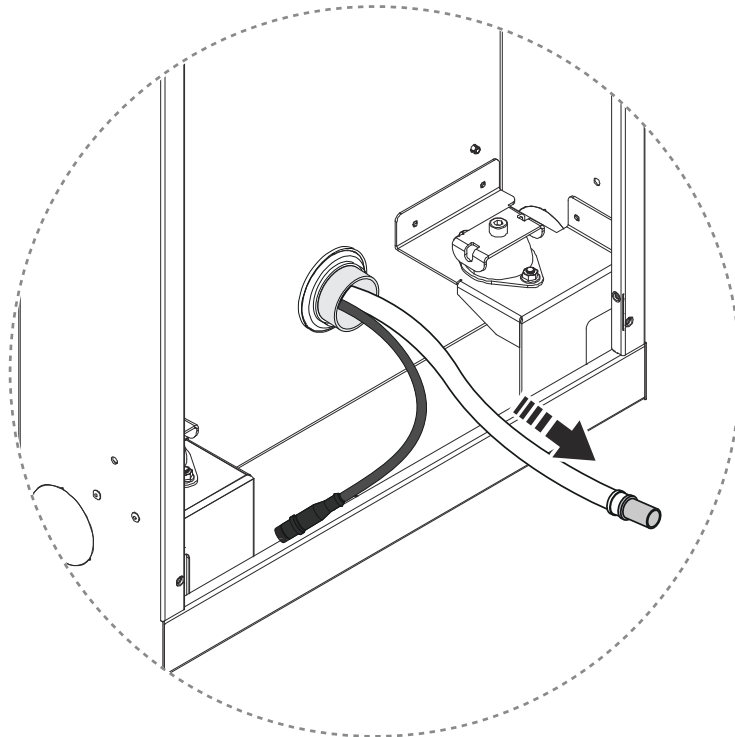
8. Pull out the recirculation hose.



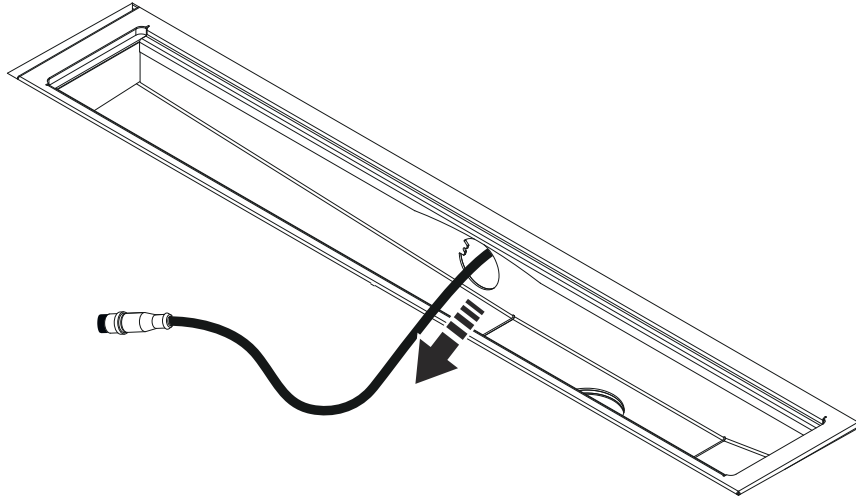
CAUTION

It is important that the circulation hose is pulled out from the top, to minimize the risk of the hose coupling getting stuck in the pipe.

Note that the location of the Core looks different depending on the model the customer has. The connection pipe can be located in the right or left side of the Wall Box, or in the back. In an installation with Basic there is no Wall Box.

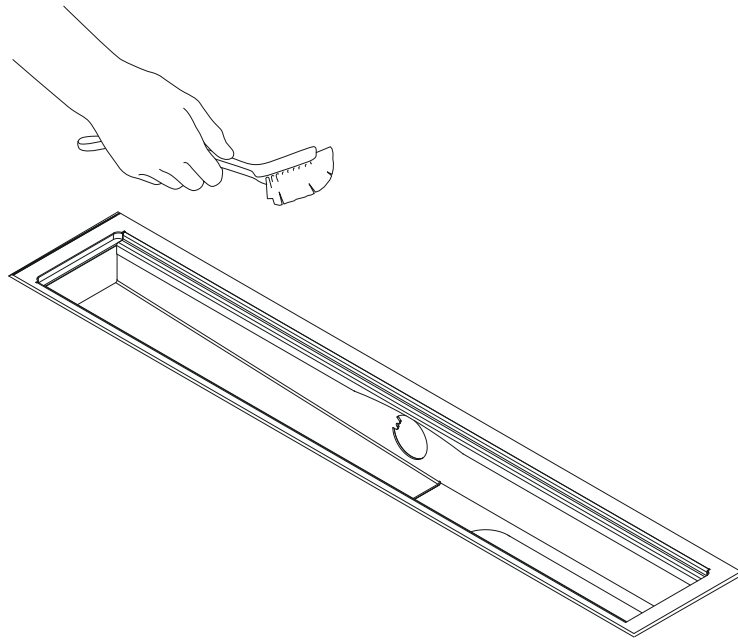


9. Pull out the sensor cable.

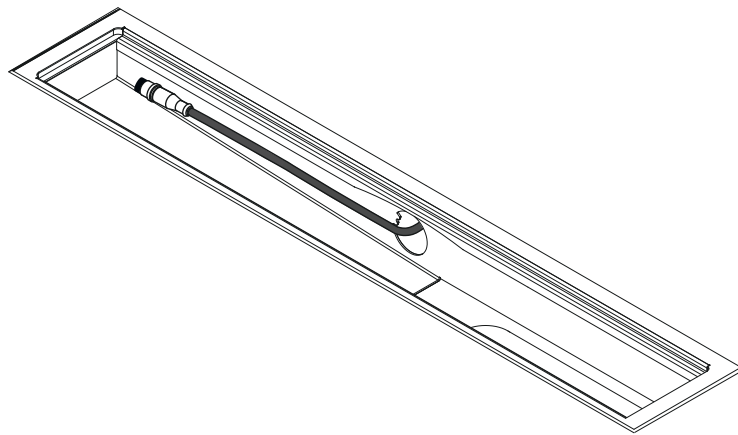


Install Sensor Tank

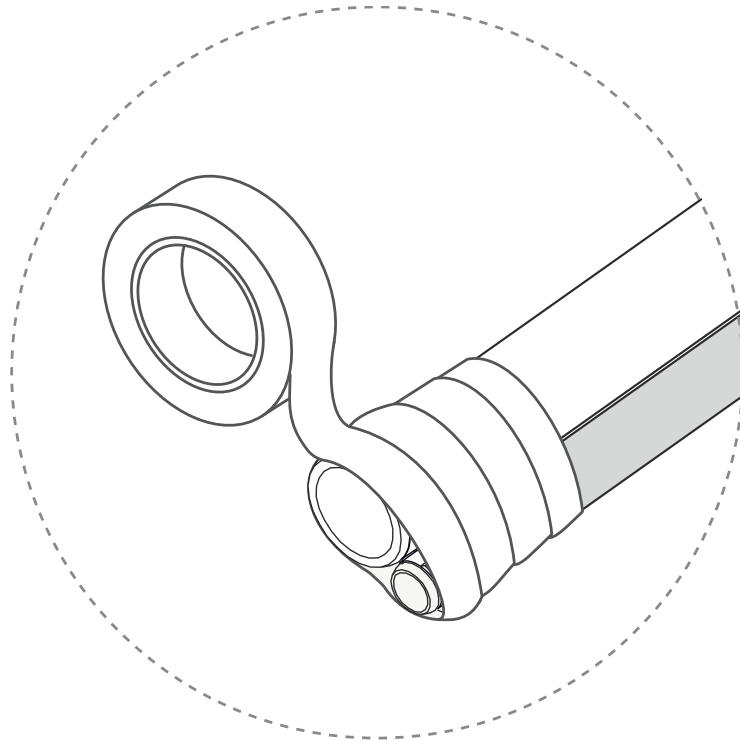
1. Clean the drain unit.



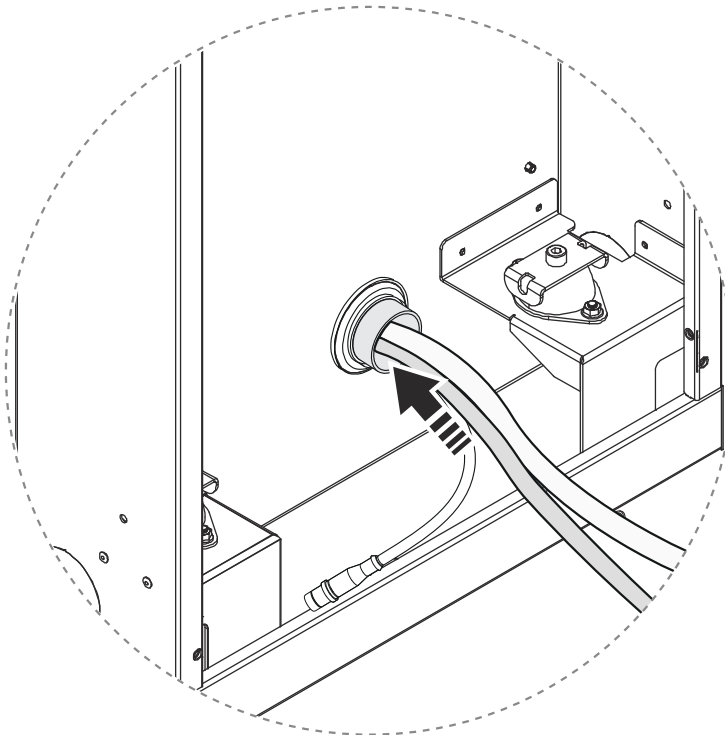
2. Route the sensor cable from the Wall Box through the connection pipe with the large connector down to the Sensor Tank. Pull out the cable about 180 mm in the floor fitting.



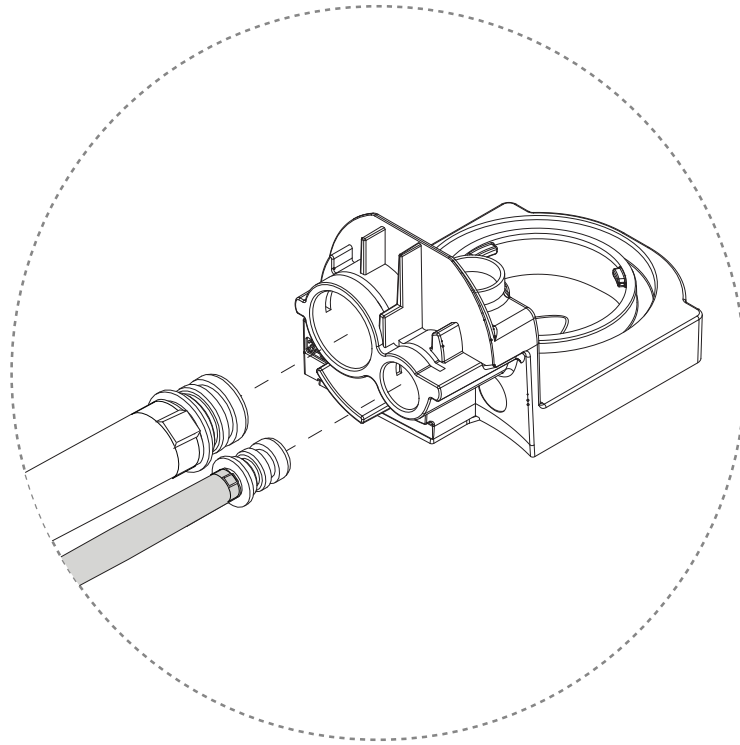
-
3. Tape the flush hose and the recirculation hose together at the end of the couplings, flush hose on the left. Make sure that the couplings, especially the o-rings, are carefully covered with tape.



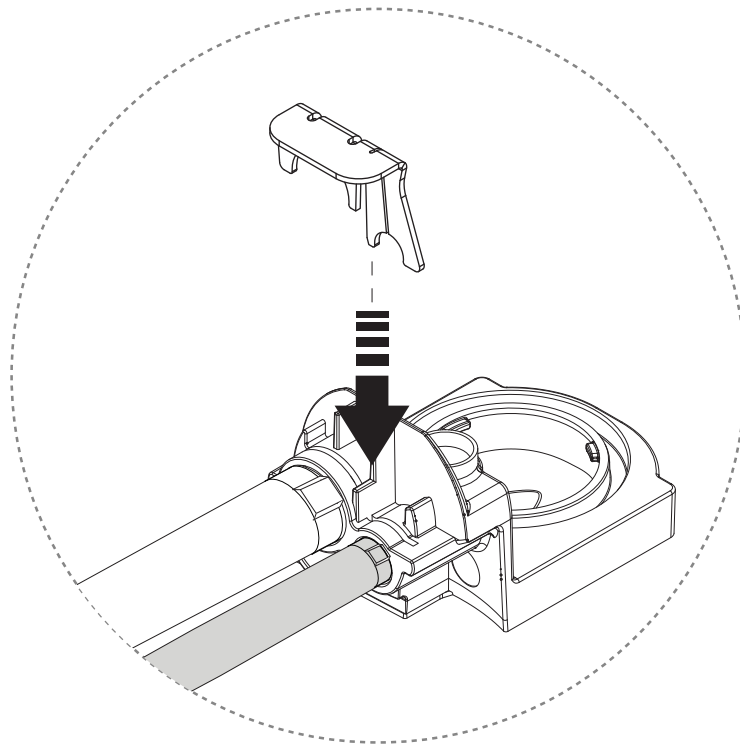
-
4. Pull the hoses through the connection pipe, with the couplings down towards the Sensor Tank. A tension spring is recommended for smooth installation.



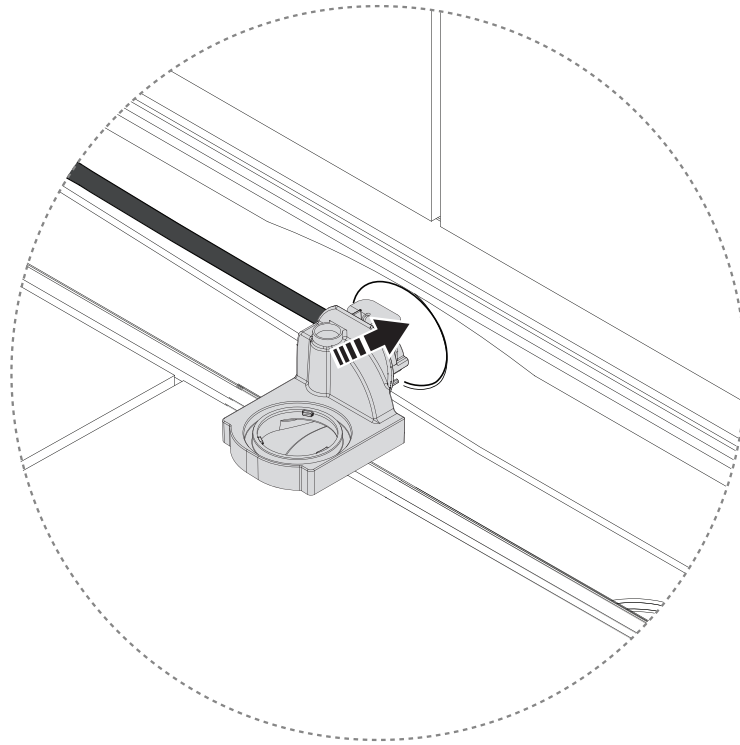
-
5. Apply fitting grease and connect the hoses to the Sensor Tank dock.



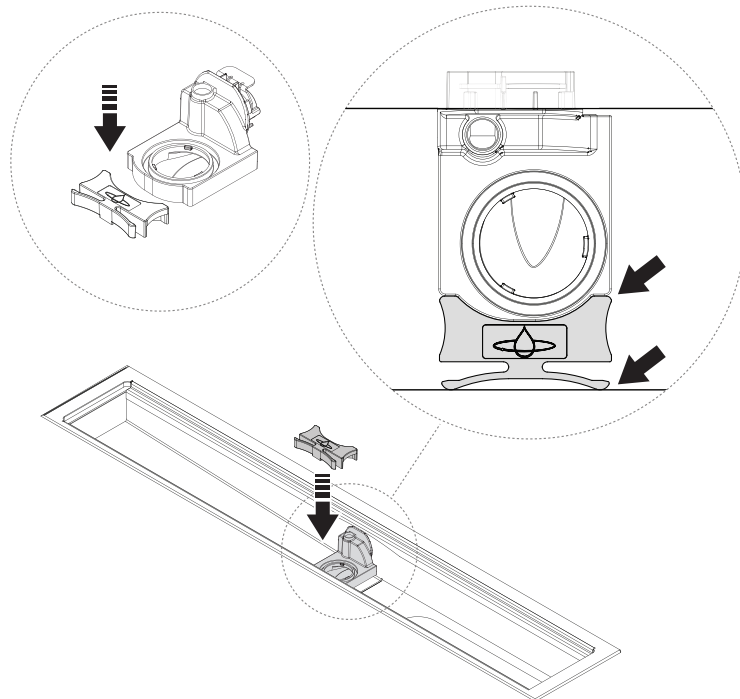
-
6. Lock the hoses using the clip. Press the clip down until it clicks.



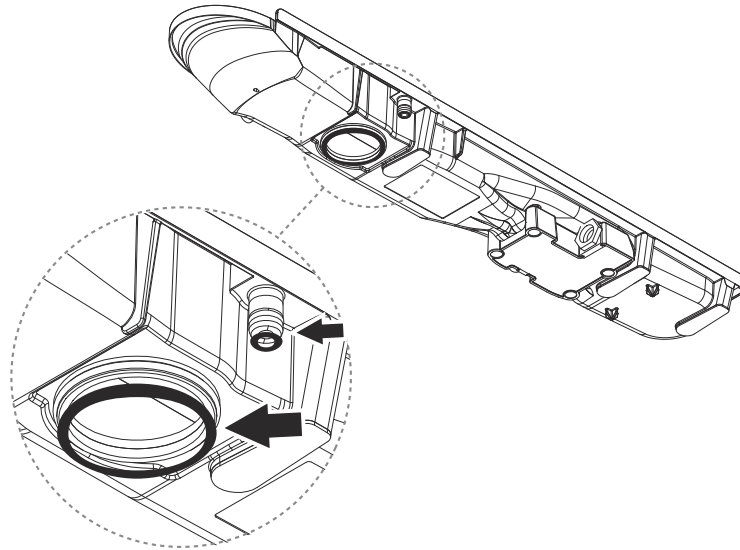
-
7. Insert the dock into the connecting pipe and push it all the way in.



8. Lock the Sensor Tank dock in place with the spring lock. Ensure that the sensor cable is not pinched.



-
9. Apply grease to the Sensor Tank o-rings.

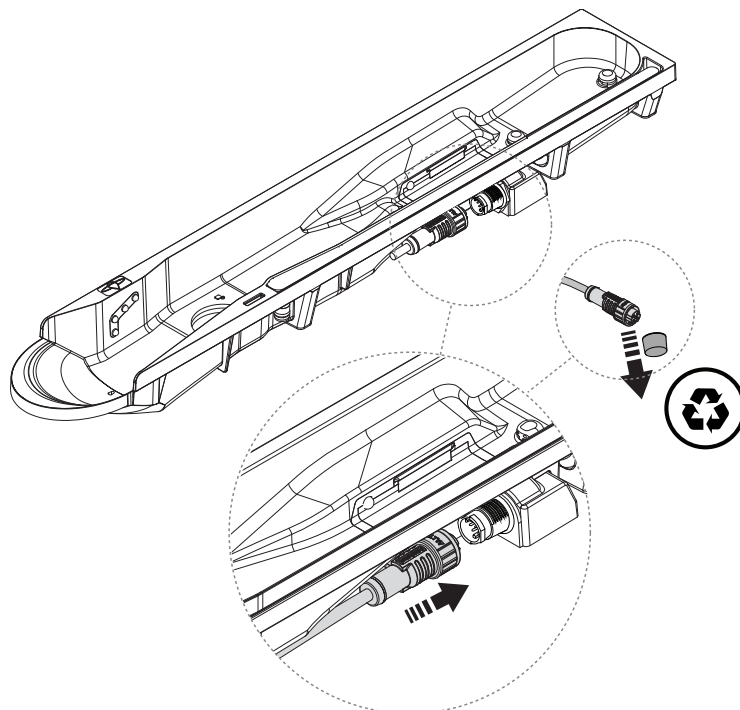


-
10. Remove the protective cap from the sensor cable, and connect the cable to the Sensor Tank.



CAUTION

Make sure to have correct alignment between the groove and the pin when connecting.

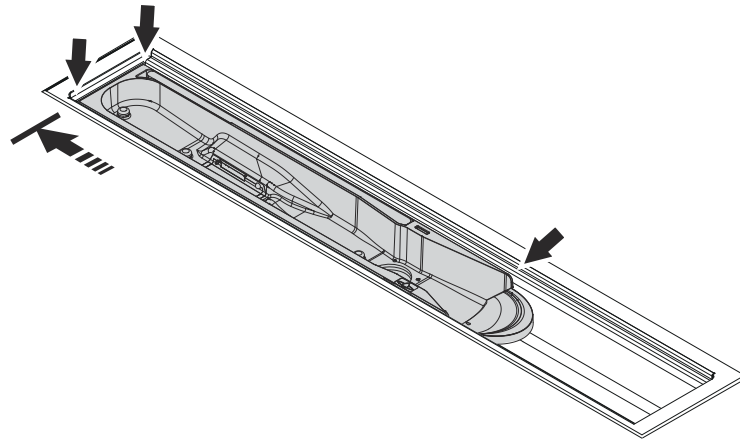


11. Insert the Sensor Tank to the drain unit.

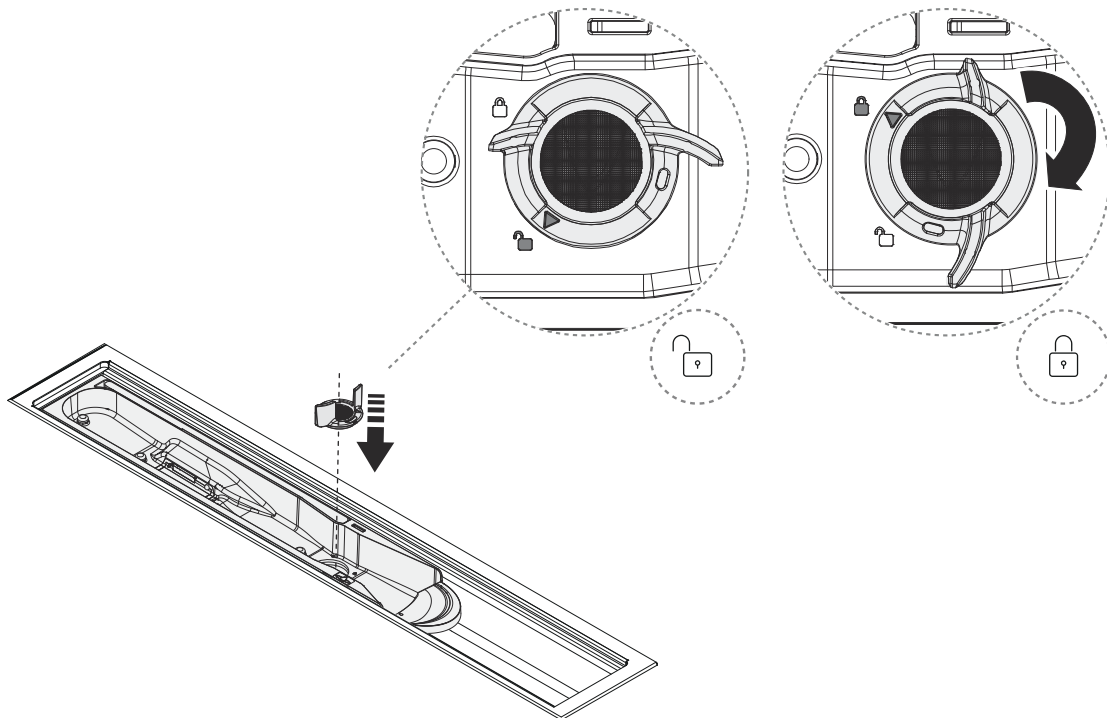


CAUTION

Make sure the Sensor Tank is inserted correctly. Its edge should be fully pushed towards and at level with the edge of the drain unit.



12. Lock the Sensor Tank in place by turning the Sensor Tank Lock 90° clockwise.

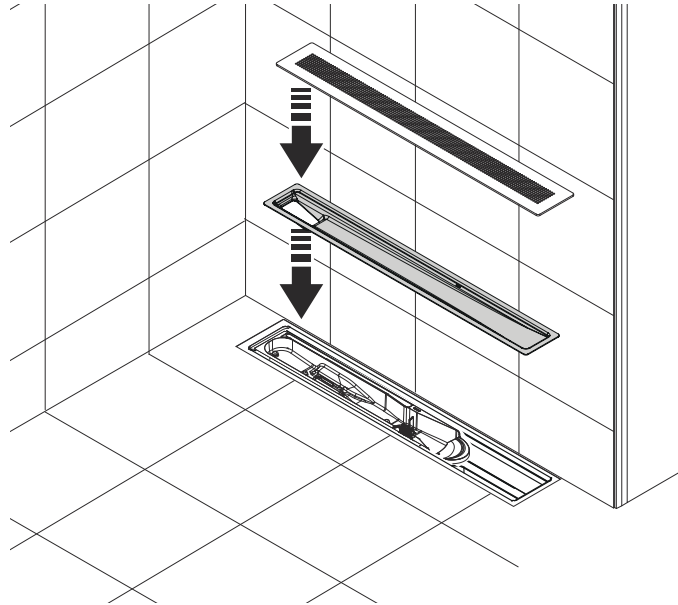


13. Place the Funnel and grate back in place.



NOTE

Place the Funnel with the hole oriented to the left! Placing the hole oriented to the right will disable recirculation.

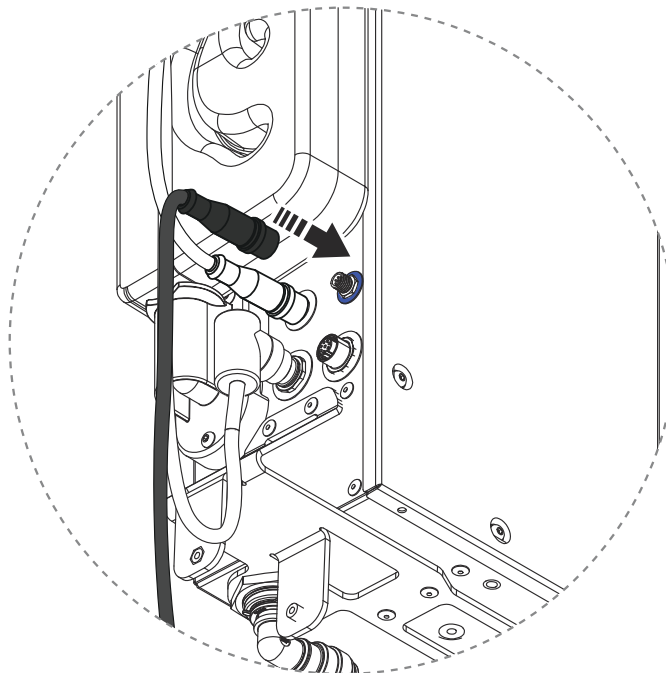


14. Connect the sensor cable to the communication port on the Core (blue port). The connector should be tightened by hand.

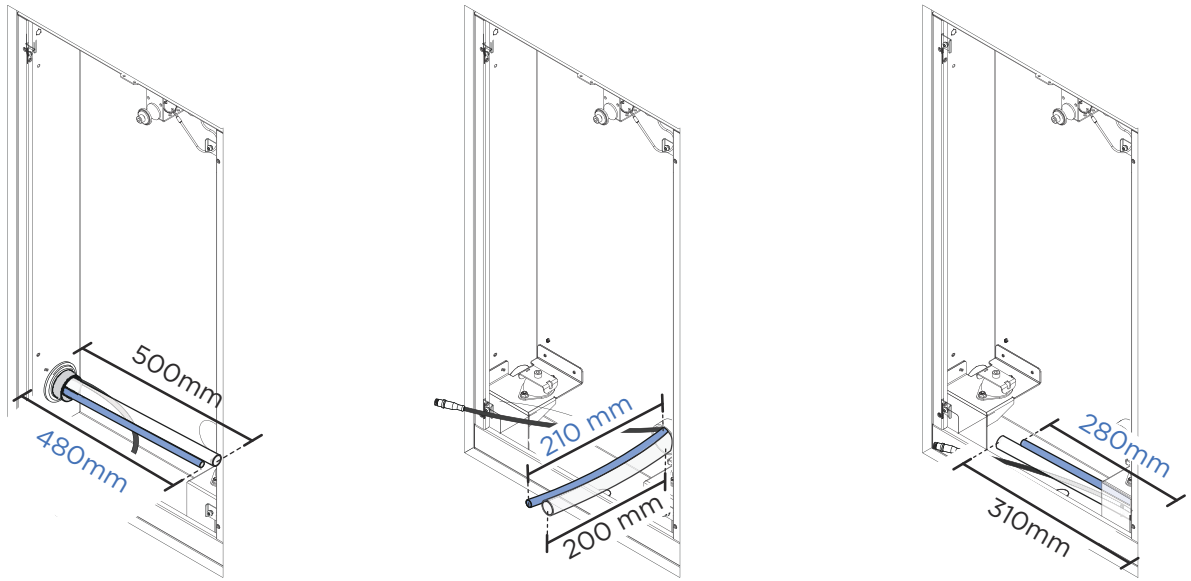


CAUTION

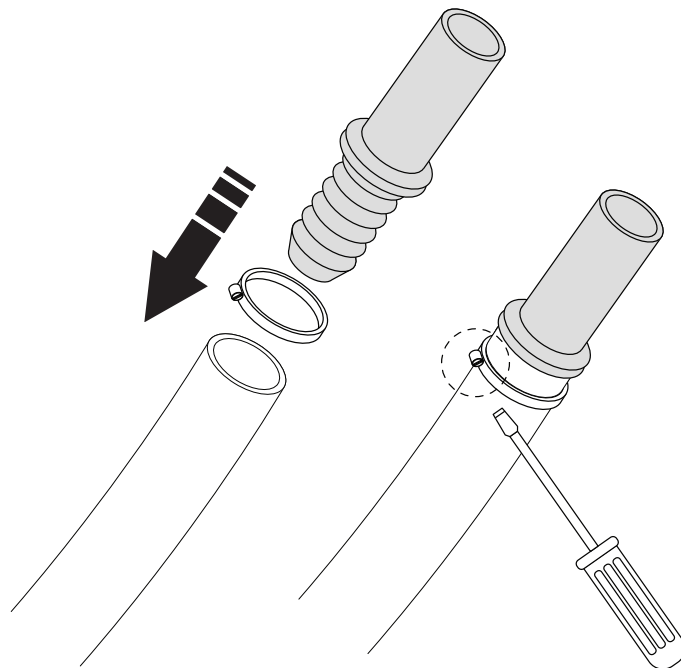
Ensure correct alignment between the connector and communication port. This must be done with particular attention to prevent damage to the pins.



15. Cut the circulation hose and the flushing hose according to the measurements below from the rubber grommet of the Wall Box, or from the connection pipe in the case of an installation with Basic, depending on the installation.



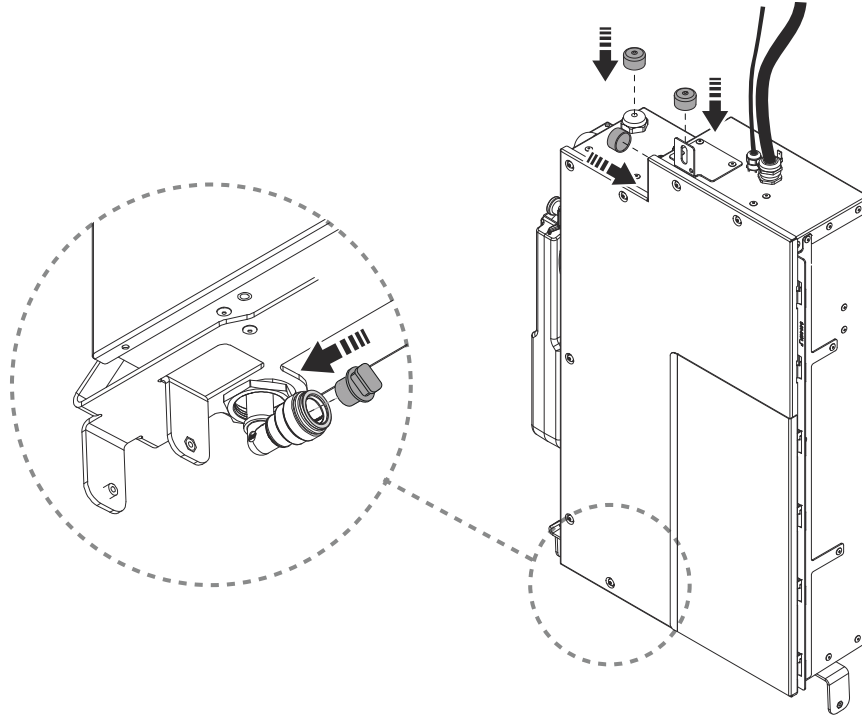
16. Apply fitting grease to the separate hose coupling, push all the way into the circulation hose and tighten with the hose clamp.



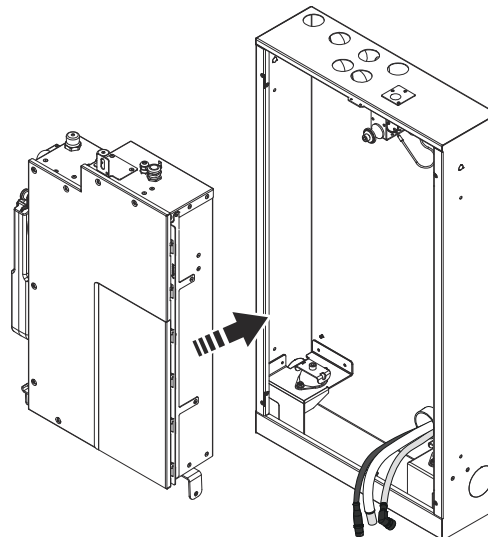
Install Core

Take the new Core out of the packaging and put it in a safe and stable place. Make sure the packaging is saved in good condition - it should be reused when returning the replaced Core.

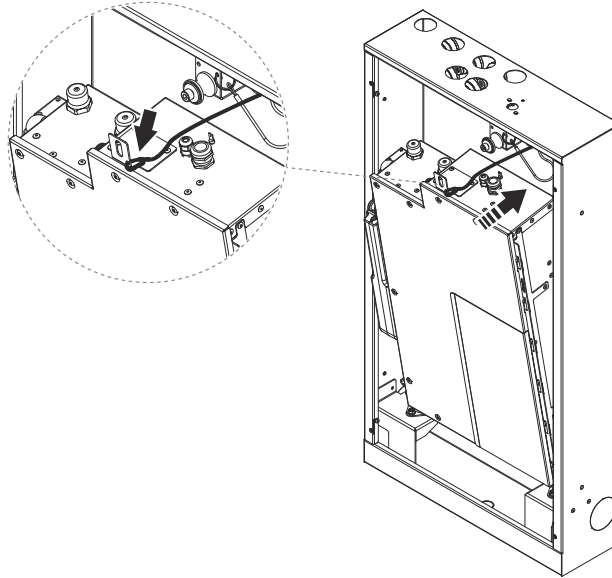
1. Transfer the transport plugs from the new Core to the old one.



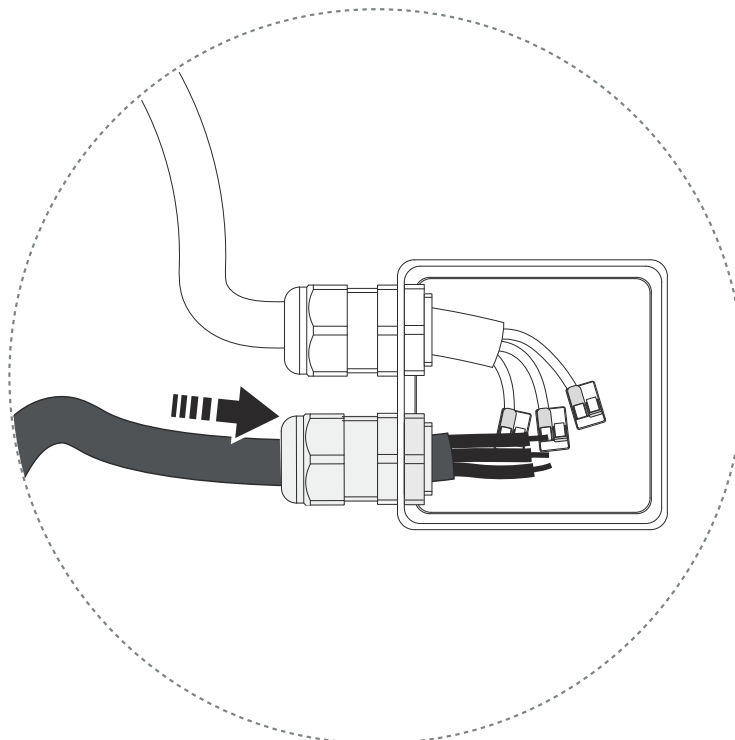
2. Place the new device in the Wall Box. The Core should click all the way into the vibration damper.



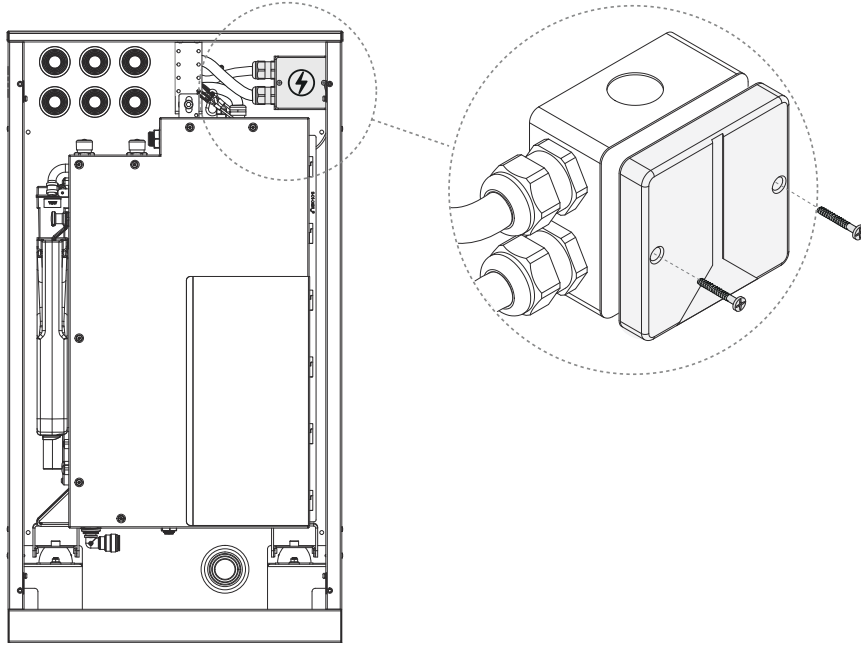
-
3. Attach the safety wire to the Core and keep it in the tilted position.



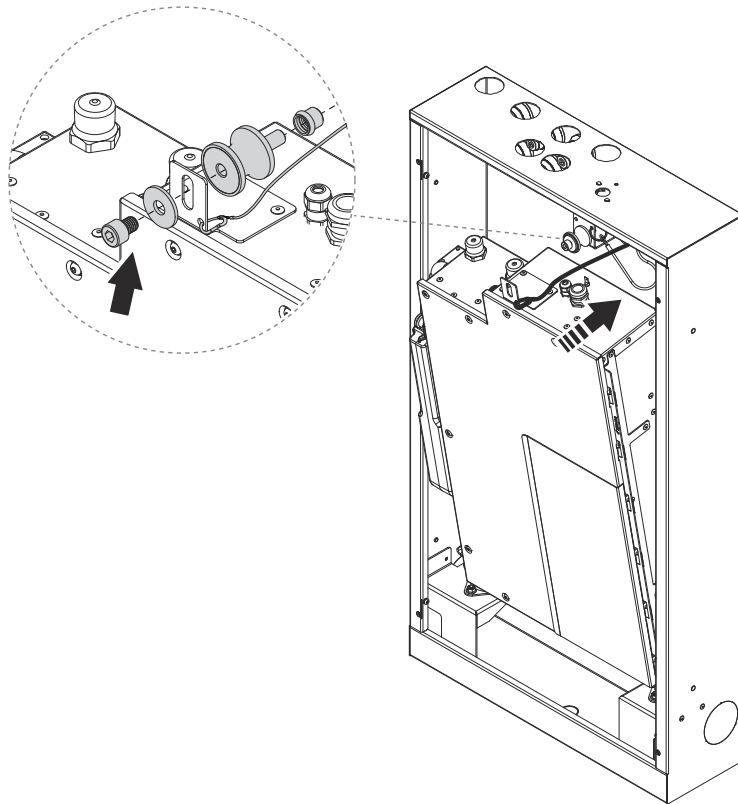
-
4. Feed the stripped part of the electrical cable into the electrical box and tighten the strain relief.



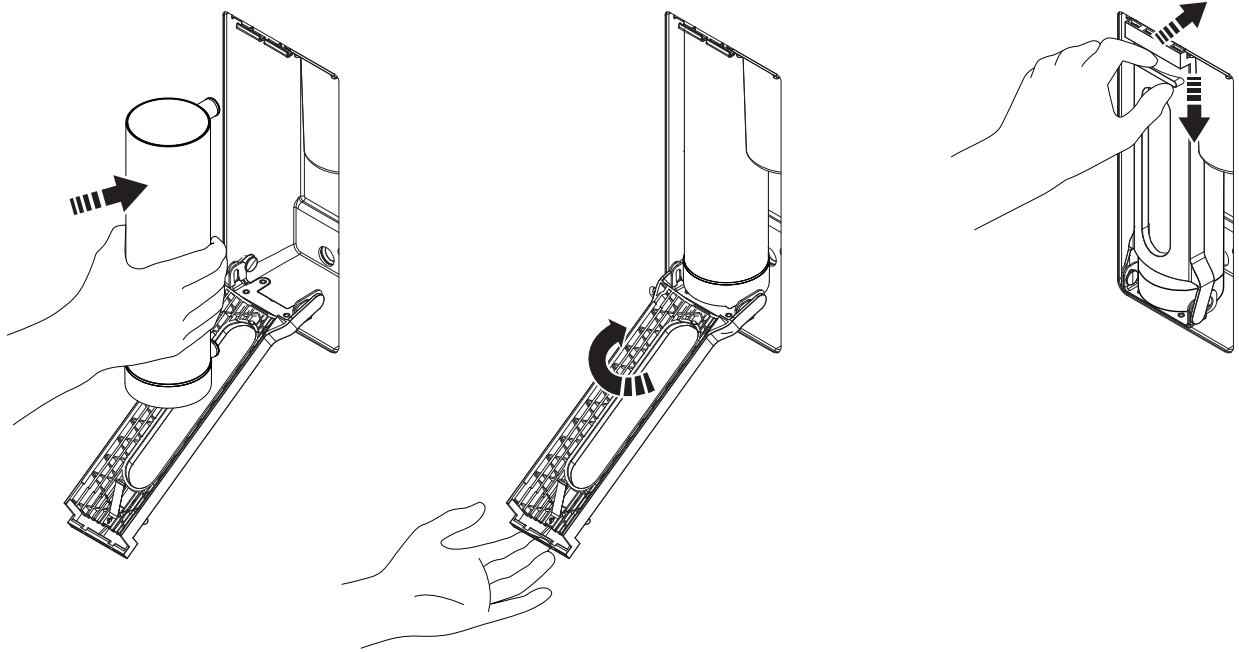
-
5. Connect the cables and screw the lid back to the electrical box.



-
6. Lean back and screw the Core onto the vibration damper. Make sure the electrical cable is placed behind the hot water pipe without any sharp bends, and make sure it is not pinched behind the Core.



7. Open the Filter hatch and insert a Filter Capsule.

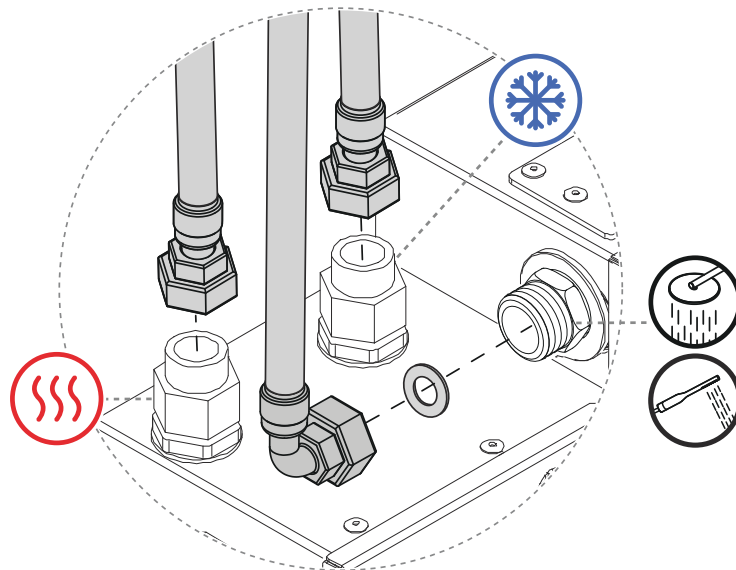


8. Connect the hot and cold water connections. Then connect the shower water connection to the Core.

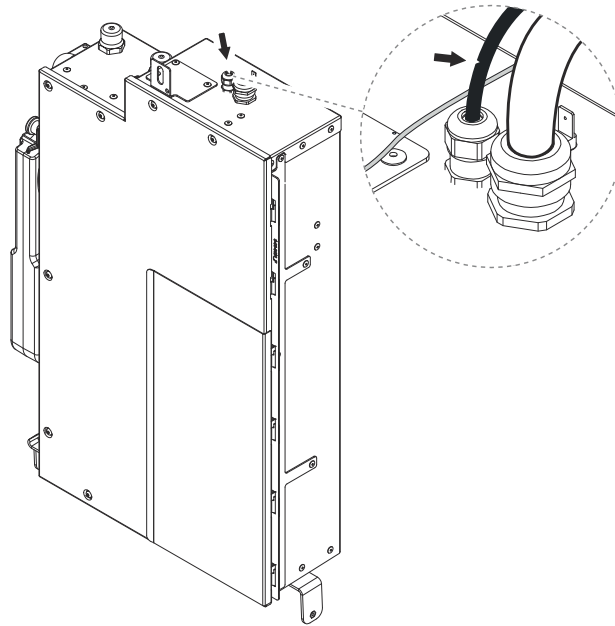


CAUTION

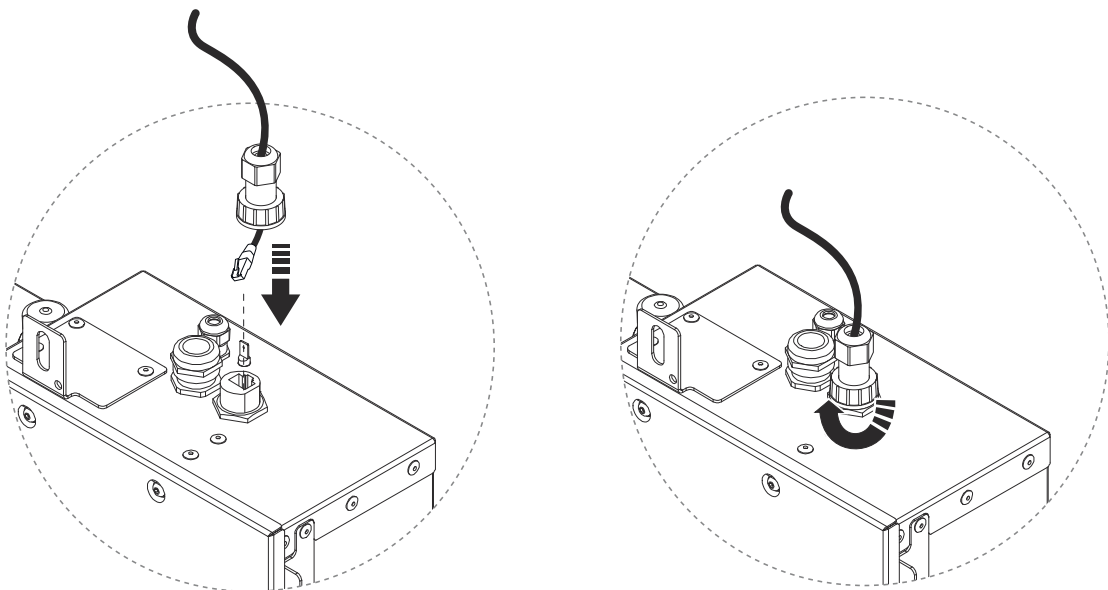
Make sure the gaskets are in good condition and have no damage.



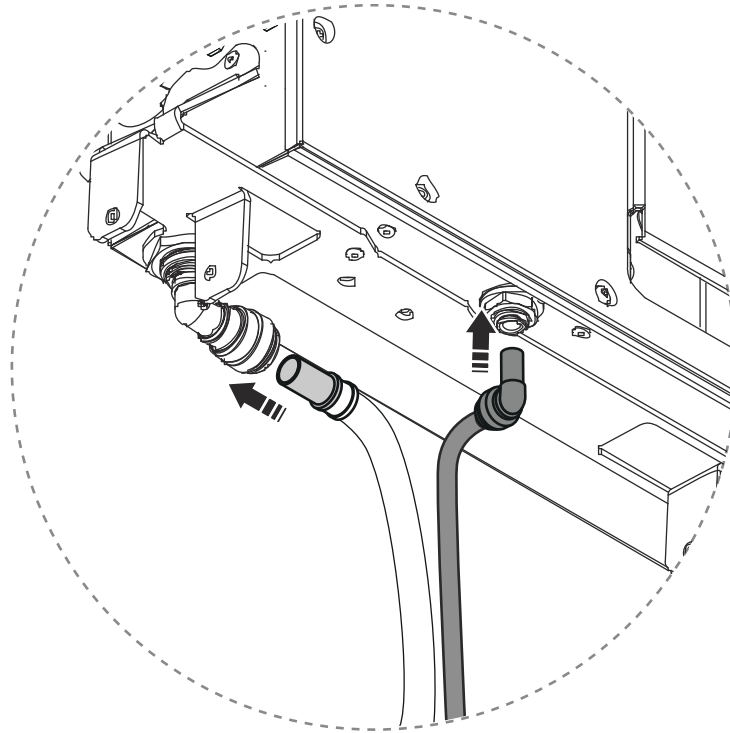
9. Connect the Wi-Fi antenna cable.



For Ethernet installation: Unscrew the protective cover and connect the Ethernet cable.



-
- 10.** Apply fixture grease and connect the recirculation hose and flush hose to the Core. It is important to relubricate the plug-in coupling and hose to prevent damage to the o-ring in the connection on the Core.



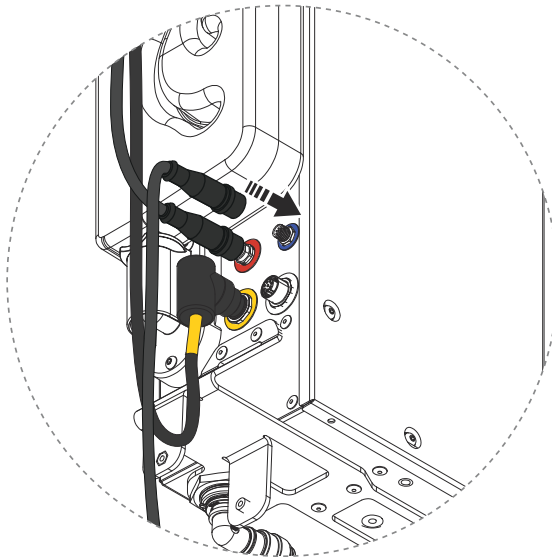
-
11. Unscrew the protective caps on the red and blue communication ports on the Core. Then plug in the Control Dial (red port) and Sensor Tank (blue port).

For installations with Audio: Unscrew the protective cap on the yellow communication port and plug in the amplifier. The contacts should be tightened by hand, and the cable to the Control Dial and amplifier should be routed behind the air gap tank.

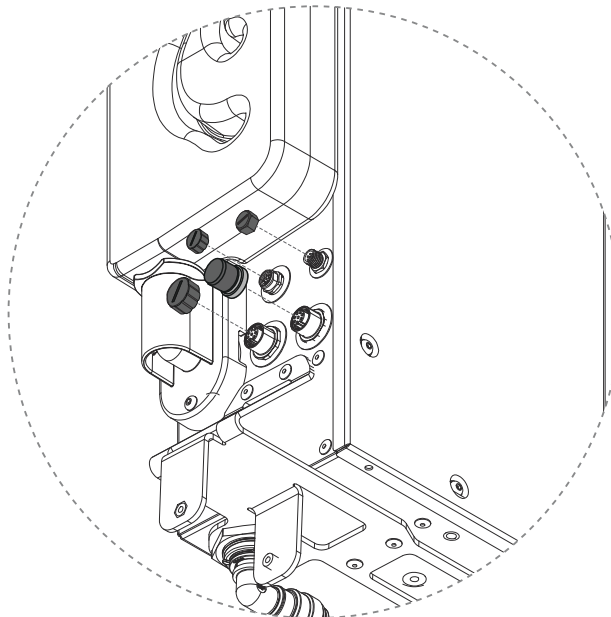


CAUTION

Ensure a proper alignment between the connector and the communication port. This must be done with special attention to prevent damage to the pins.

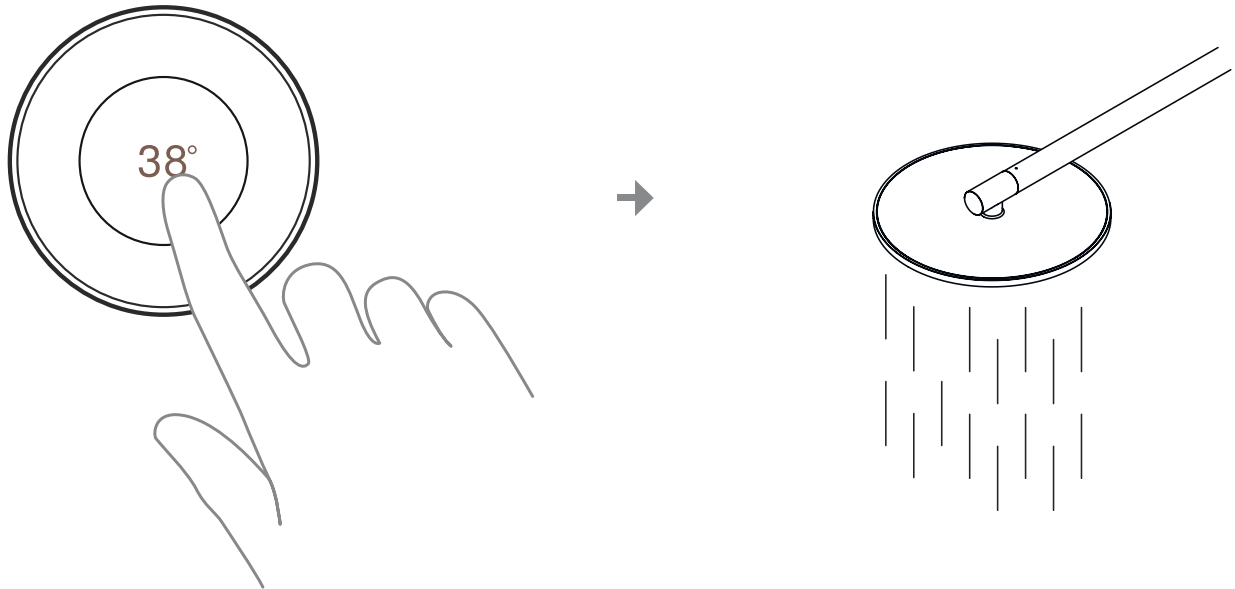


-
12. Fit the protective caps on the old Core and place it in the packaging.

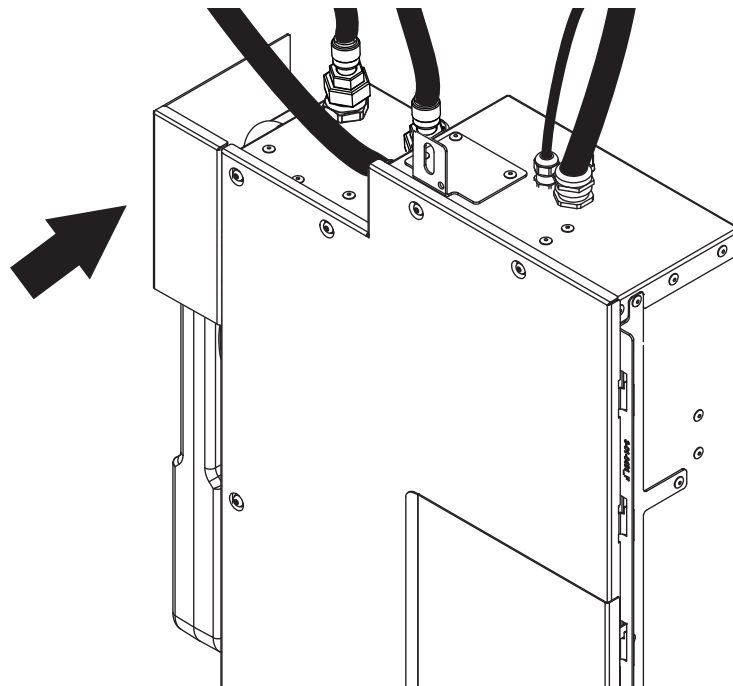


13. Turn on the incoming water. Check and fix any water leaks. Then turn on the power. It takes about 1 minute for Core to start up.

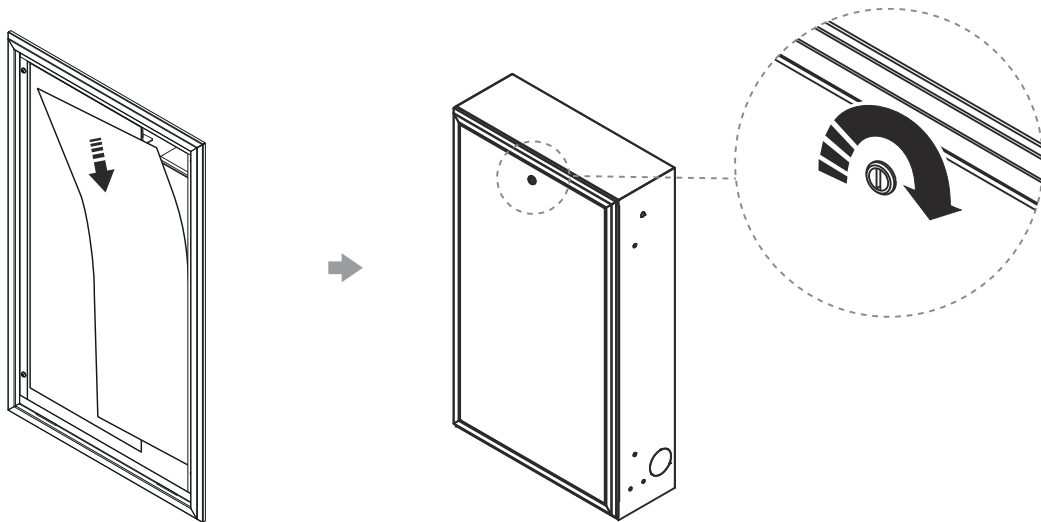
14. Start the shower and let it run for a short time. Then switch off and fix any water leaks.



15. Replace the air gap tank cover.





16. Put the splash guards back in the Wall Box and close the door.



17. Activate the shower. See [Shower activation \[302\]](#).

18. The replaced Core should be sent back to Orbital.

- As per the instructions, make sure the plugs and protective caps are transferred from the new to the old Core.
- Use the box from the new Core to pack the old Core.
- Record the work order number on the label if it is not already there, and contact Orbital to book the pickup.

Orbital Shower	
1-04-0113	
Swap R3 Core Kit	
Orbital Shower Core R3 ASM	
Filter capsule 5um	
Work order number:	
Production date: 23/12/01	
	
	ORBITAL 3-12-0044_A

19. Recycle any other components. 

6b. Swap Core & Sensor unit - Basic

This instruction shows how to swap the Core and Sensor Tank in a Basic installation, where the Core is installed outside of the shower area without a Wall Box. Follow the instructions in detail, and don't hesitate to reach out if you have any questions - support@orbital-systems.com.

Use the kits below to swap the Core and Sensor unit.

1-04-0113 - Swap R3 Core kit:

Core

Filter Capsule

or

1-04-0182 - Swap R3 refurbished Core kit:

Core Refurbished

Filter Capsule

1-04-0130 - Swap Sensor Tank + Misc. kit - Remote:

Sensor Tank

Filter Capsule

Sensor cable

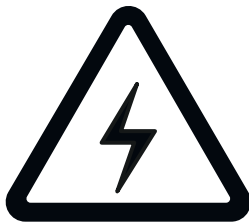
Flush hose

Recirculation hose

Tank accessory parts

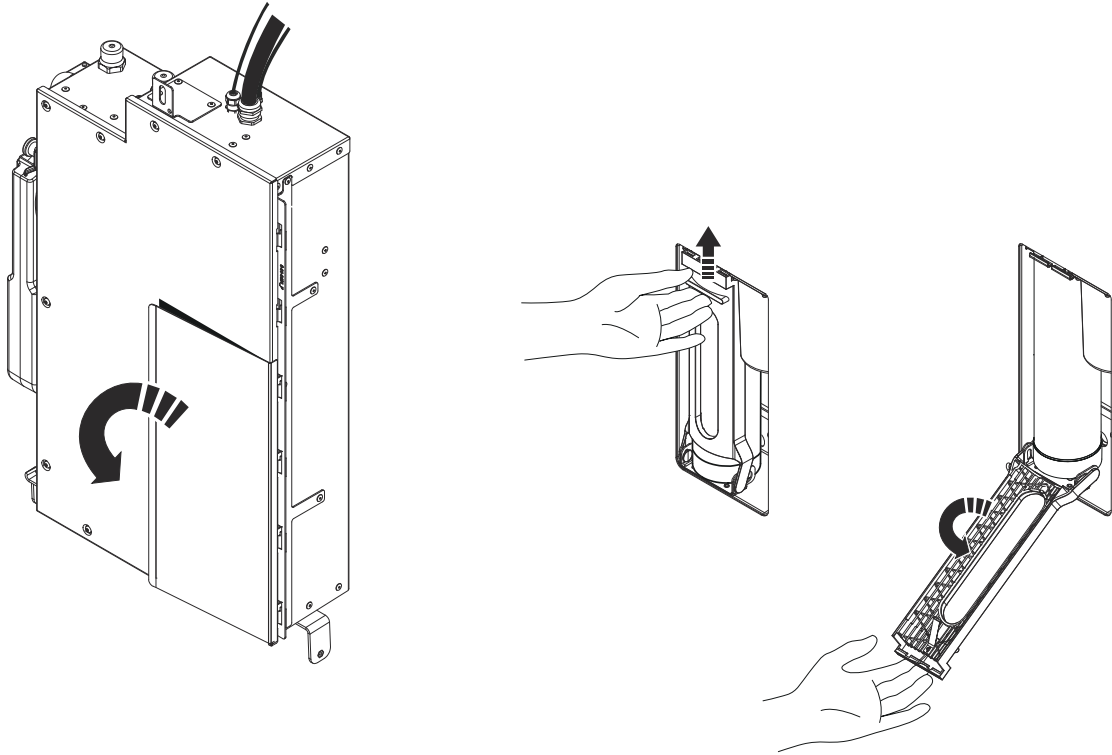
Dismantle Core

1. Turn off the power.

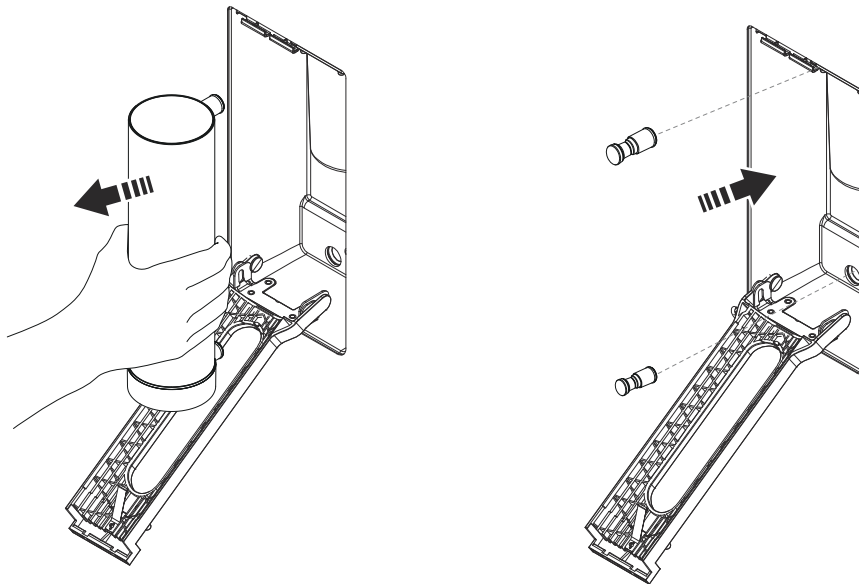


2. Turn off the incoming hot and cold water.

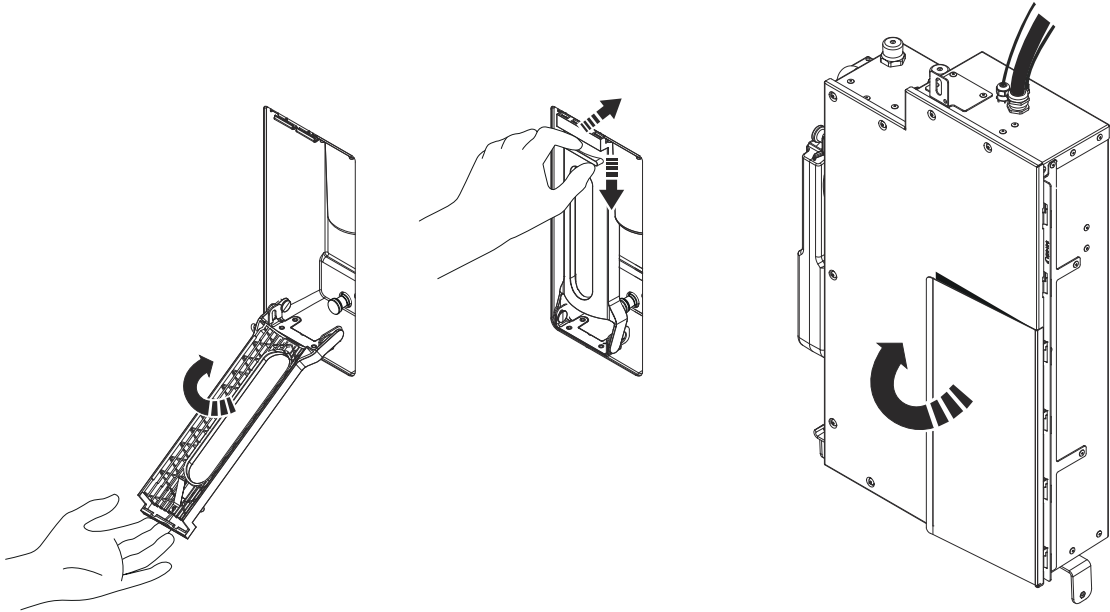
3. Open the door on the Core and release the Filter hatch.



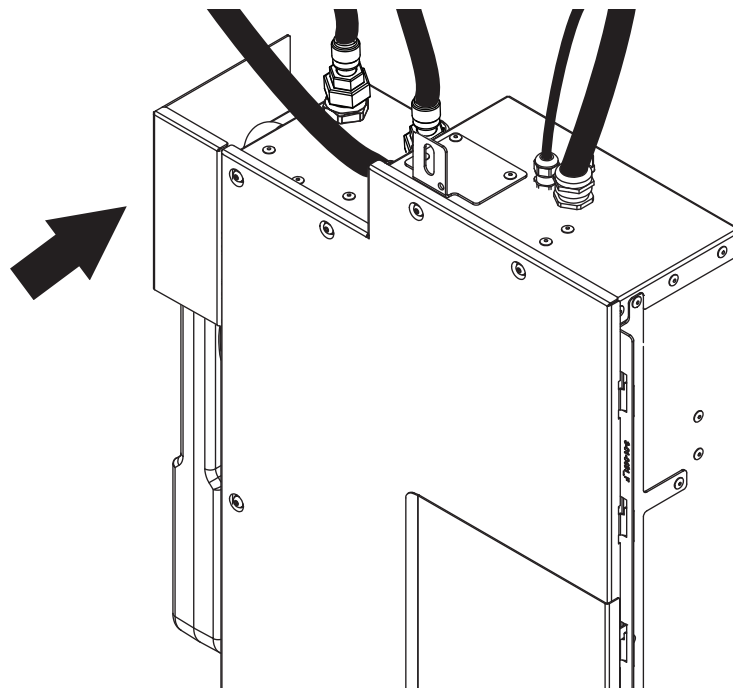
4. Remove the Filter Capsule. Use the plugs from the Filter hatch in the new Core and transfer to the old one. The larger plug should be placed in the upper bracket, and the smaller plug in the lower one.



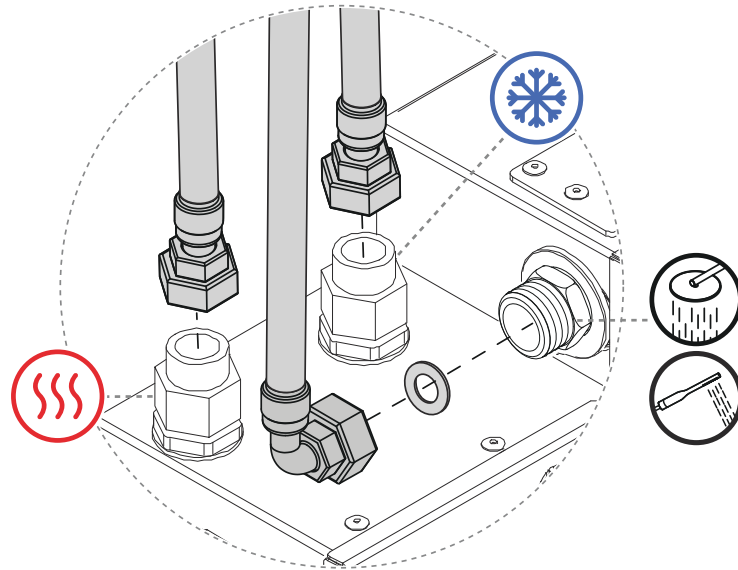
-
5. Close the hatch and the door.



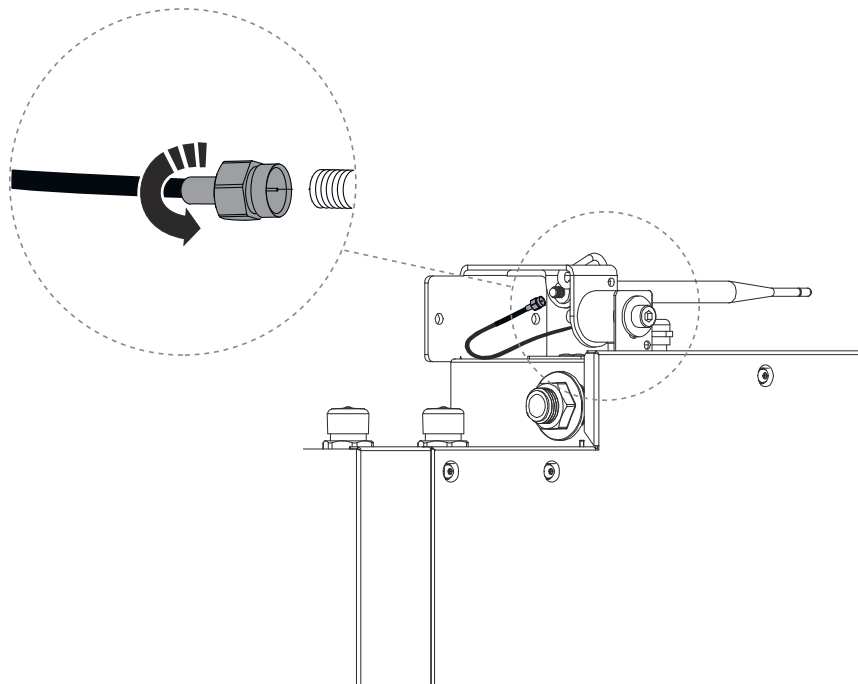
-
6. Remove the air gap tank cover and set it aside.



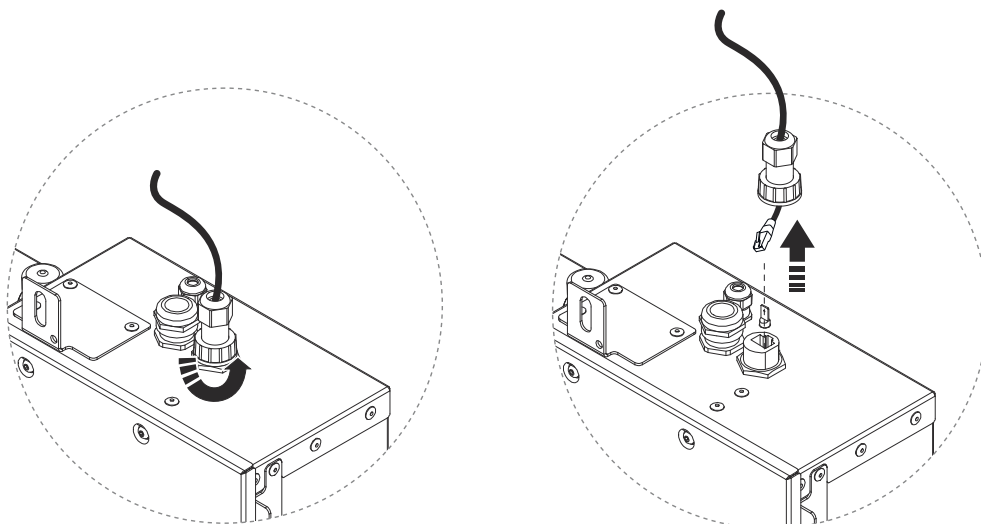
-
7. Disconnect the shower water connection (outgoing). Then, disconnect the water connections for incoming hot and cold water. Wipe off any remaining water that drains from the pipes.



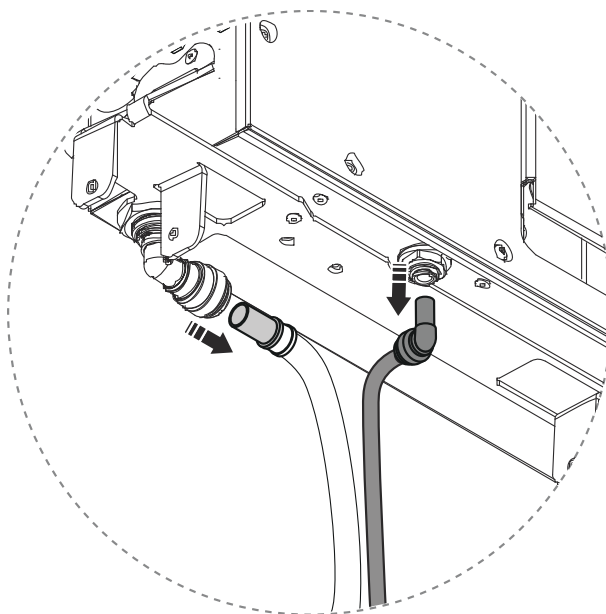
-
8. Disconnect the WiFi antenna cable.



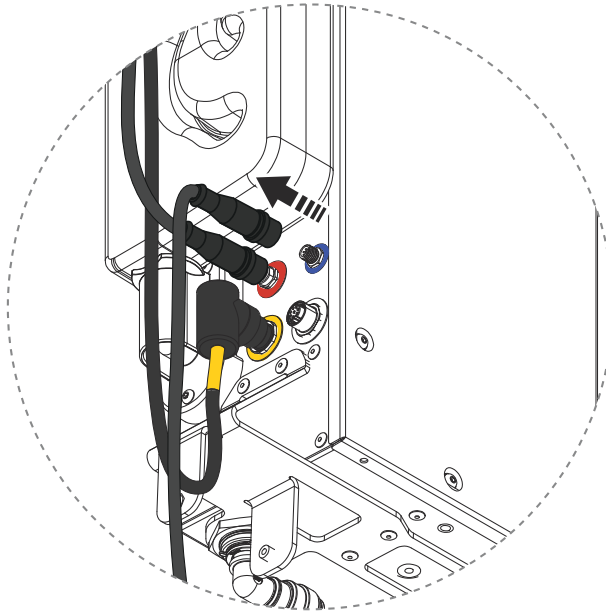
For Ethernet installation: Unscrew the protective cover and disconnect the Ethernet cable.



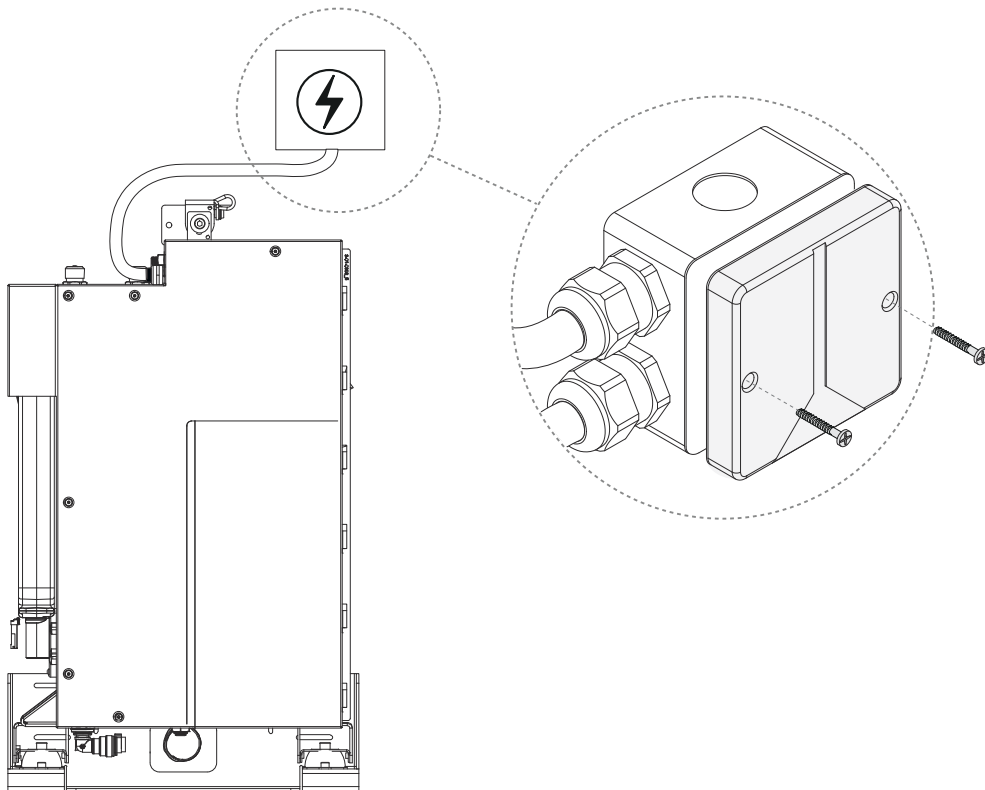
9. Disconnect the flush hose and recirculation hose from the bottom of the Core.



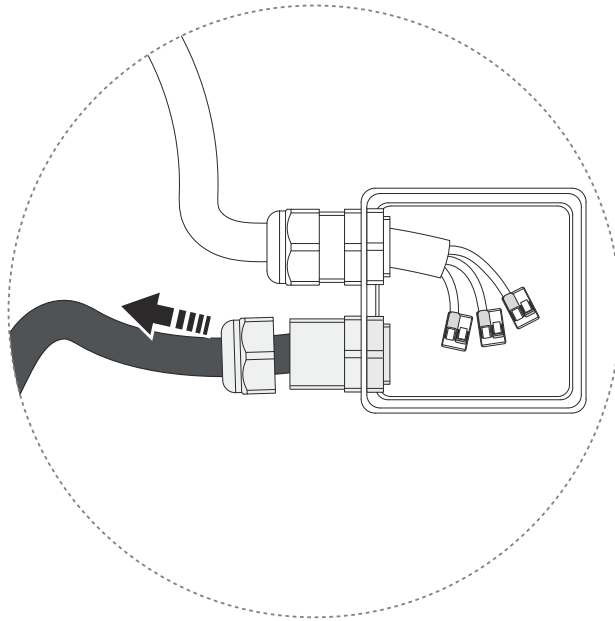
-
- 10.** Disconnect the Sensor Tank and Control Dial (red and blue connector). For installations with Orbital Audio, also disconnect the amplifier (yellow connector).



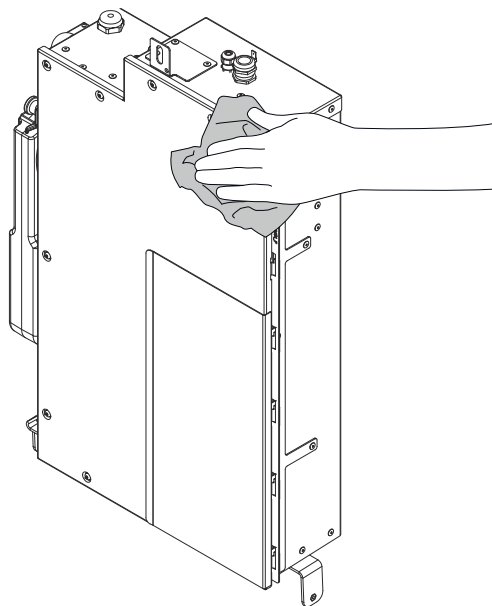
-
- 11.** Make sure the power is off. Then unscrew the lid of the electrical box and set it aside.



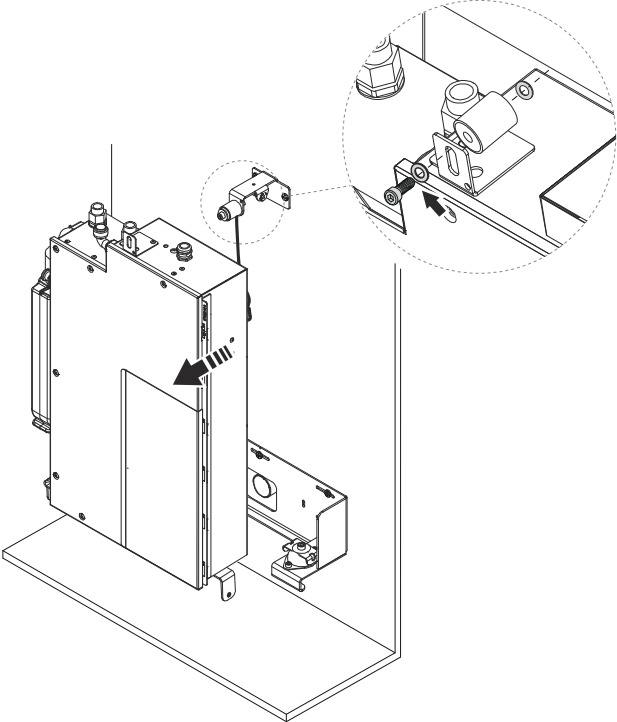
-
- 12.** Loosen the strain relief. Disconnect the cables and pull out the power cable to the Core from the electrical box.



-
- 13.** Wipe off the Core thoroughly. This is important to ensure a proper grip when lifting it out.

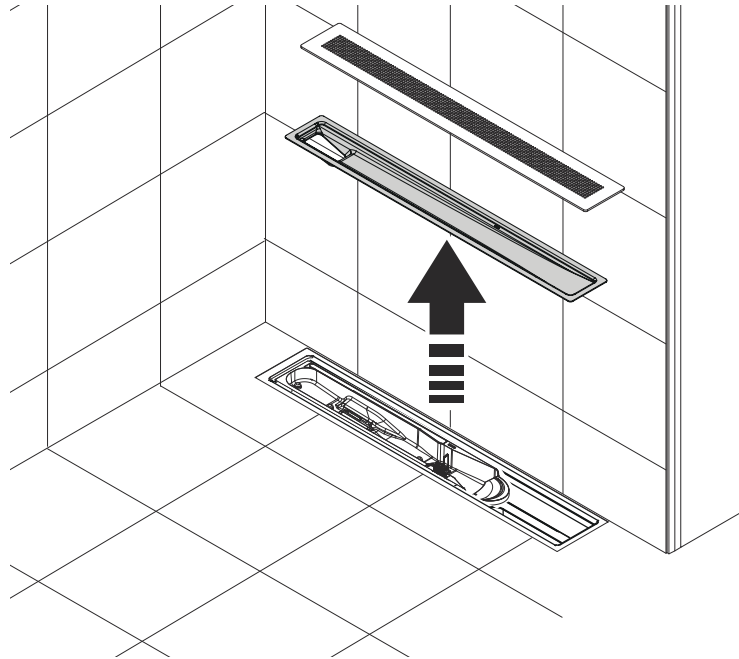


14. Disconnect the safety wire and lift out the Core. Put it in a safe and stable place.

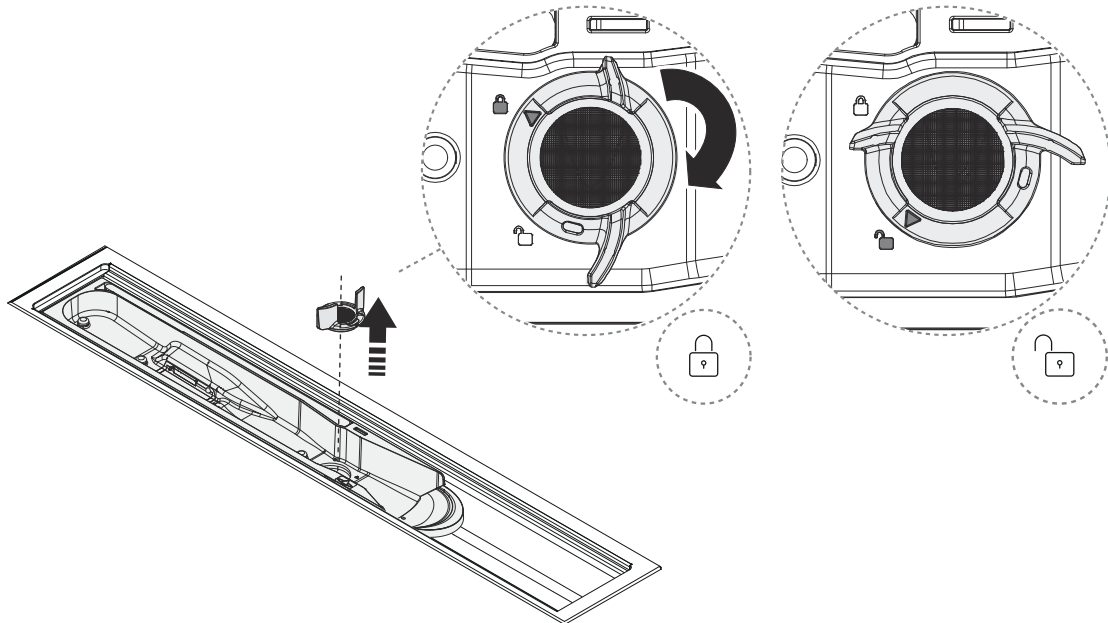


Dismantle Sensor Tank

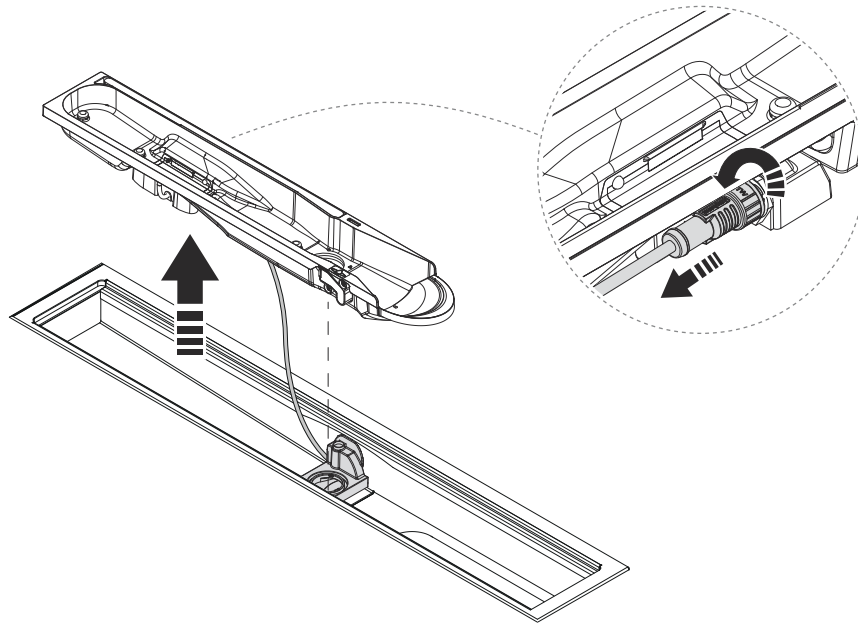
1. Lift the grate and Funnel.



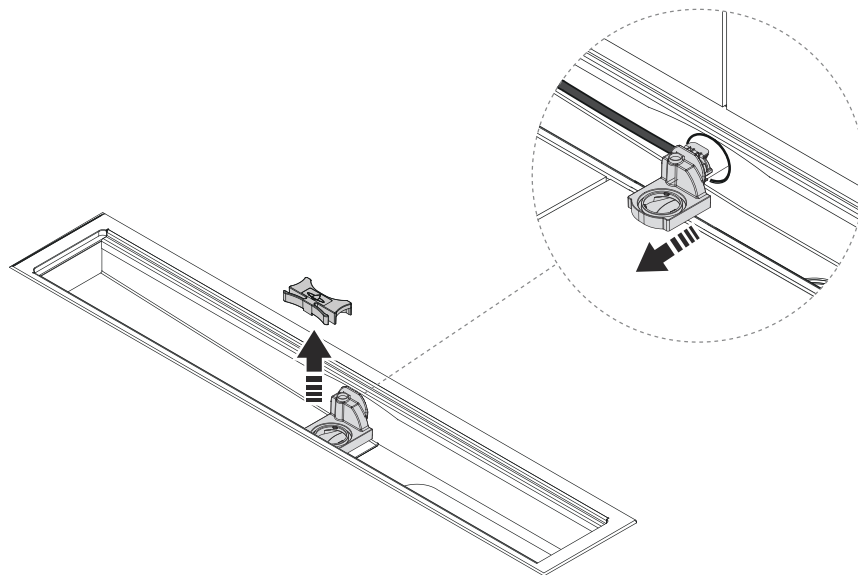
2. Unlock the Sensor Tank by turning the Sensor Tank Lock 90° counterclockwise.



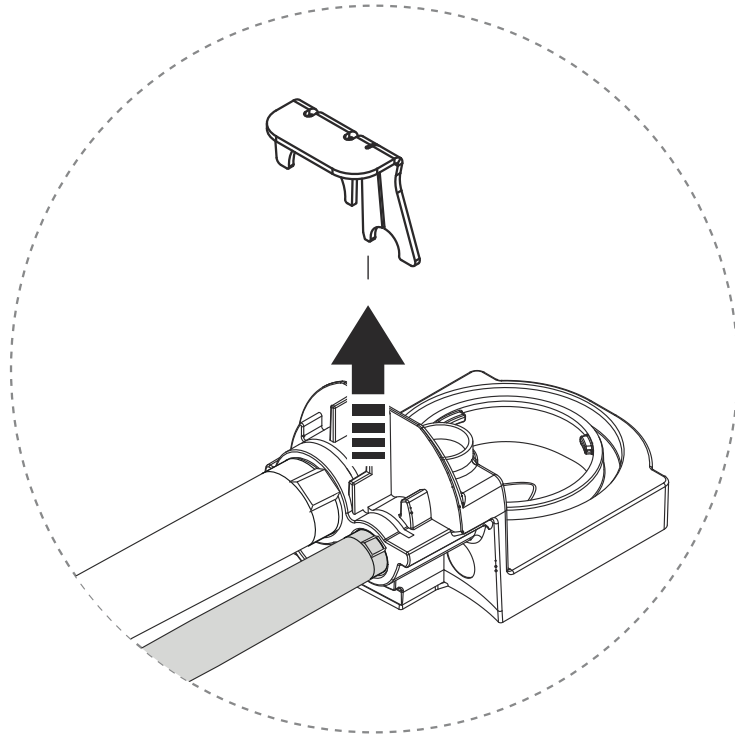
-
3. Lift the Sensor Tank and disconnect the sensor cable by unlocking the connector. Turn the connector flange 90° counterclockwise to unlock.



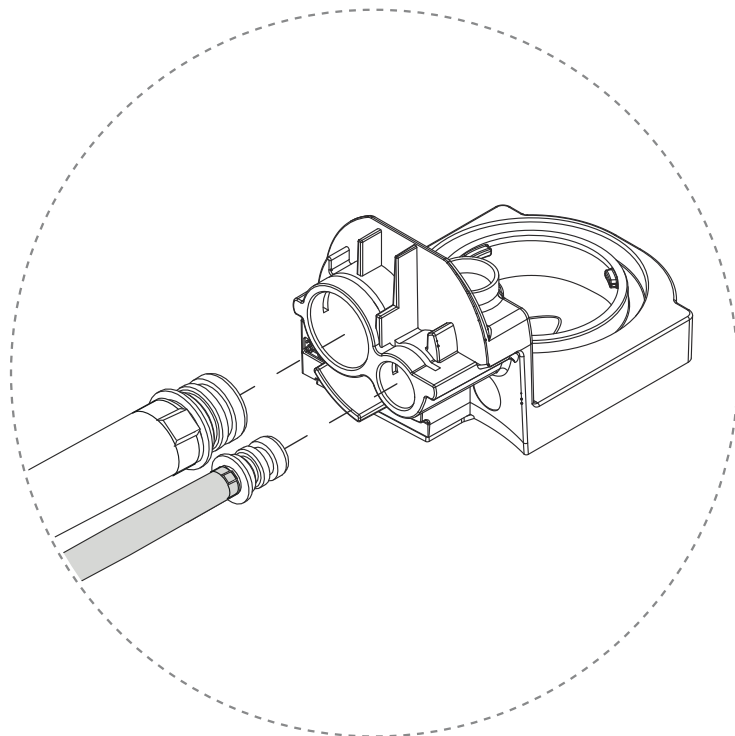
-
4. Remove the spring lock and pull out the Sensor Tank dock.



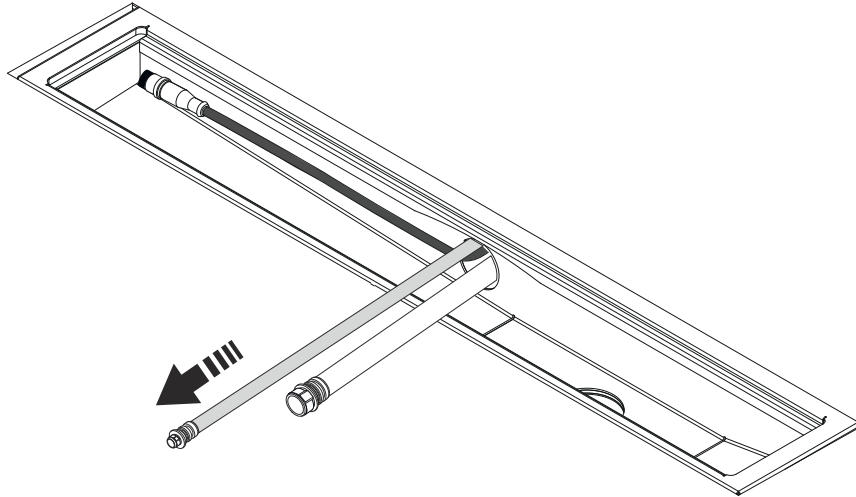
5. Remove the clip to release the hoses.



6. Release the Sensor Tank dock.



-
7. Pull out the flush hose.



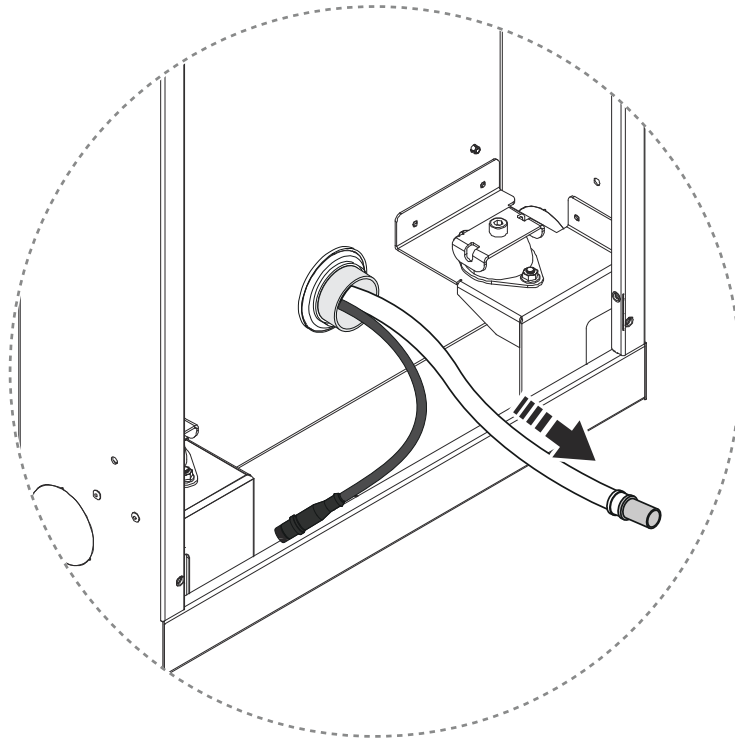
-
8. Pull out the recirculation hose.



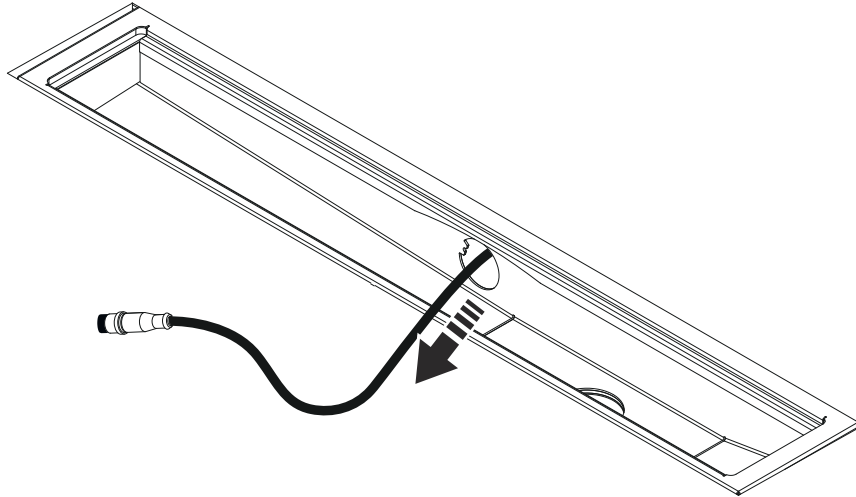
CAUTION

It is important that the circulation hose is pulled out from the top, to minimize the risk of the hose coupling getting stuck in the pipe.

Note that the location of the Core looks different depending on the model the customer has. The connection pipe can be located in the right or left side of the Wall Box, or in the back. In an installation with Basic there is no Wall Box.

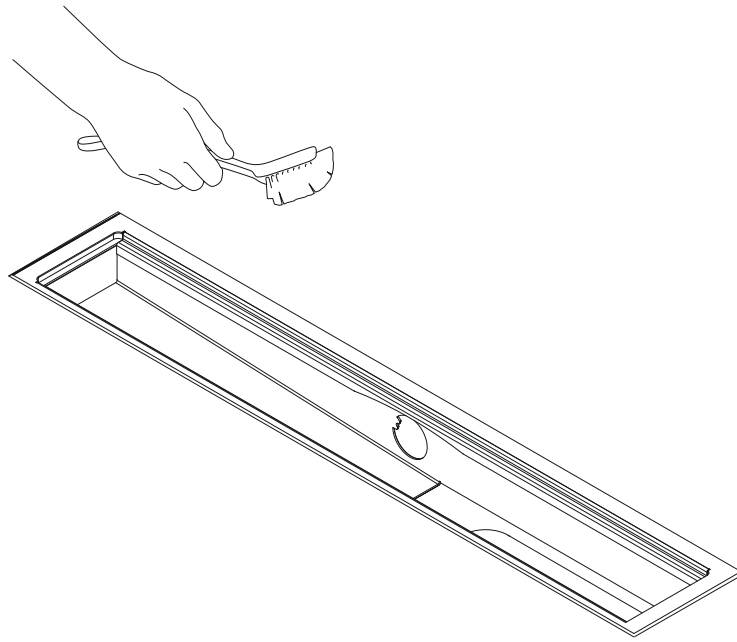


9. Pull out the sensor cable.

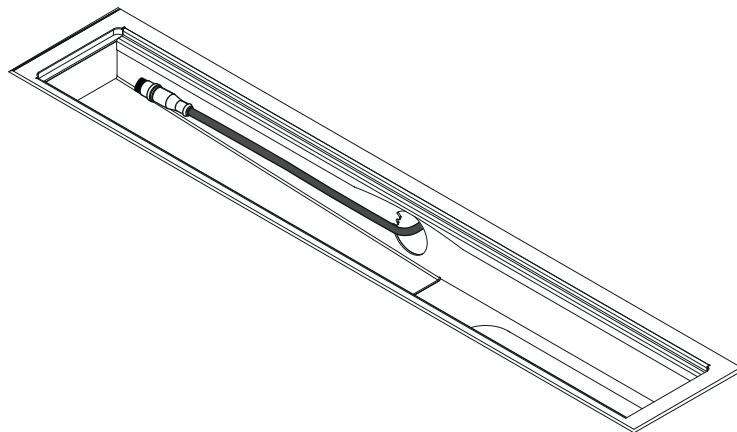


Install Sensor Tank

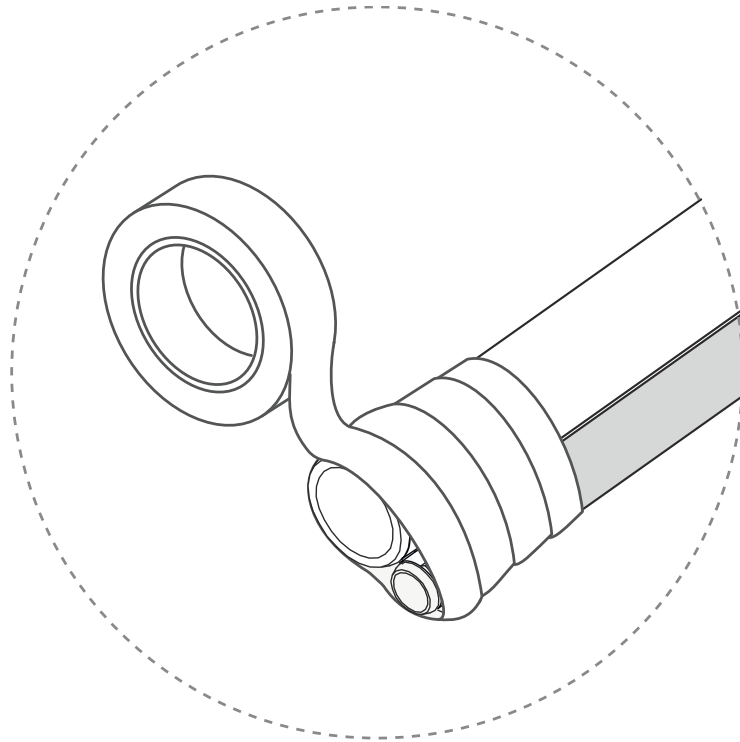
1. Clean the drain unit.



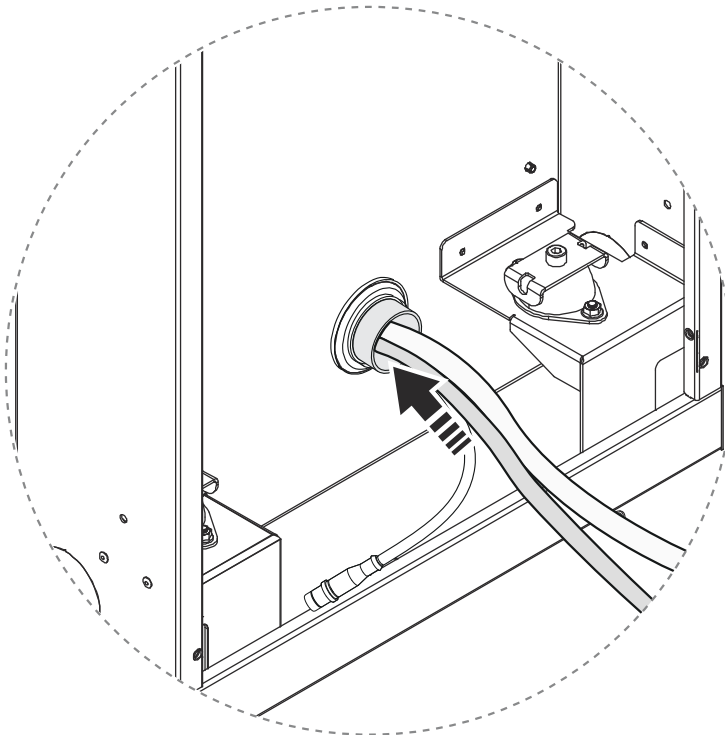
2. Route the sensor cable from the Wall Box through the connection pipe with the large connector down to the Sensor Tank. Pull out the cable about 180 mm in the floor fitting.



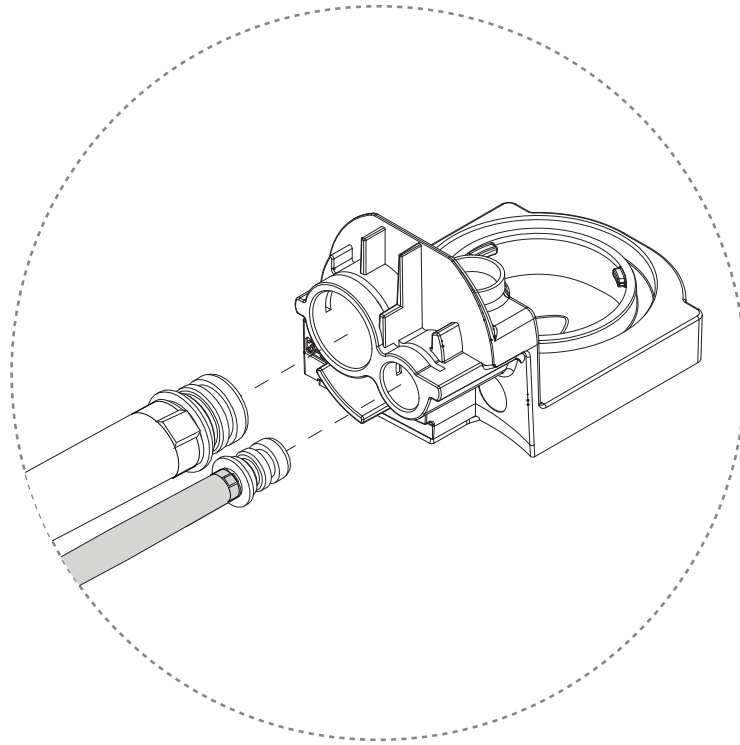
-
3. Tape the flush hose and the recirculation hose together at the end of the couplings, flush hose on the left. Make sure that the couplings, especially the o-rings, are carefully covered with tape.



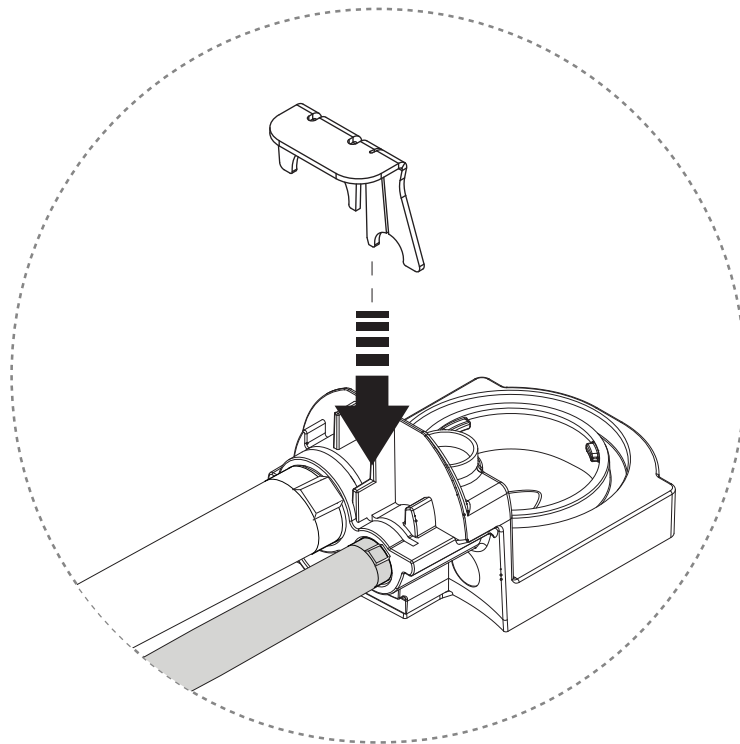
-
4. Pull the hoses through the connection pipe, with the couplings down towards the Sensor Tank. A tension spring is recommended for smooth installation.



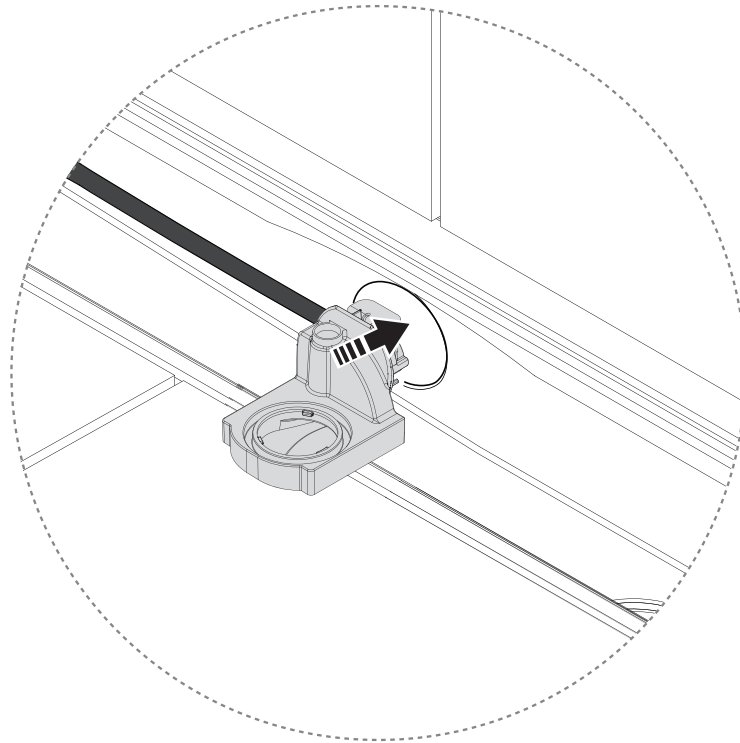
-
5. Apply fitting grease and connect the hoses to the Sensor Tank dock.



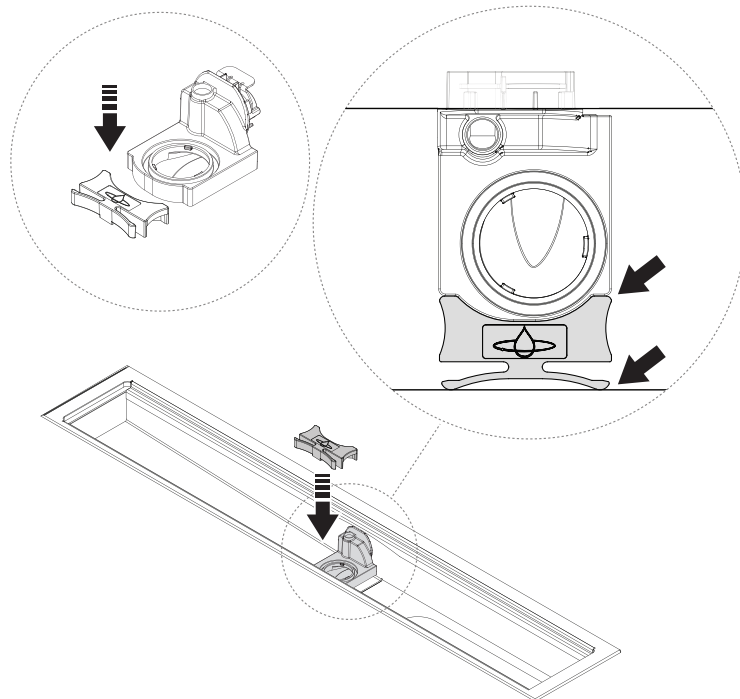
-
6. Lock the hoses using the clip. Press the clip down until it clicks.



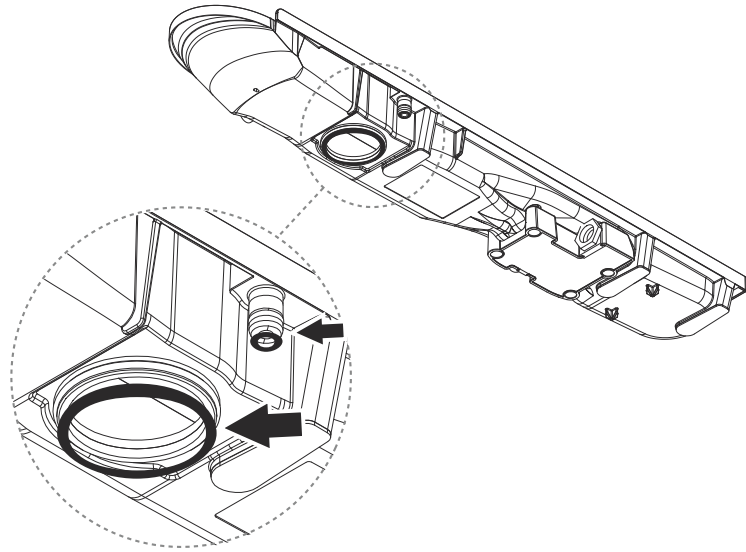
-
7. Insert the dock into the connecting pipe and push it all the way in.



-
8. Lock the Sensor Tank dock in place with the spring lock. Ensure that the sensor cable is not pinched.



9. Apply grease to the Sensor Tank o-rings.

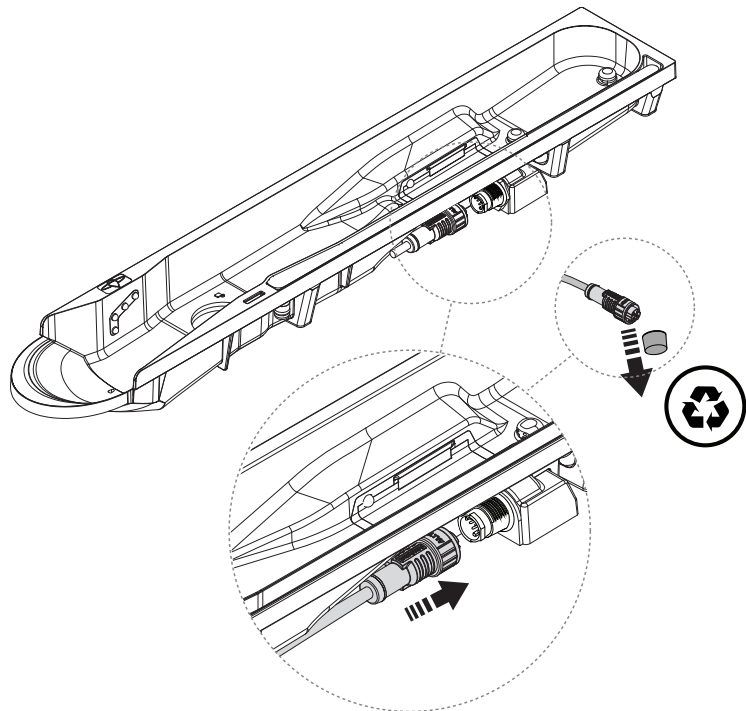


10. Remove the protective cap from the sensor cable, and connect the cable to the Sensor Tank.



CAUTION

Make sure to have correct alignment between the groove and the pin when connecting.

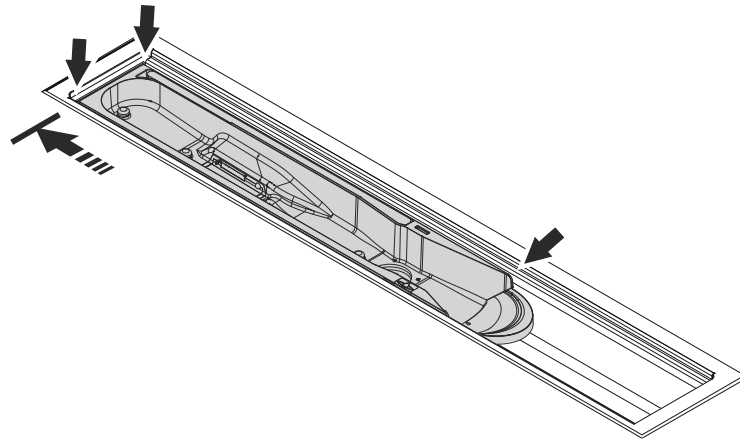


11. Insert the Sensor Tank to the drain unit.

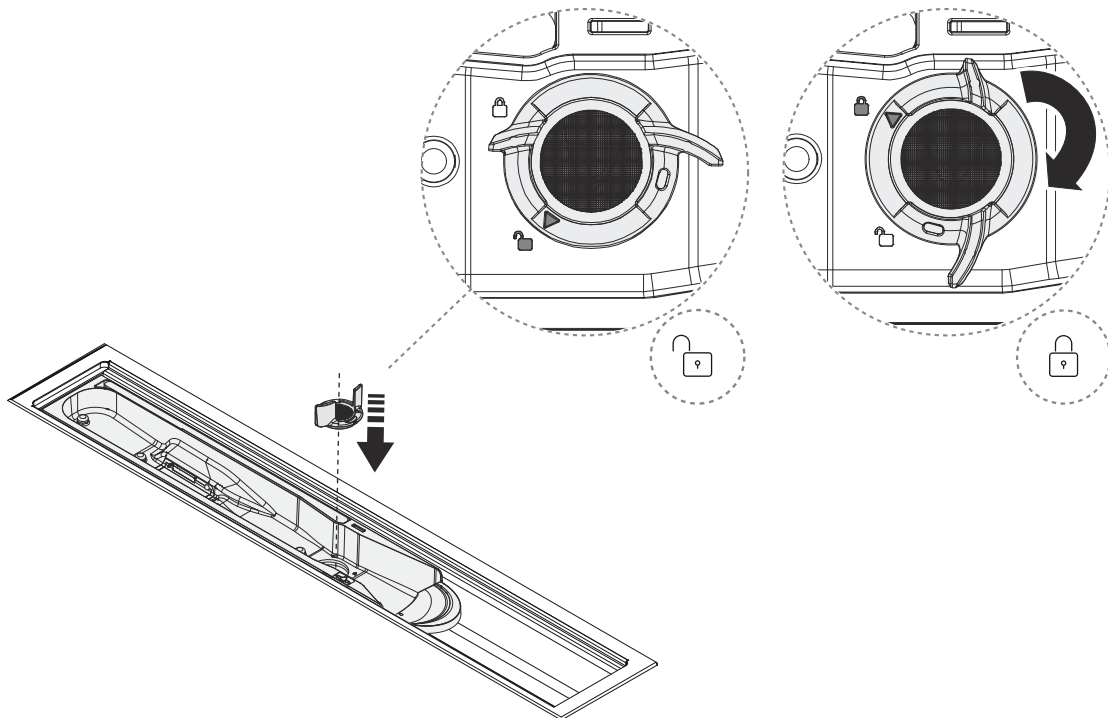


CAUTION

Make sure the Sensor Tank is inserted correctly. Its edge should be fully pushed towards and at level with the edge of the drain unit.



12. Lock the Sensor Tank in place by turning the Sensor Tank Lock 90° clockwise.

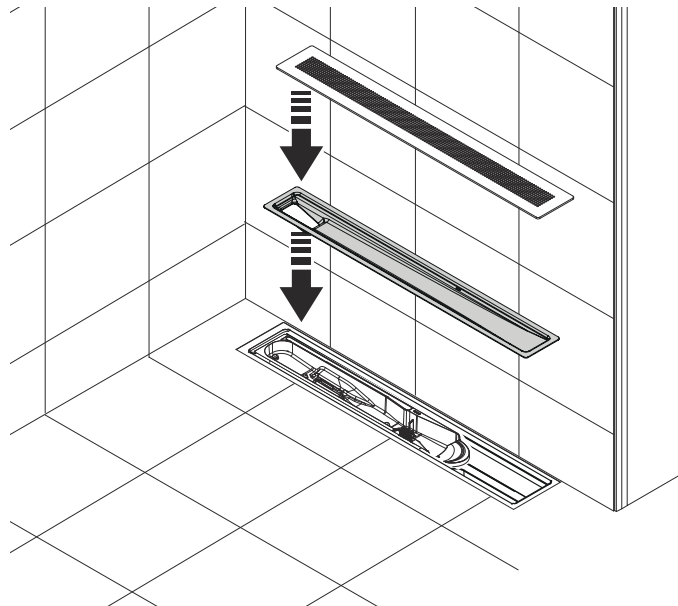


13. Place the Funnel and grate back in place.



NOTE

Place the Funnel with the hole oriented to the left! Placing the hole oriented to the right will disable recirculation.

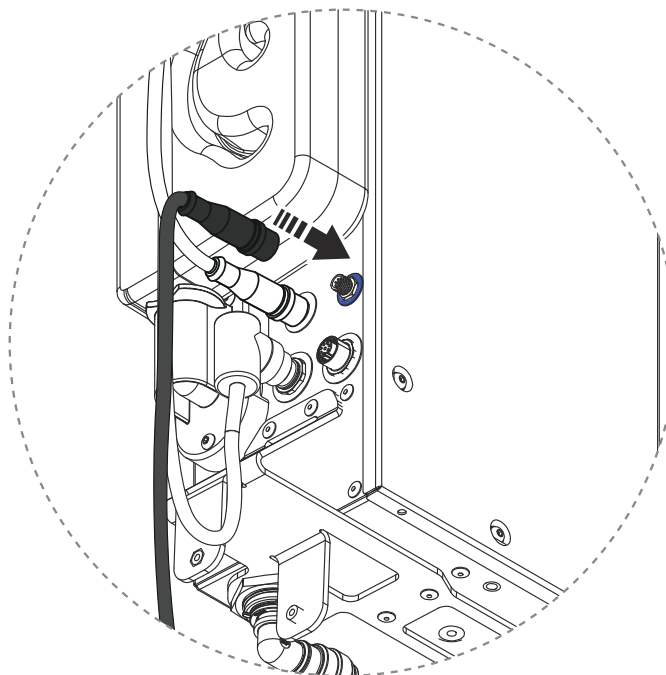


14. Connect the sensor cable to the communication port on the Core (blue port). The connector should be tightened by hand.

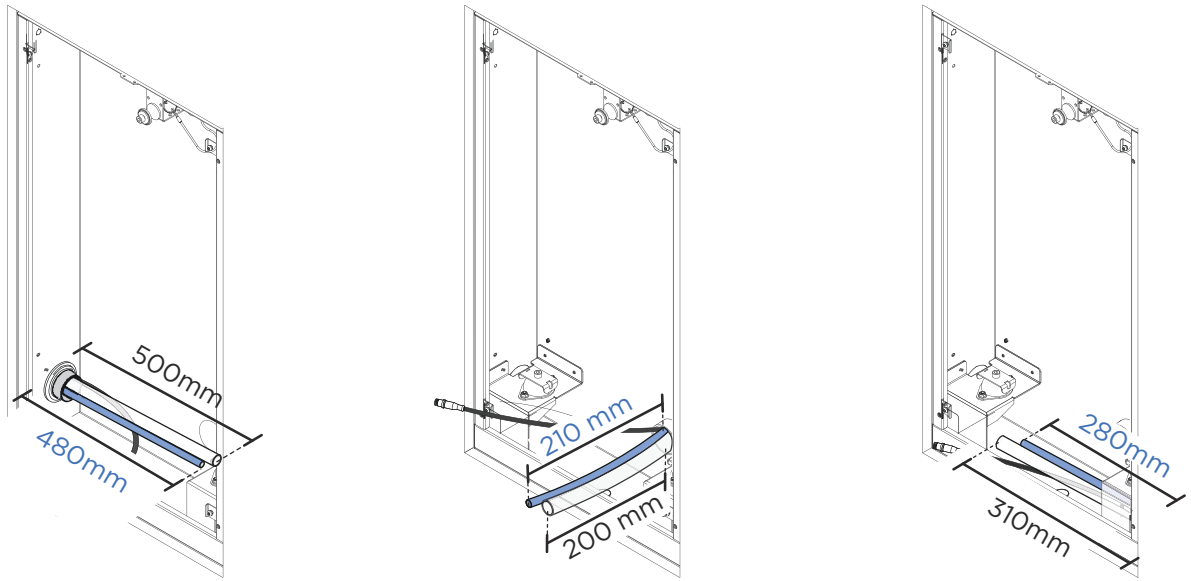


CAUTION

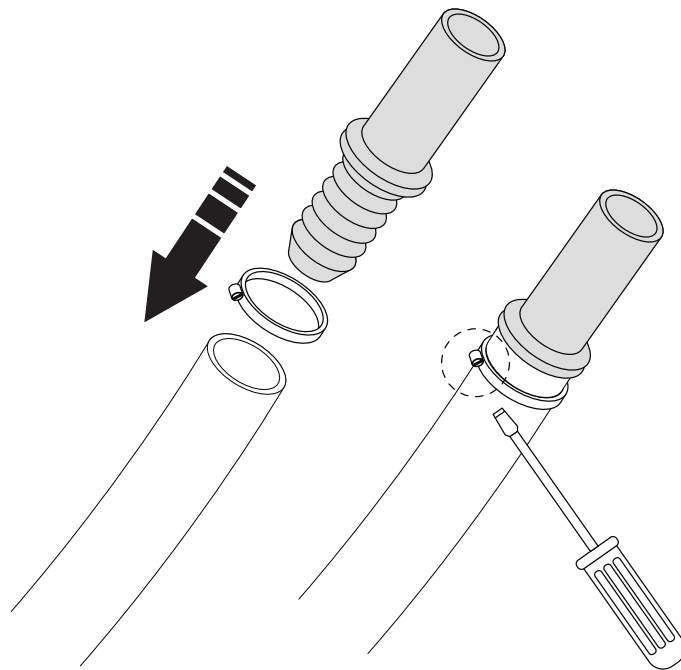
Ensure correct alignment between the connector and communication port. This must be done with particular attention to prevent damage to the pins.



-
- 15.** Cut the circulation hose and the flushing hose according to the measurements below from the rubber grommet of the Wall Box, or from the connection pipe in the case of an installation with Basic, depending on the installation.



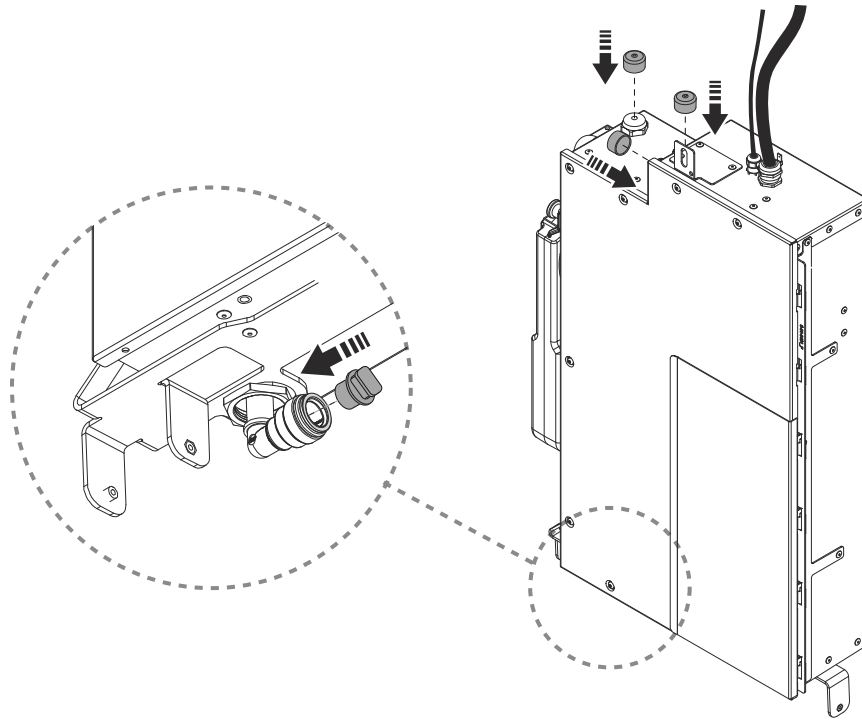
-
- 16.** Apply fitting grease to the separate hose coupling, push all the way into the circulation hose and tighten with the hose clamp.



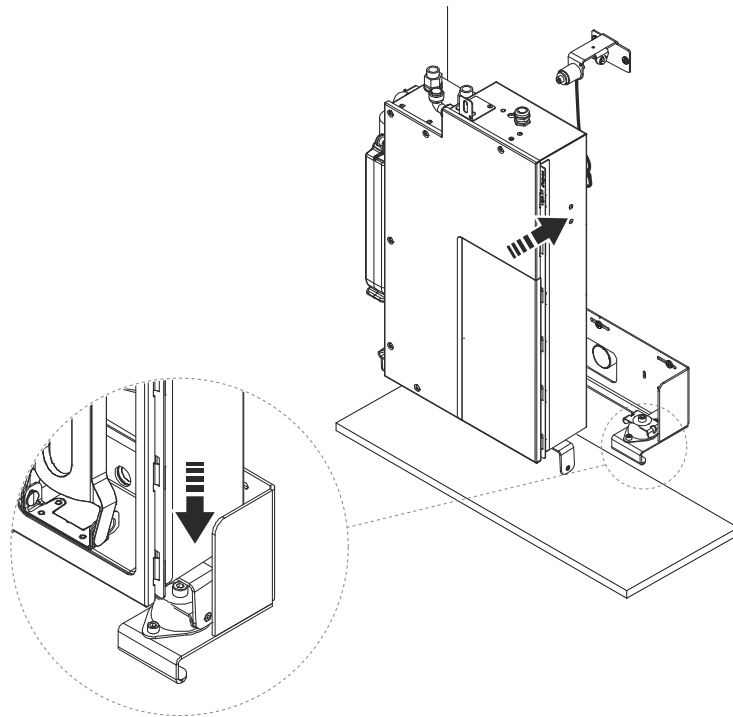
Install Core

Take the new Core out of the packaging and put it in a safe and stable place. Make sure the packaging is saved in good condition - it should be reused when returning the replaced Core.

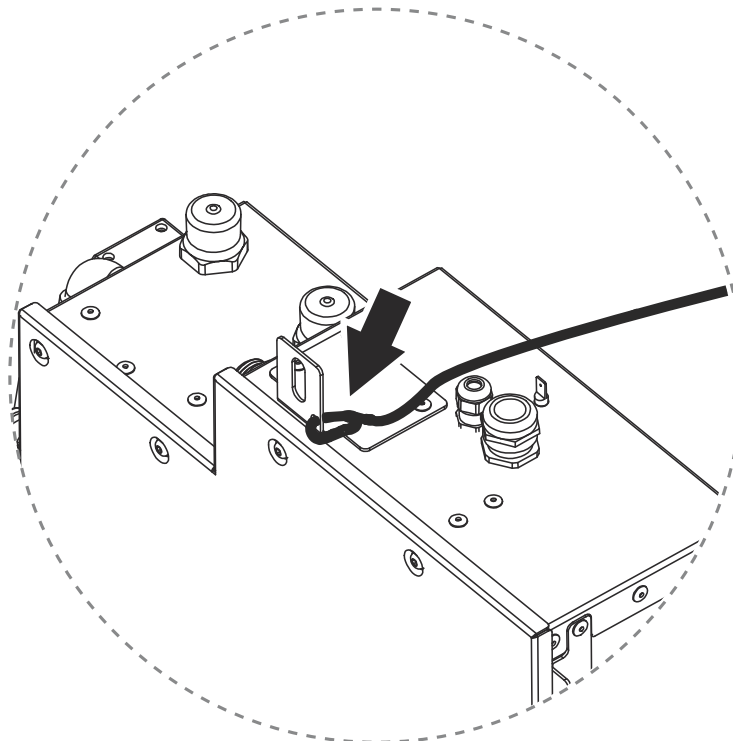
1. Transfer the transport plugs from the new Core to the old one.



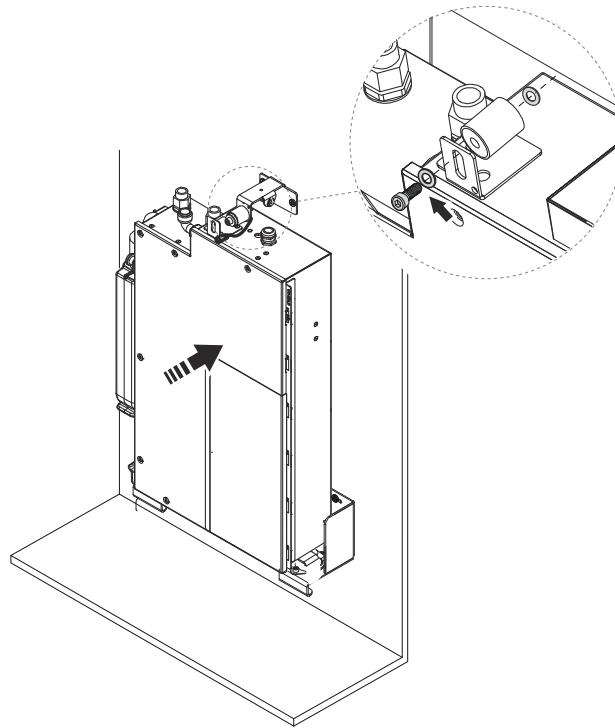
-
2. Place the Core on the Core Wall Mounting. It should click all the way into the vibration damper.



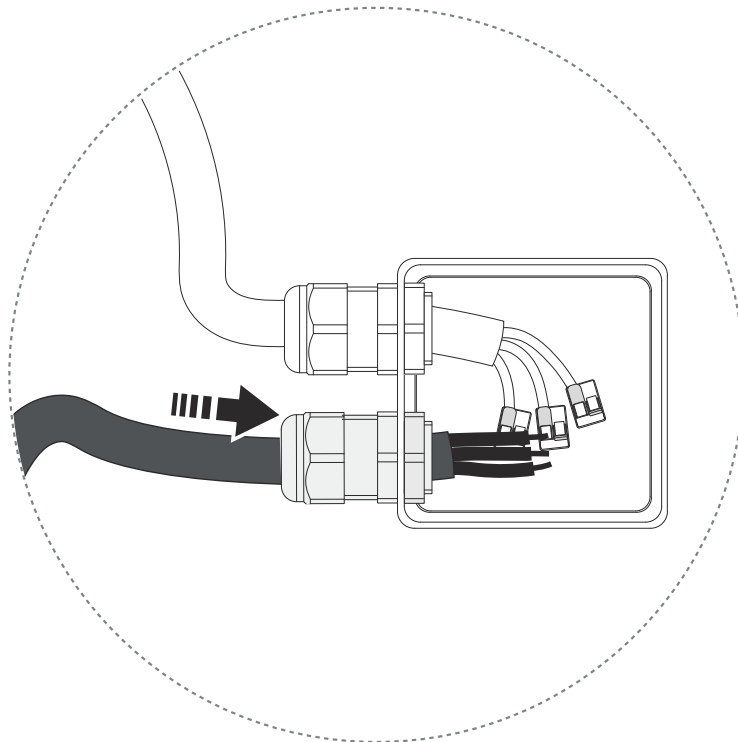
-
3. Attach the safety wire to the Core and keep it in the tilted position.



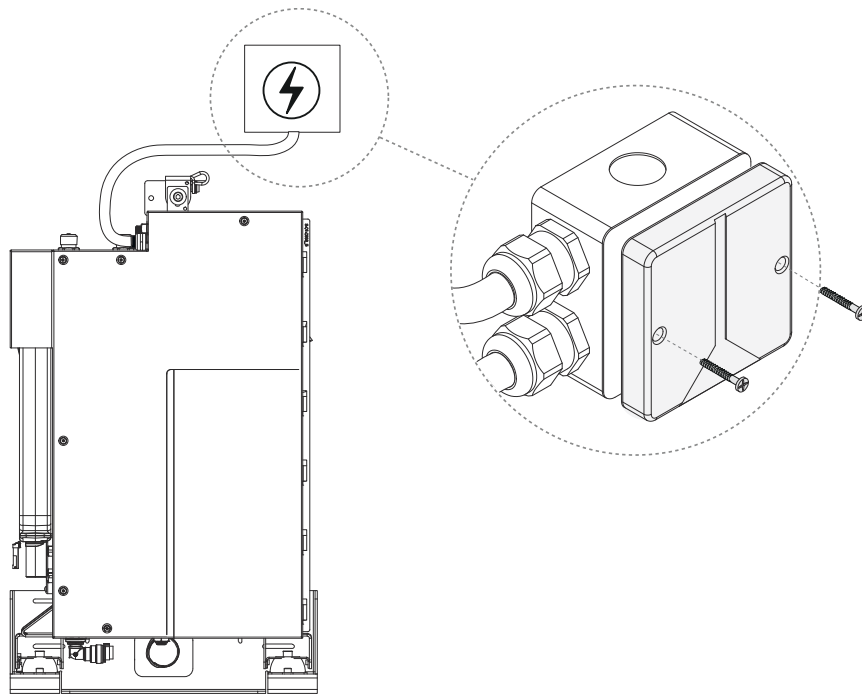
-
4. Screw the Core onto the upper vibration damper. Ensure that the power cord is not pinched behind the Core.



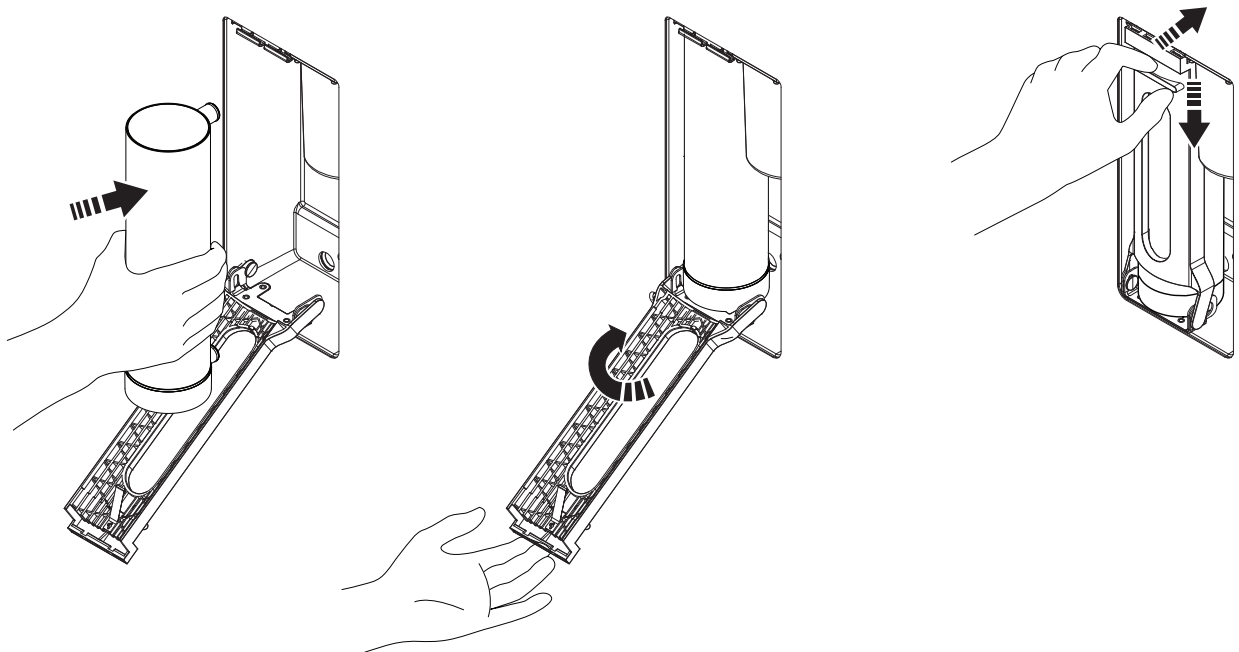
-
5. Feed the stripped part of the electrical cable into the electrical box and tighten the strain relief.



-
6. Connect the cables and screw the lid back to the electrical box. Ensure that the electric cable is placed behind the hot water pipe without sharp bends.



-
7. Open the Filter hatch and insert a Filter Capsule.

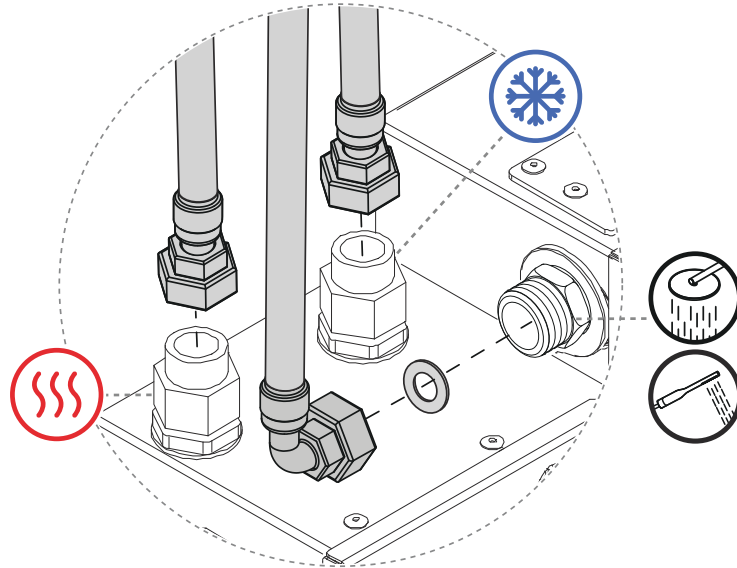


-
8. Connect the hot and cold water connections. Then connect the shower water connection to the Core.

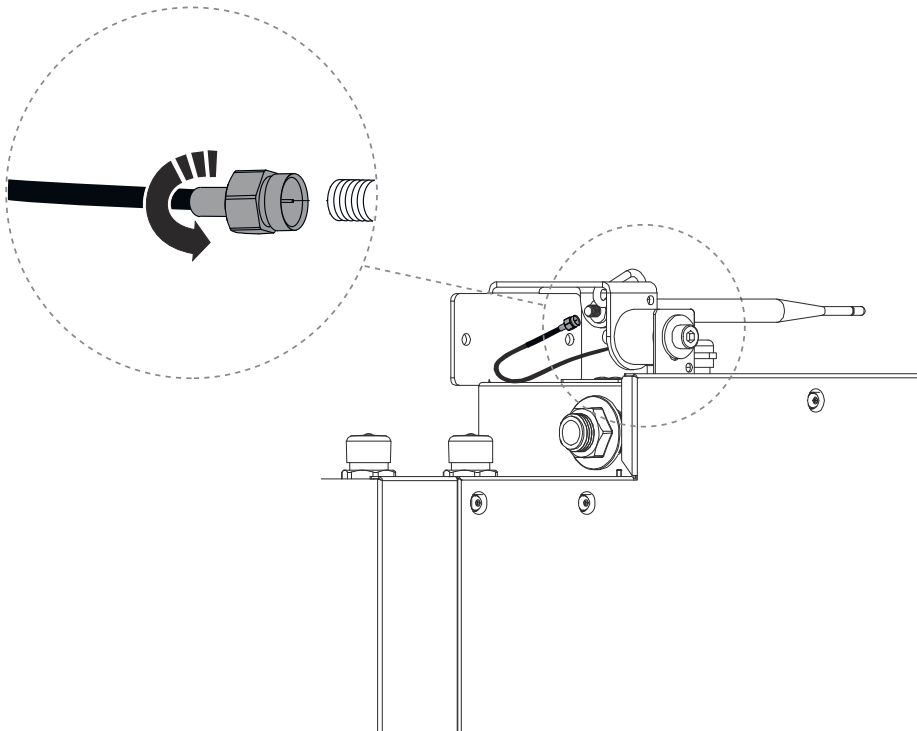


CAUTION

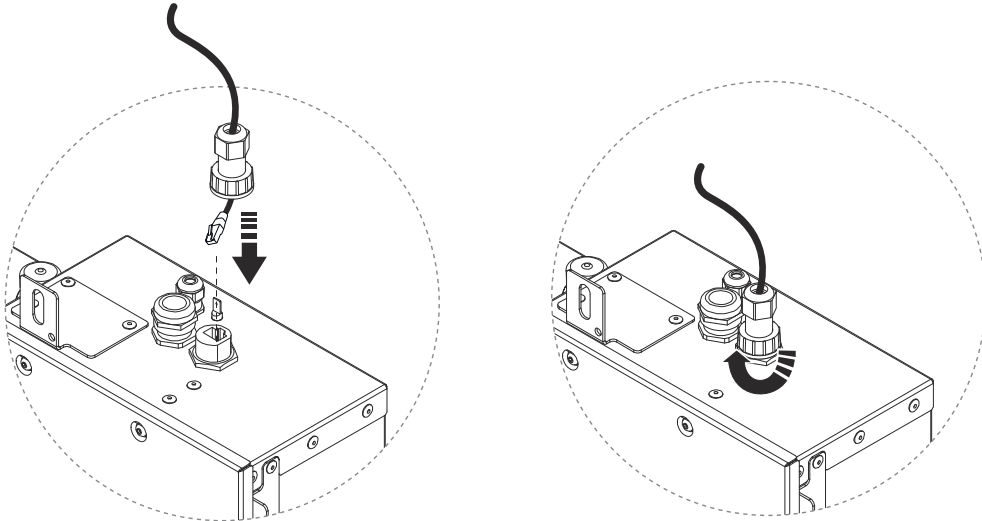
Make sure the gaskets are in good condition and have no damage.



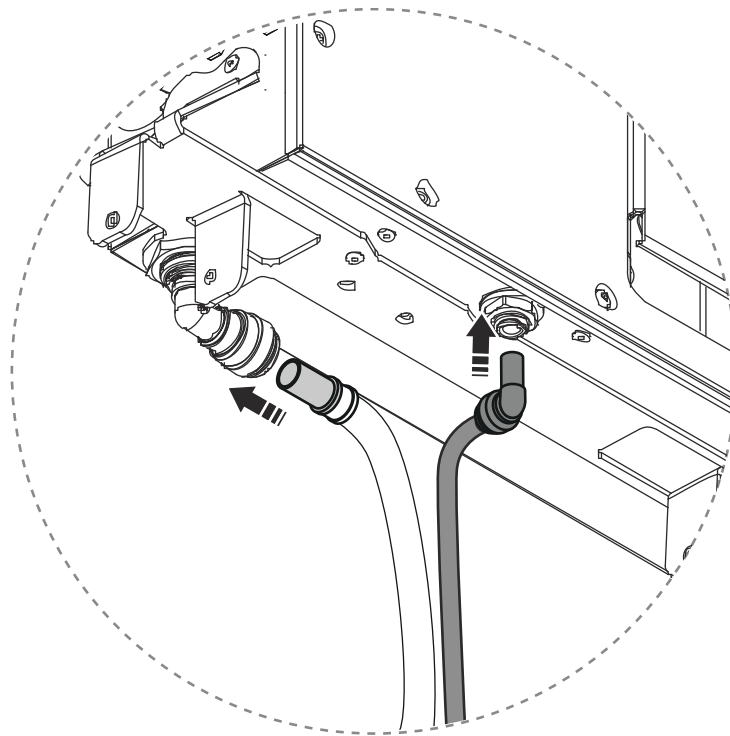
-
9. Connect the Wi-Fi antenna cable.



For Ethernet installation: Unscrew the protective cover and connect the Ethernet cable.



10. Apply fixture grease and connect the recirculation hose and flush hose to the Core. It is important to relubricate the plug-in coupling and hose to prevent damage to the o-ring in the connection on the Core.



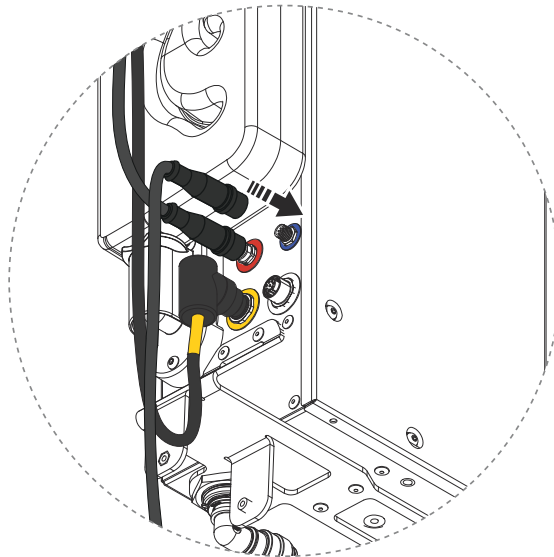
-
11. Unscrew the protective caps on the red and blue communication ports on the Core. Then plug in the Control Dial (red port) and Sensor Tank (blue port).

For installations with Audio: Unscrew the protective cap on the yellow communication port and plug in the amplifier. The contacts should be tightened by hand, and the cable to the Control Dial and amplifier should be routed behind the air gap tank.

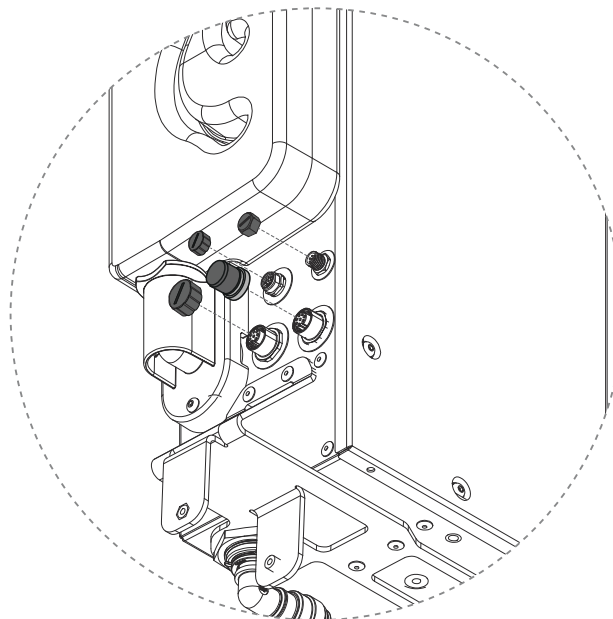


CAUTION

Ensure a proper alignment between the connector and the communication port. This must be done with special attention to prevent damage to the pins.

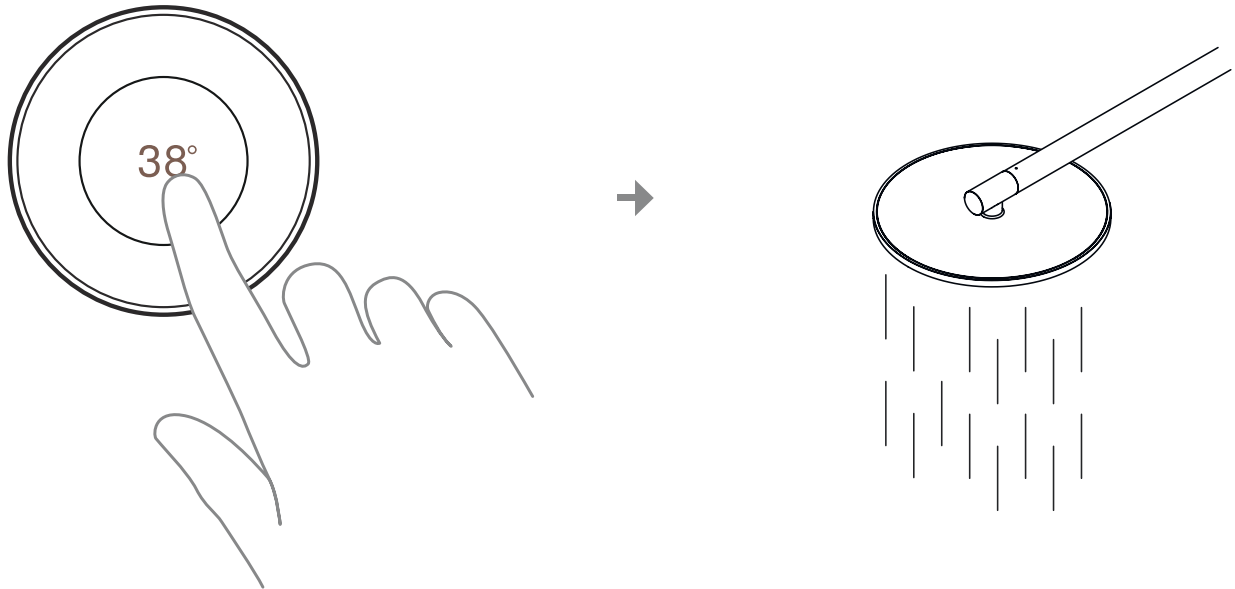


-
12. Fit the protective caps on the old Core and place it in the packaging.

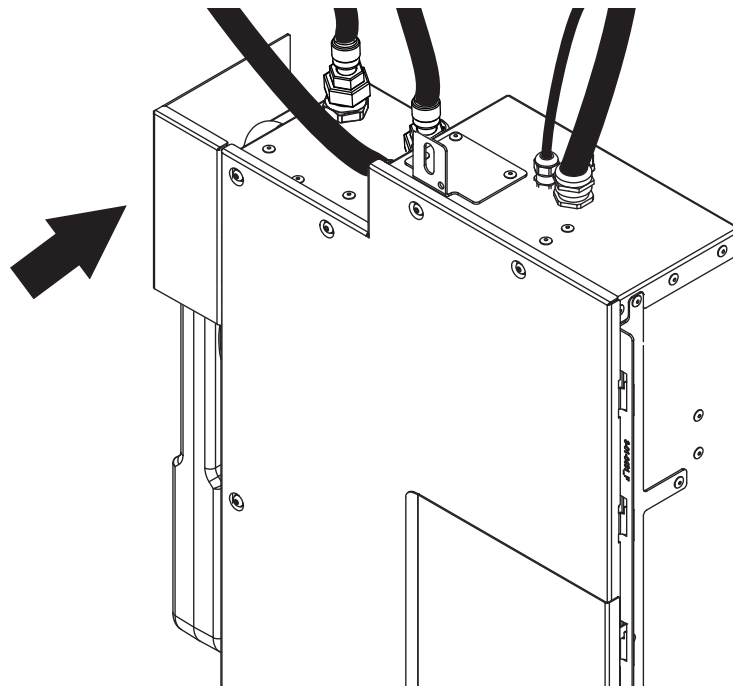


13. Turn on the incoming water. Check and fix any water leaks. Then turn on the power. It takes about 1 minute for Core to start up.

14. Start the shower and let it run for a short time. Then switch off and fix any water leaks.




15. Replace the air gap tank cover.



16. Activate the shower. See [Shower activation \[302\]](#).

-
17. The replaced Core should be sent back to Orbital.
- As per the instructions, make sure the plugs and protective caps are transferred from the new to the old Core.
 - Use the box from the new Core to pack the old Core.
 - Record the work order number on the label if it is not already there, and contact Orbital to book the pickup.

Orbital Shower 


1-04-0113

Swap R3 Core Kit

Orbital Shower Core R3 ASM
Filter capsule 5um

Work order number:

Production date: 23/12/01


ORBITAL
3-12-0044_A

-
18. Recycle any other components. 

Diverter

7. Swap Diverter - 40 CC

This instruction shows how to swap the diverter (40 CC version). Follow the instructions in detail, and don't hesitate to reach out if you have any questions - support@orbital-systems.com.

Use the kit below to swap the diverter. This kit is available in several [color variants](#) [3].

1-04-0173 - Swap 40 CC diverter kit:

Diverter body

Diverter wall plate

O-ring Ø15,54x2,62 Nitrile

3 mm hex key tool (Allen key)

Screw, set, M6 x 8

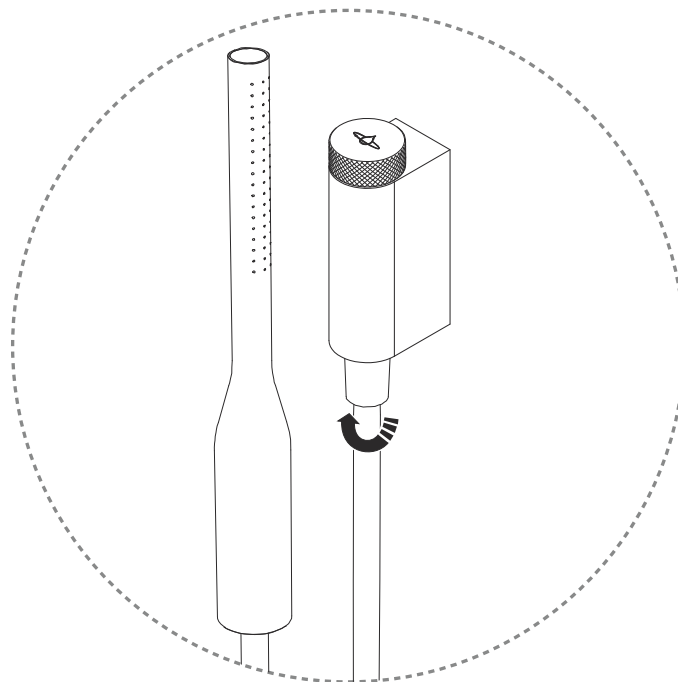
Screw ST4.2 x 50mm A2, TX 20

Screw ST4.2 x 45mm A2, TX 20

Screw ST4.2 x 38mm A2, TX 20

Dismantle diverter

1. Disconnect the hand shower from the diverter.

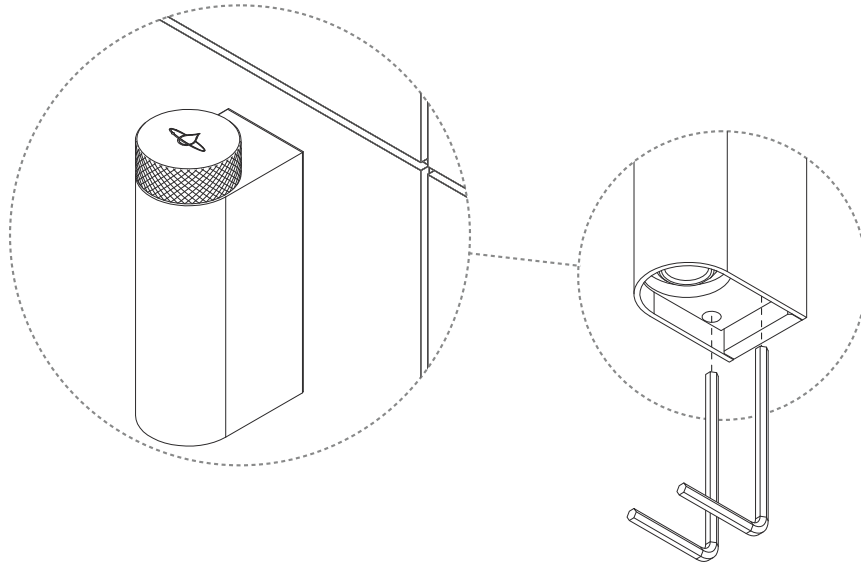


2. Loosen the screws on the bottom to release the diverter.

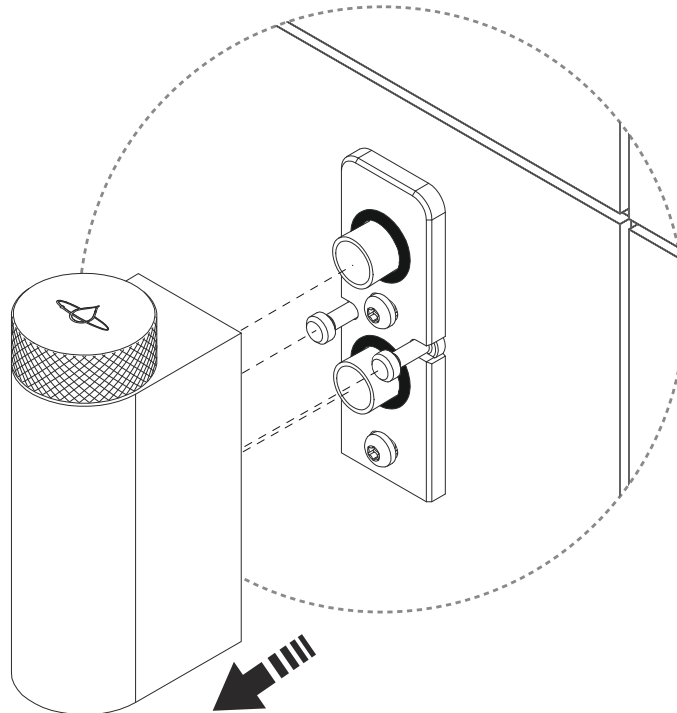


CAUTION

Hold the diverter to minimize the risk of falling.



3. Loosen the diverter body.

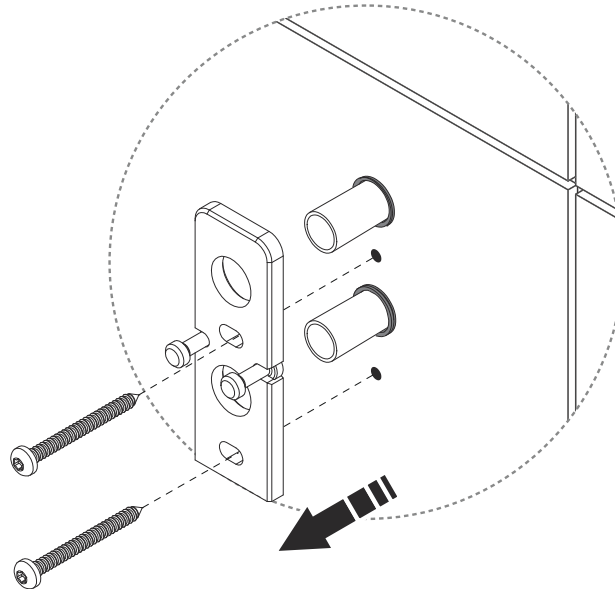


4. Screw down the wall plate.



NOTE

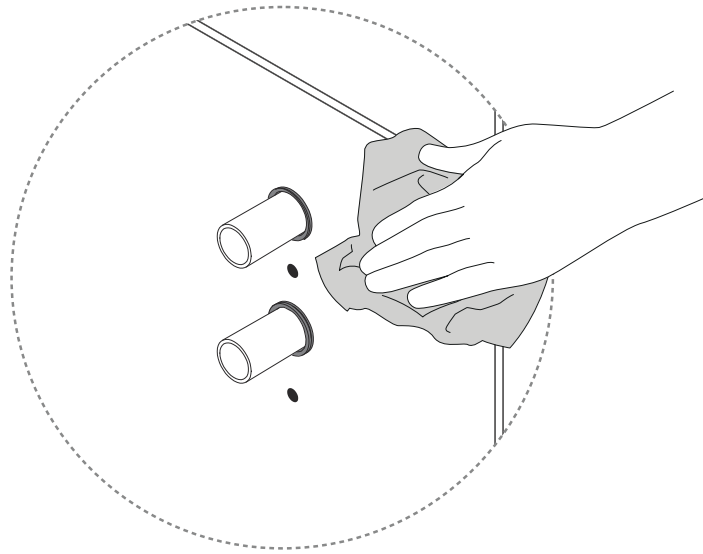
If the wall plate is undamaged, it should be reused and does not need to be dismantled, unless otherwise specified in the work order. This step and steps 1-2 under "Install diverter" only apply when replacing the wall plate.



Install diverter

Step 1-2 are only valid if the wall fixture should be replaced.

1. Clean the surface behind the diverter wall plate.

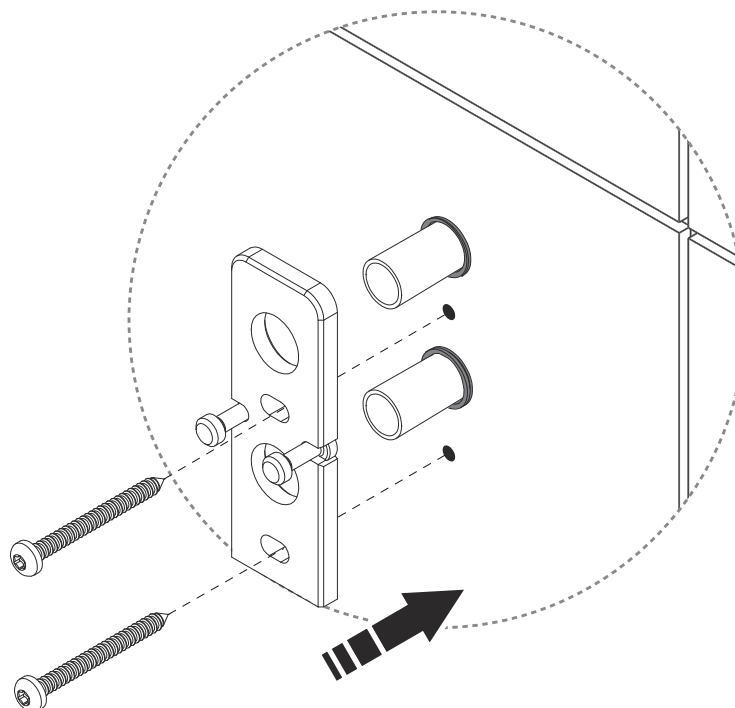


2. Fit the new wall plate.



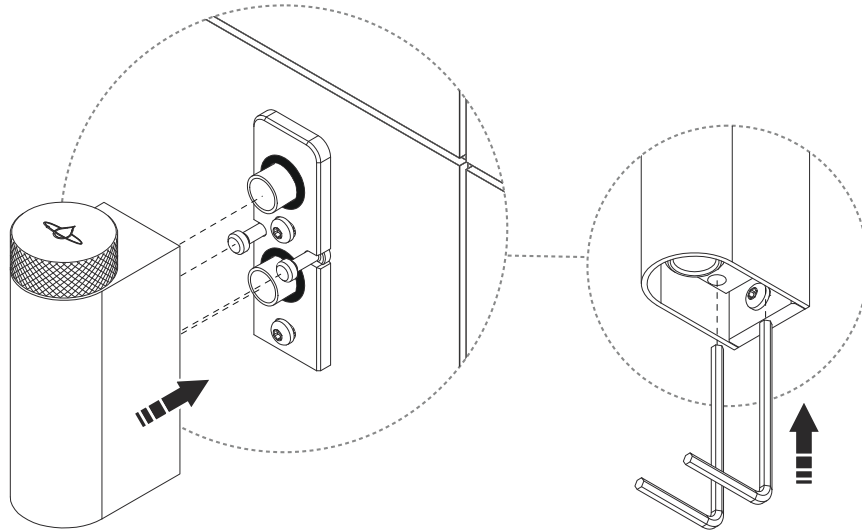
CAUTION

Fill the holes with wet room silicone. The mount must be horizontal.



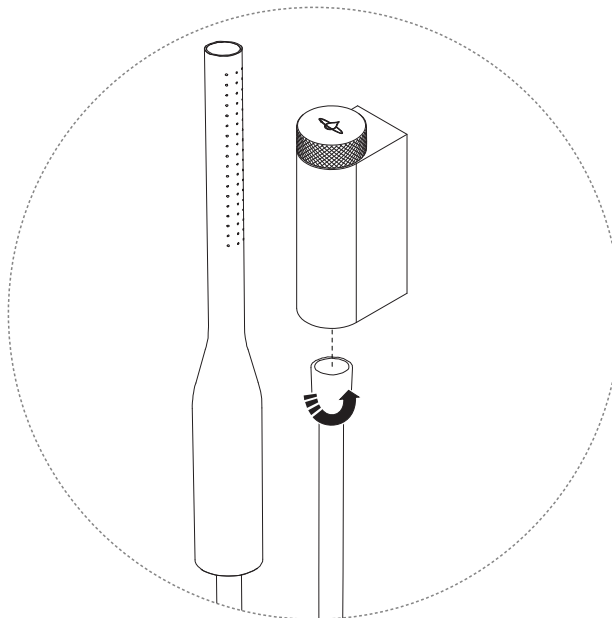
-
3. Mount the diverter body on the wall bracket by tightening the screws on the underside.

⚠ **CAUTION**
Apply fixture grease to the o-rings.

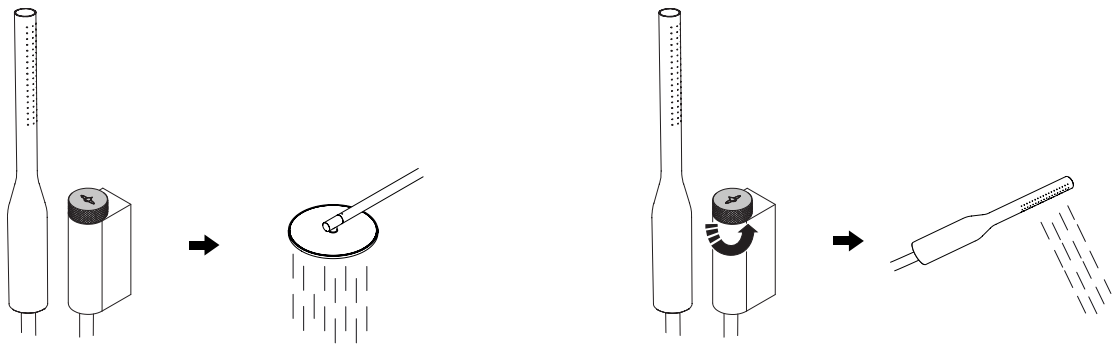


-
4. Install the hand shower hose.

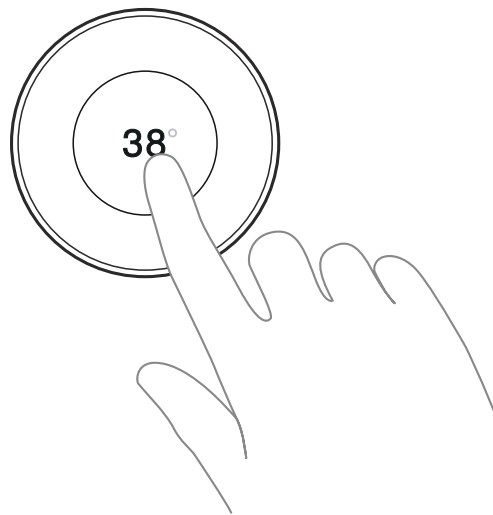
⚠ **CAUTION**
Make sure the gasket is in good condition and has no damage.



-
5. Start the shower and let it run for a while. Switch between the head shower and hand shower, and ensure there is no leakage from the diverter.



-
6. Turn off the shower.



-
7. Recycle the parts and components that should not be reused. ♻️

8. Swap Diverter - 60 CC

This instruction shows how to swap the diverter (60 CC version). Follow the instructions in detail, and don't hesitate to reach out if you have any questions - support@orbital-systems.com.

Use the kit below to swap the diverter. This kit is available in several [color variants \[3\]](#).

1-04-0174 - Swap 60 CC diverter kit:

Diverter body

Diverter wall plate

Twin washer

3 mm hex key tool (Allen key)

Screw, set, M6 x 8

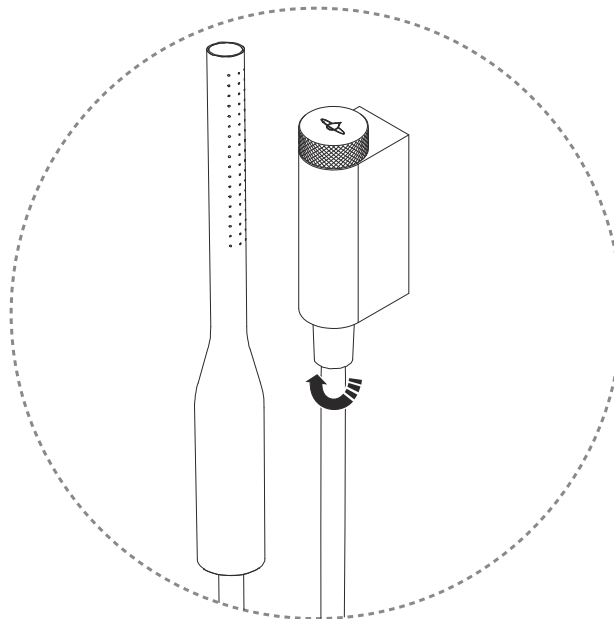
Screw ST4.2 x 50mm A2, TX 20

Screw ST4.2 x 45mm A2, TX 20

Screw ST4.2 x 38mm A2, TX 20

Dismantle diverter

1. Disconnect the hand shower from the diverter.

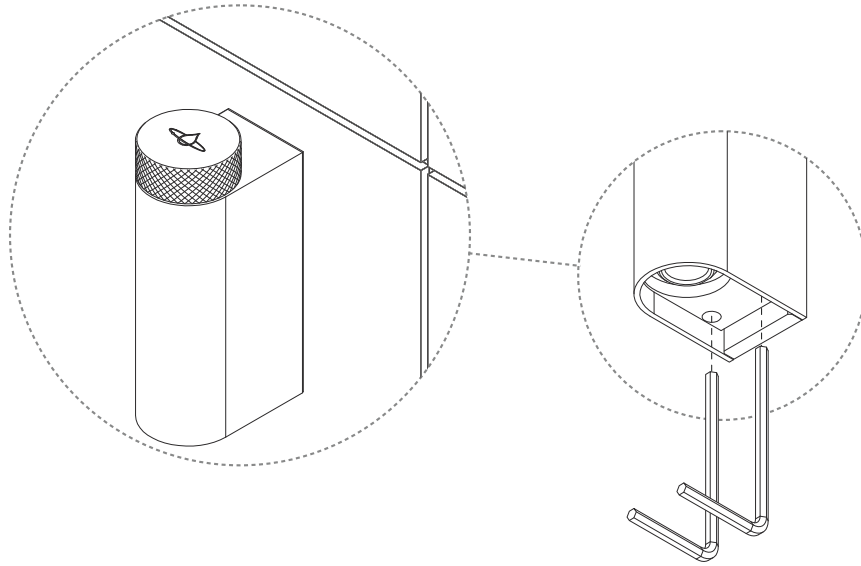


2. Loosen the screws on the bottom to release the diverter.

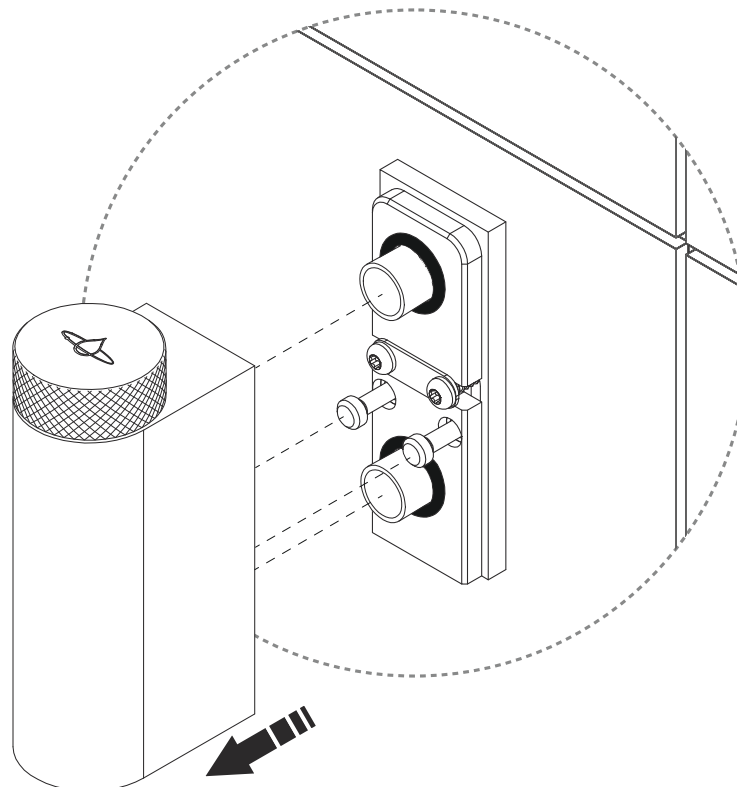


CAUTION

Hold the diverter to minimize the risk of falling.



3. Loosen the diverter body.

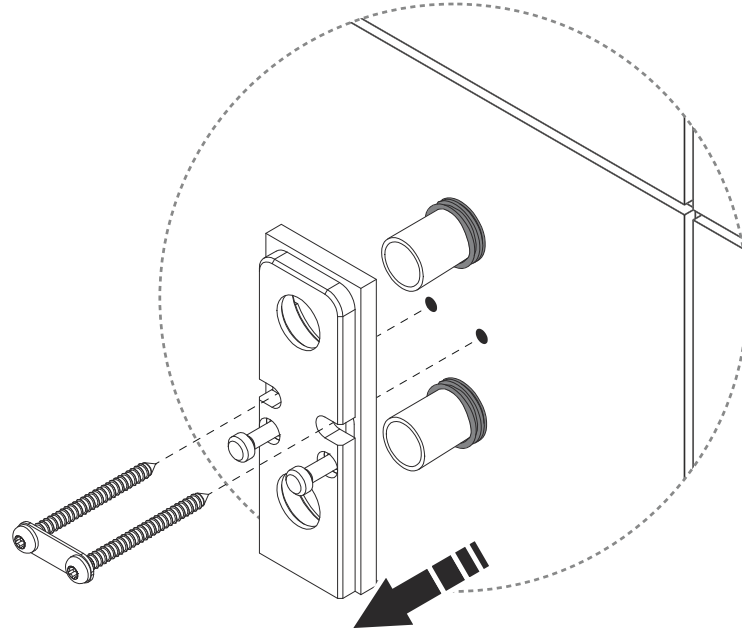


4. Screw down the wall plate.



NOTE

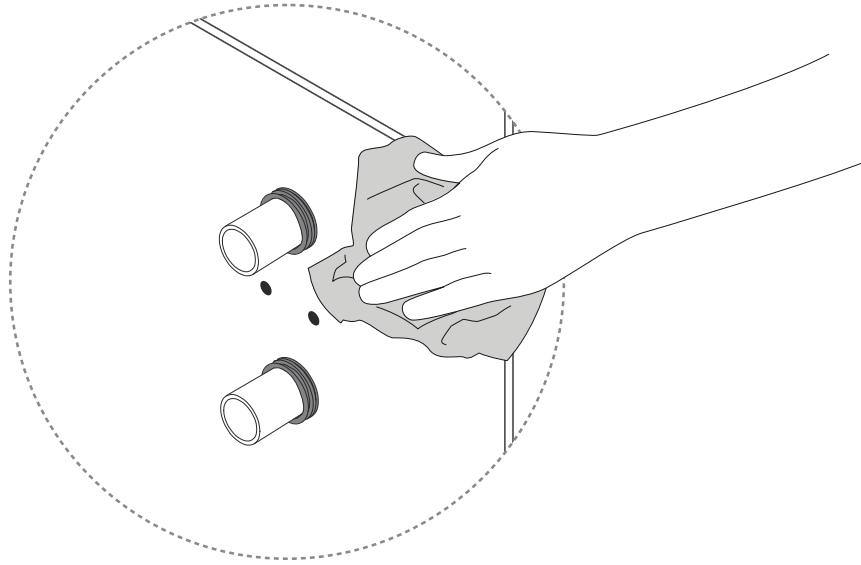
If the wall plate is undamaged, it should be reused and does not need to be dismantled, unless otherwise specified in the work order. This step and steps 1-2 under "Install diverter" only apply when replacing the wall plate.



Install diverter

Steps 1-2 are only valid if the wall plate should be replaced.

1. Clean the surface behind the diverter wall plate.

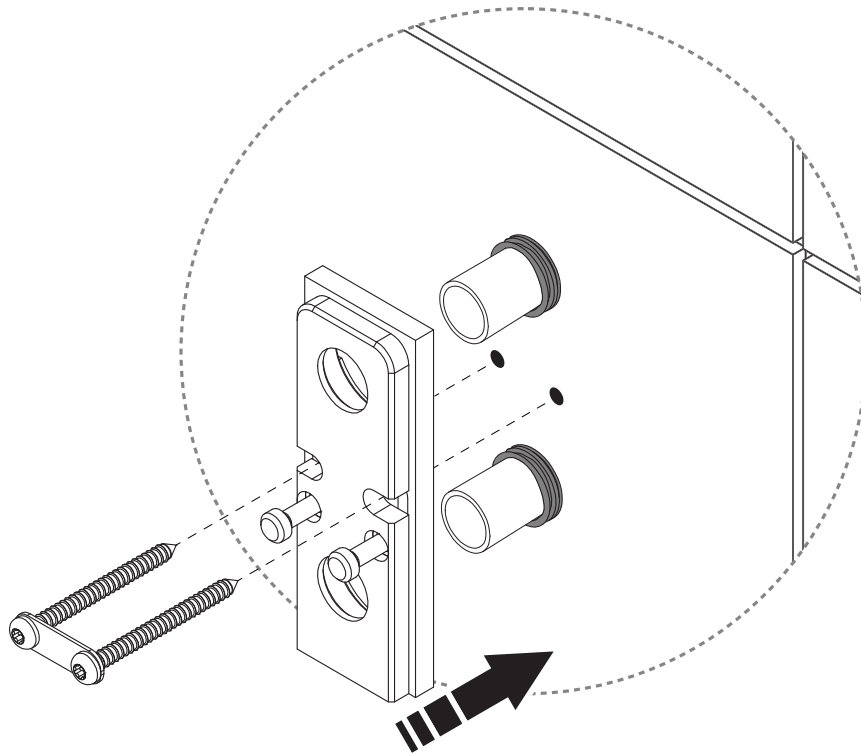


2. Fit the new wall plate.



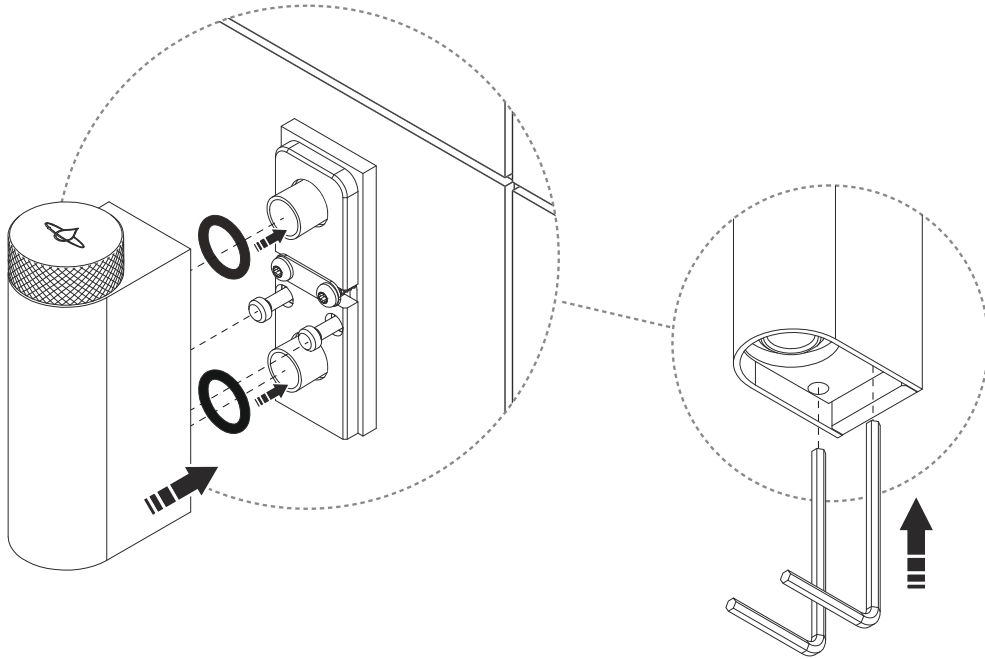
CAUTION

Fill the holes with wet room silicone. The mount must be horizontal.



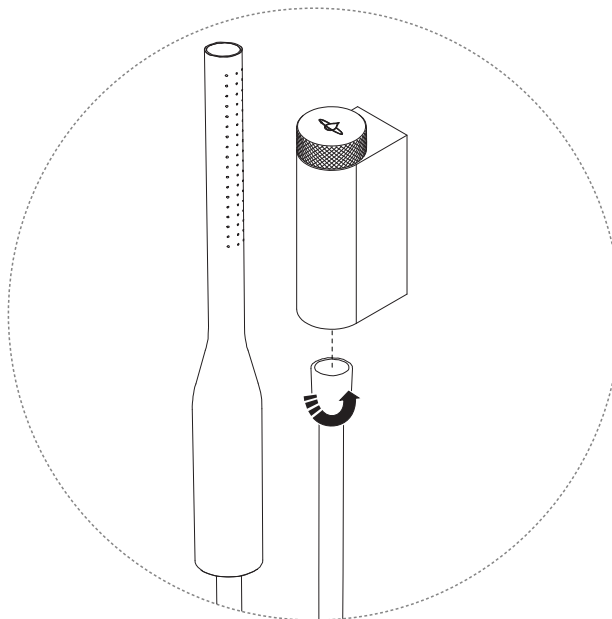
-
3. Mount the diverter body on the wall bracket by tightening the screws on the underside.

⚠ **CAUTION**
Apply fixture grease to the o-rings.

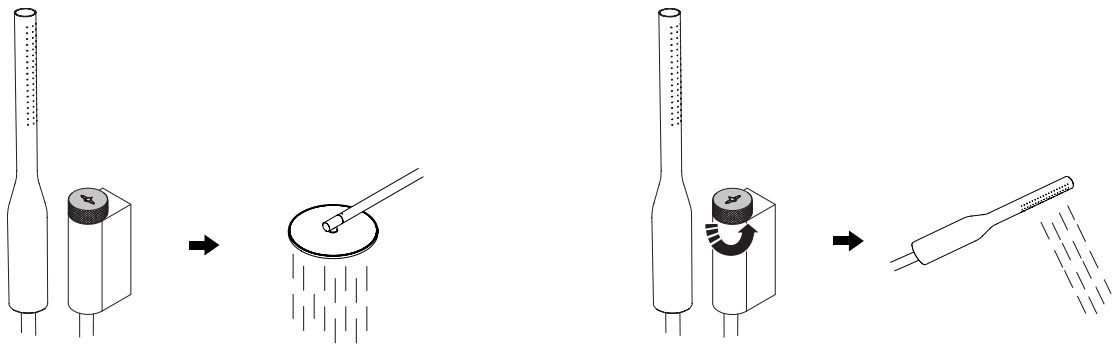


-
4. Install the hand shower hose.

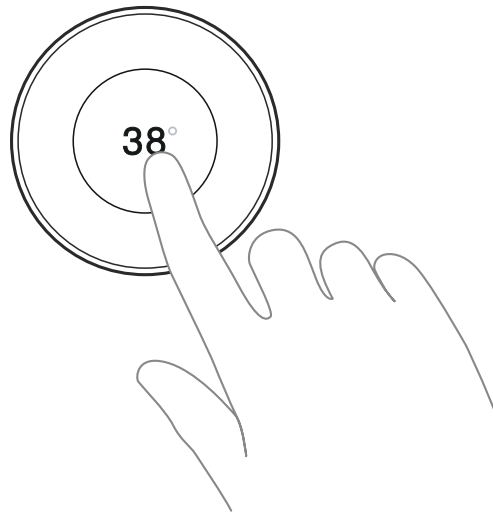
⚠ **CAUTION**
Make sure the gasket is in good condition and has no damage.



-
5. Start the shower and let it run for a while. Switch between the head shower and hand shower, and ensure there is no leakage from the diverter.



-
6. Turn off the shower.



-
7. Recycle the parts and components that should not be reused. ♻️

Head- & hand shower

9. Swap hand shower

This instruction shows how to swap the hand shower. Follow the instructions in detail, and don't hesitate to reach out if you have any questions - support@orbital-systems.com.

Use the following kit to swap the hand shower. This kit is available in [several color variants \[3\]](#).

1-04-0177 - Swap hand shower kit:

Hand shower with hose

Hand shower holder - wall plate

Hand shower holder - cover

2 mm hex key tool (Allen key)

M4x8 Set screw

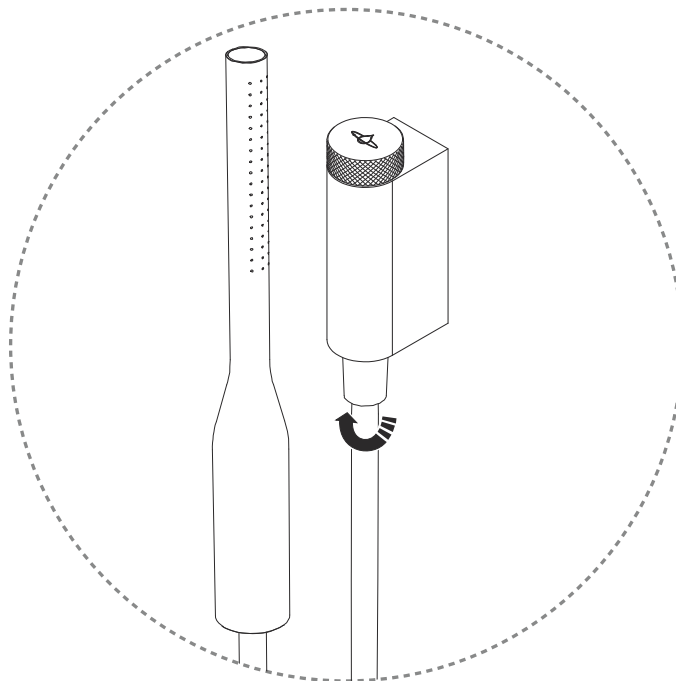
Screw ST4.2 x 50mm A2, TX 20

Screw ST4.2 x 45mm A2, TX 20

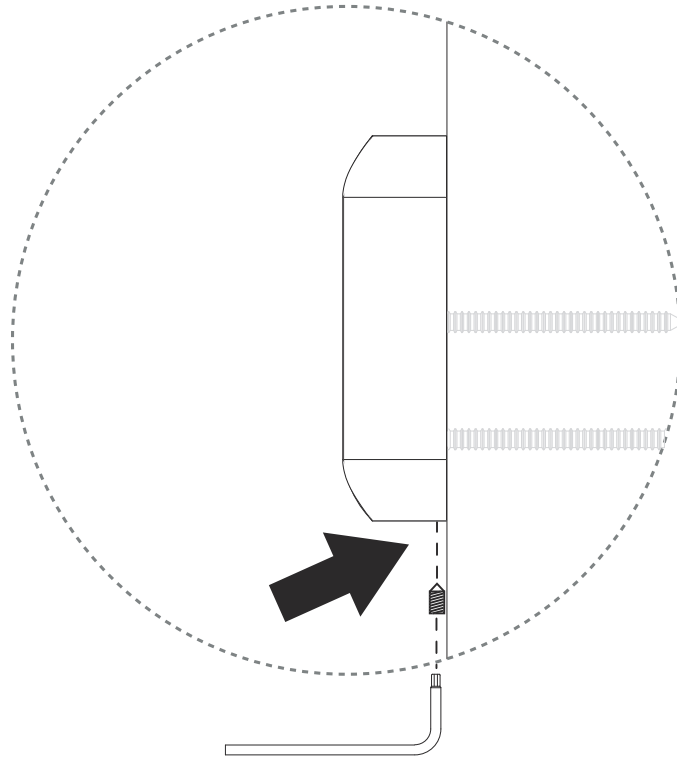
Screw ST4.2 x 38mm A2, TX 20

Dismantle hand shower

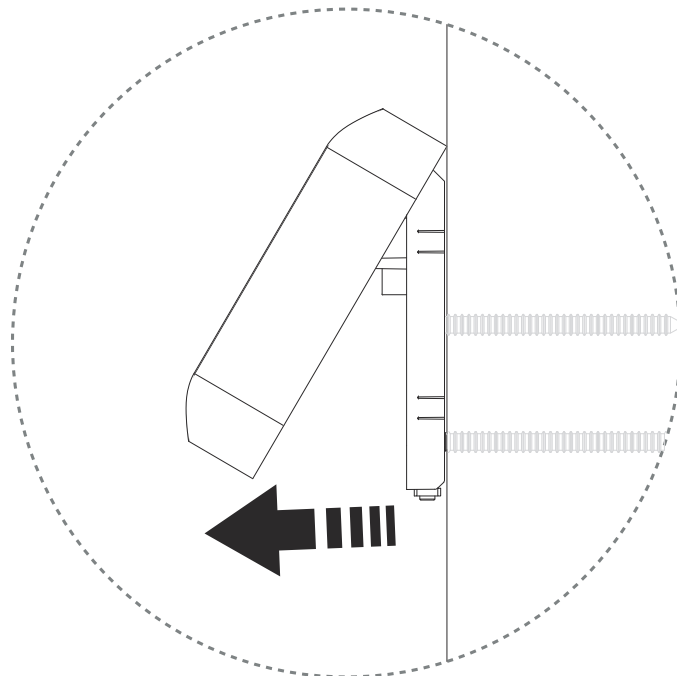
1. Disconnect the hand shower from the diverter.



-
2. Unscrew the hand shower holder. The screw is on the underside.



-
3. Loosen the sleeve.

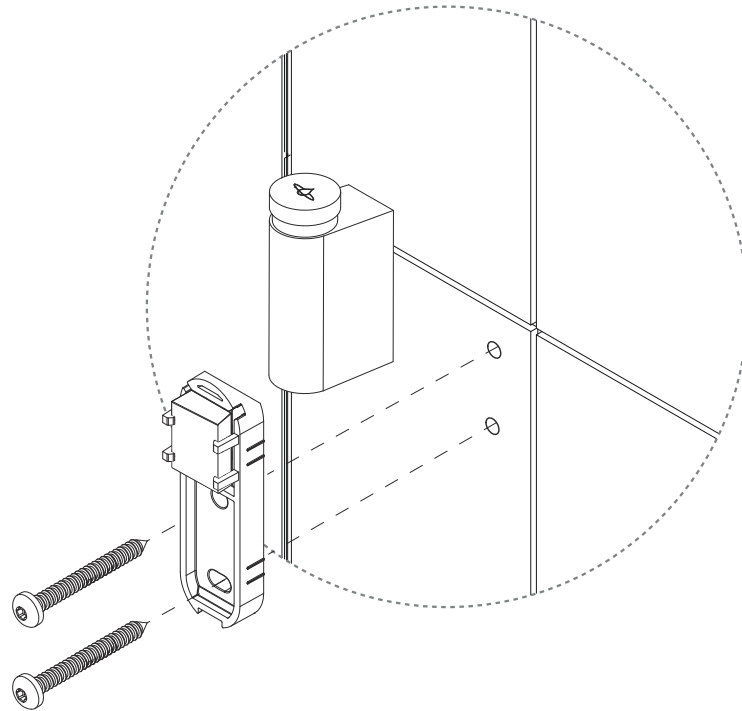


4. Screw down the wall plate.



NOTE

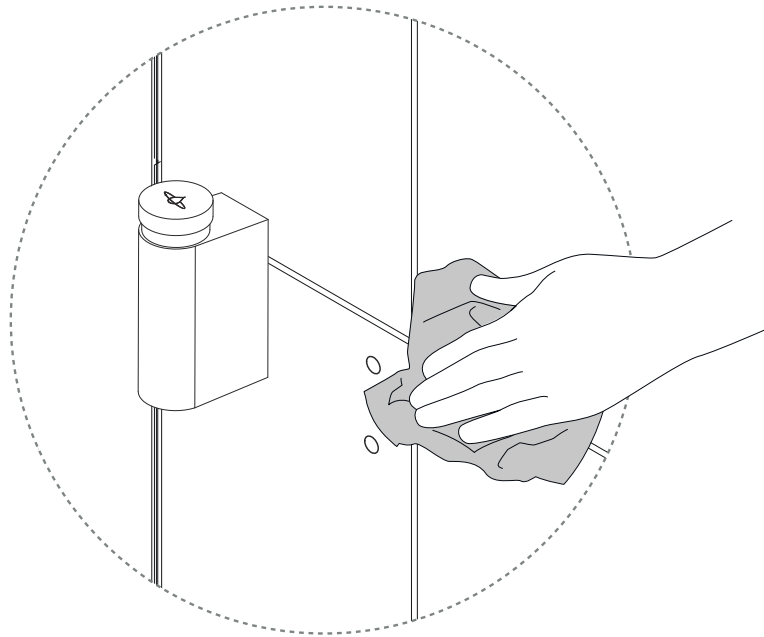
If the wall plate is undamaged, it should be reused and does not need to be dismantled, unless otherwise specified in the work order. This step and steps 1-2 under "Installing a new hand shower" therefore only apply when replacing the wall plate.



Install Hand shower

Steps 1-2 only apply if the wall bracket is to be replaced.

1. Clean the surface under the wall plate.

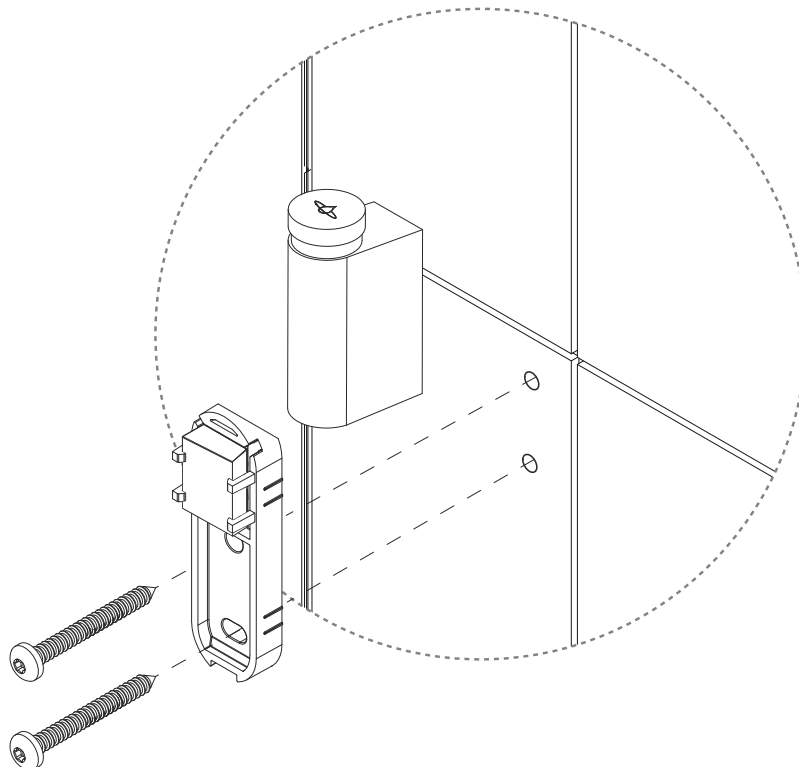


2. Install the new wall bracket.

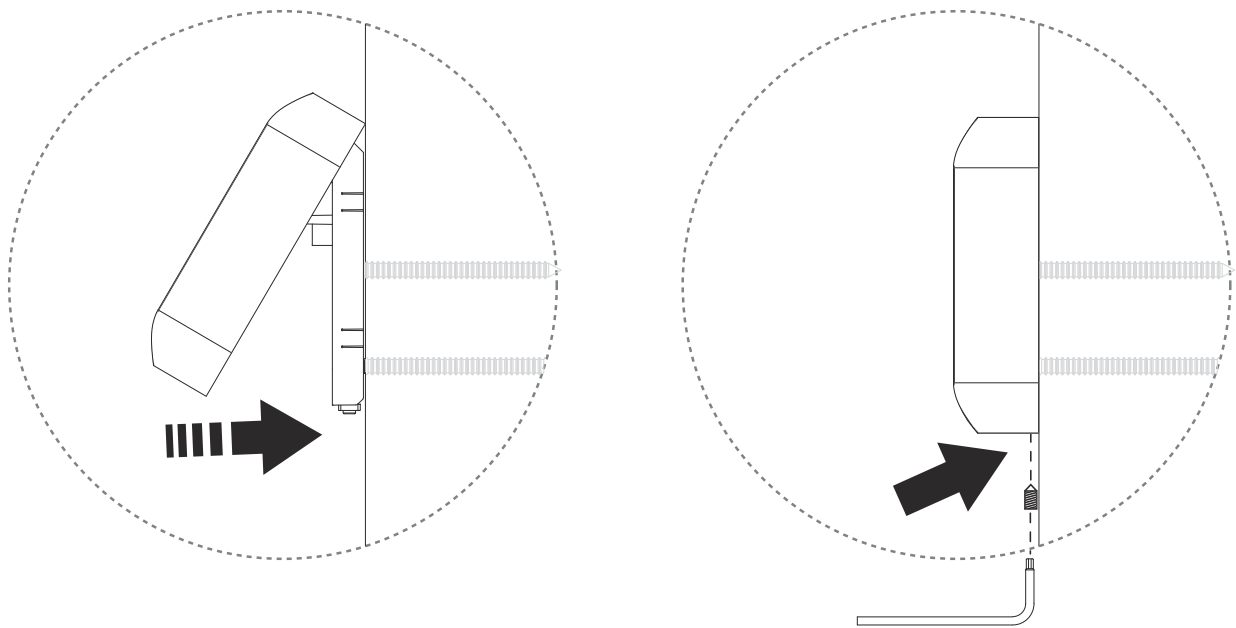


CAUTION

Fill the holes with wet room silicone. The bracket must be mounted horizontally.



-
3. Mount the hand shower holder on the wall bracket. The screw must not be overtightened.

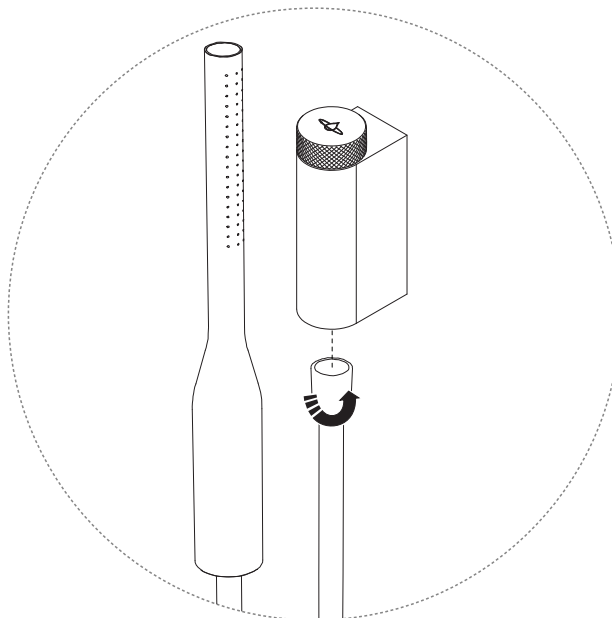


-
4. Install the hand shower hose.

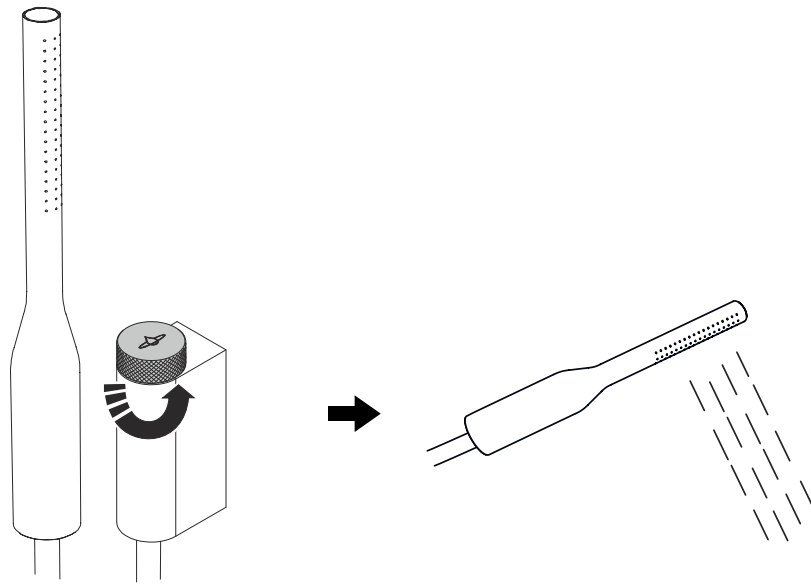


CAUTION

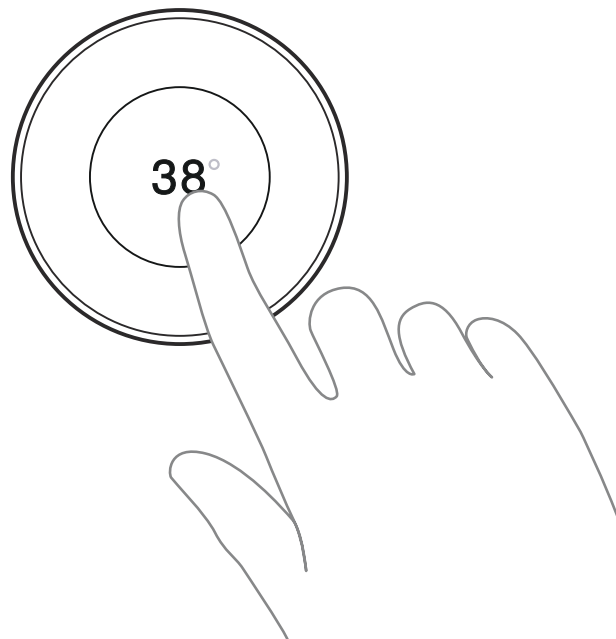
Make sure the gasket is in good condition and has no damage.



5. Start the shower and switch to hand shower. Ensure that the connection is leak-free.



6. Turn off the shower.



7. Recycle the parts and components that should not be reused. ♻️

10. Swap head shower

This instruction shows how to swap the head shower. Follow the instructions in detail, and don't hesitate to reach out if you have any questions - support@orbital-systems.com.

Use the following kit to swap the hand shower. This kit is available in [several color variants \[3\]](#).

1-04-0178 - Swap head shower kit:

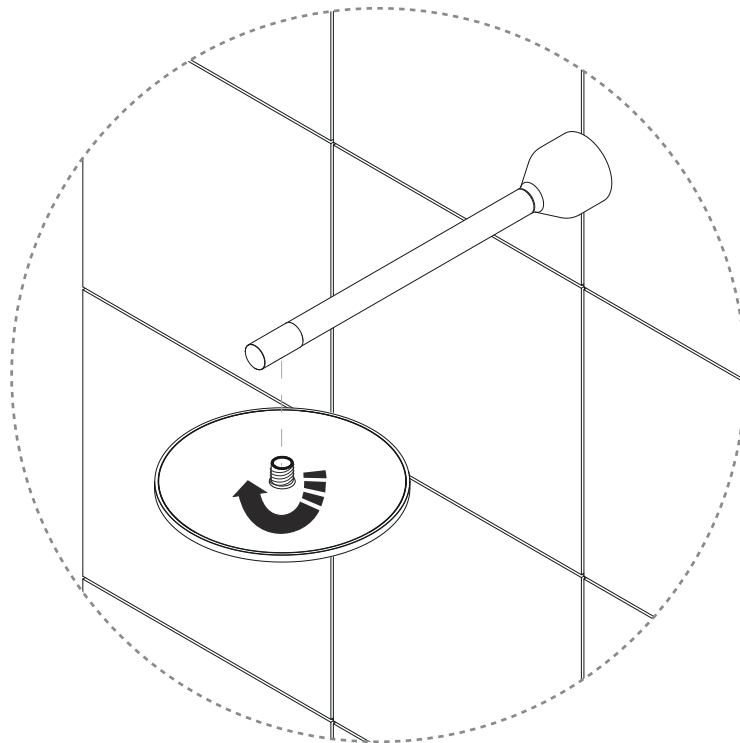
Shower head

Head shower arm

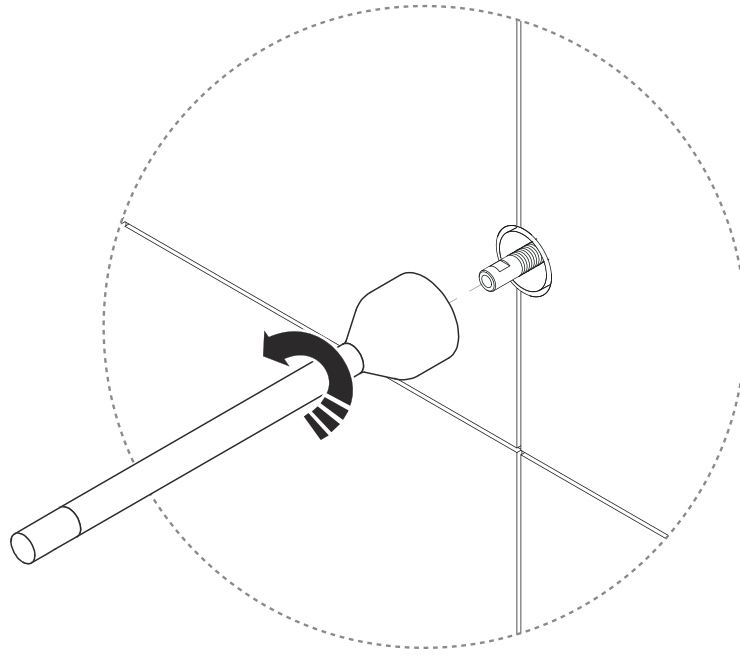
Threaded adapter

Dismantle head shower

1. Unscrew the shower head.



2. Screw down the shower arm.

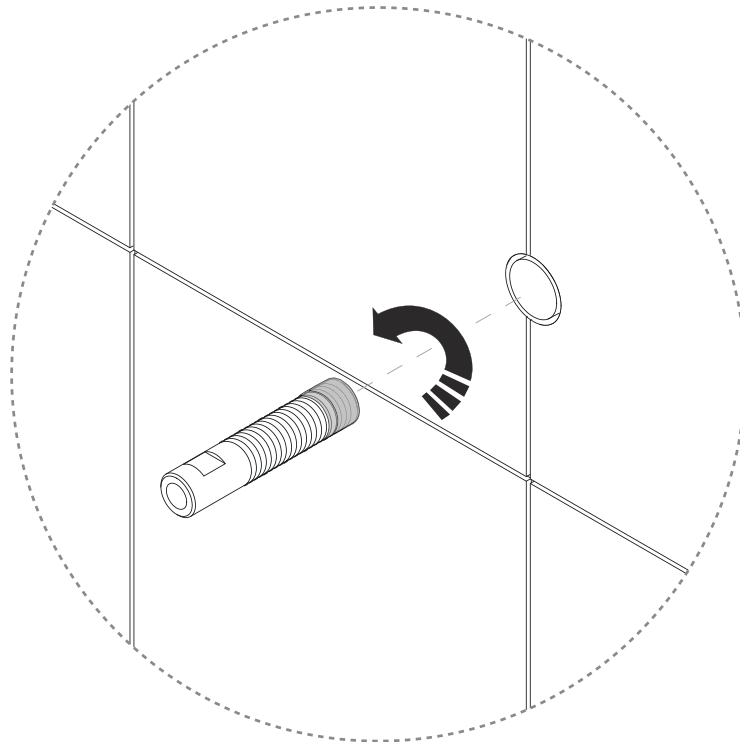


3. Screw down the threaded adapter.



NOTE

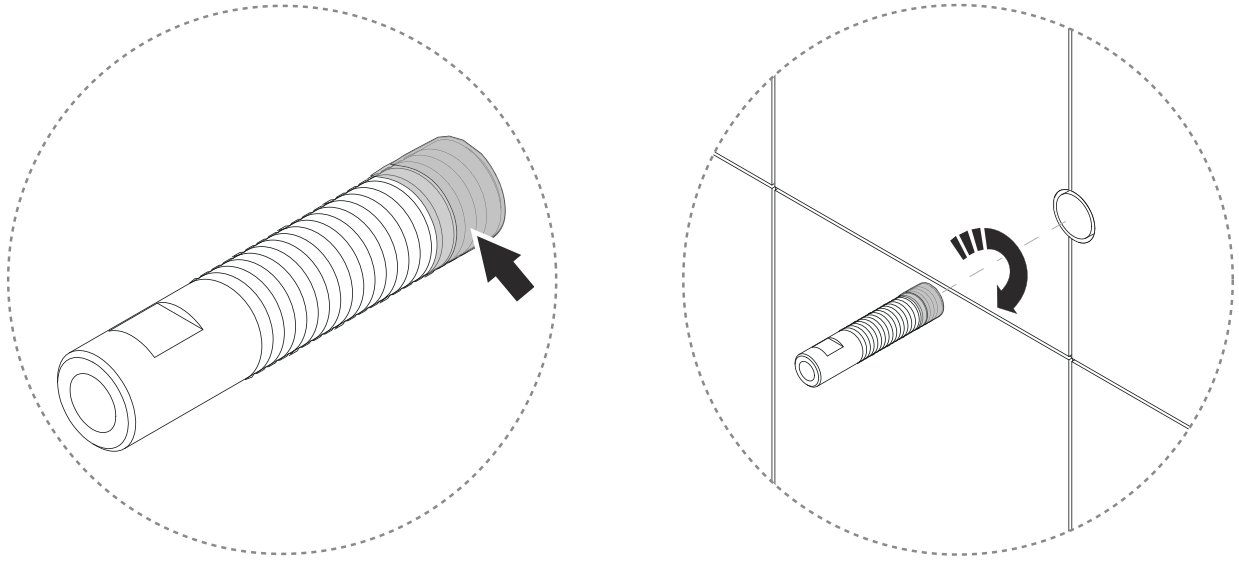
If the threaded adapter is undamaged, it should be reused and does not need to be replaced, unless otherwise specified in the work order. This step and step 1 under "Installing the overhead shower" only apply when replacing the threaded adapter.



Install head shower

Step 1 only applies if the threaded adapter is to be replaced.

1. Fit the threaded adapter. Cover the end with thread sealant to prevent leakage.

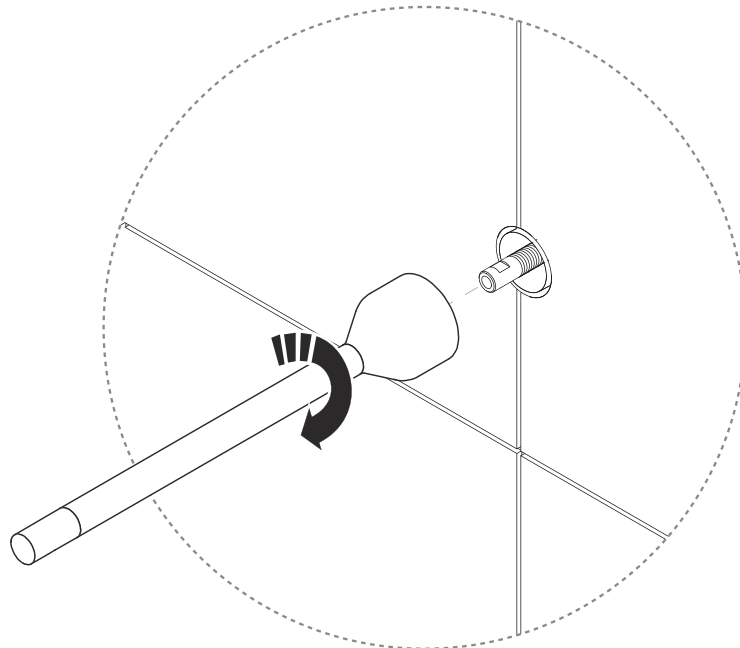


2. Install the shower arm.

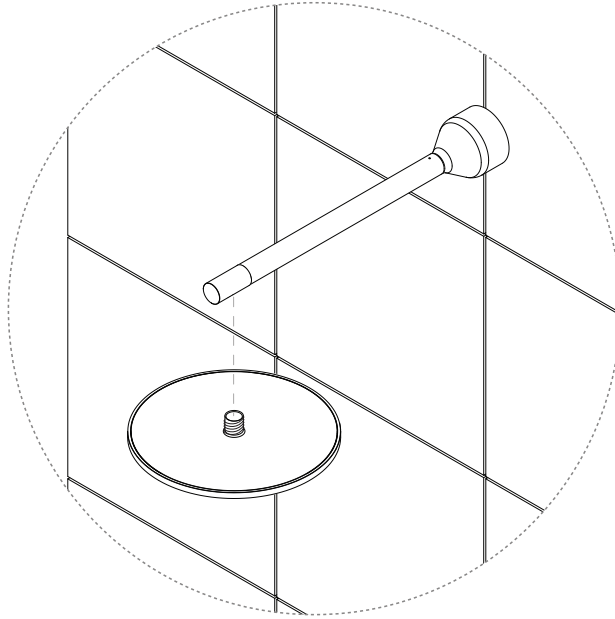


CAUTION

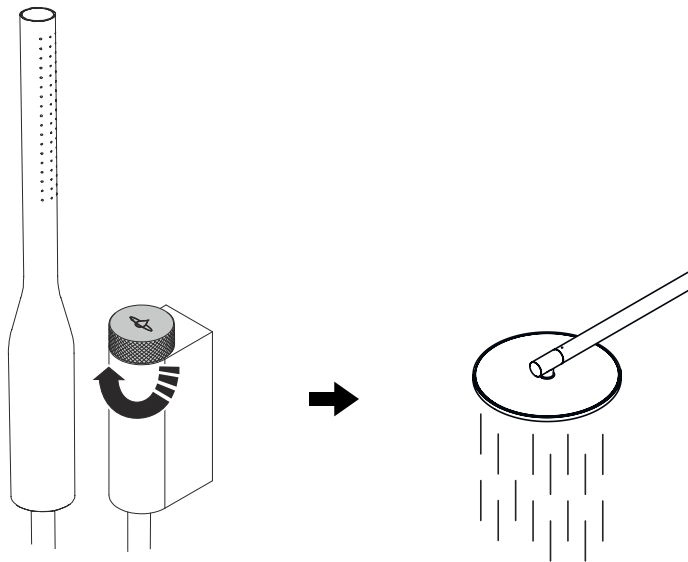
Apply fitting grease to the end of the PEX pipe.



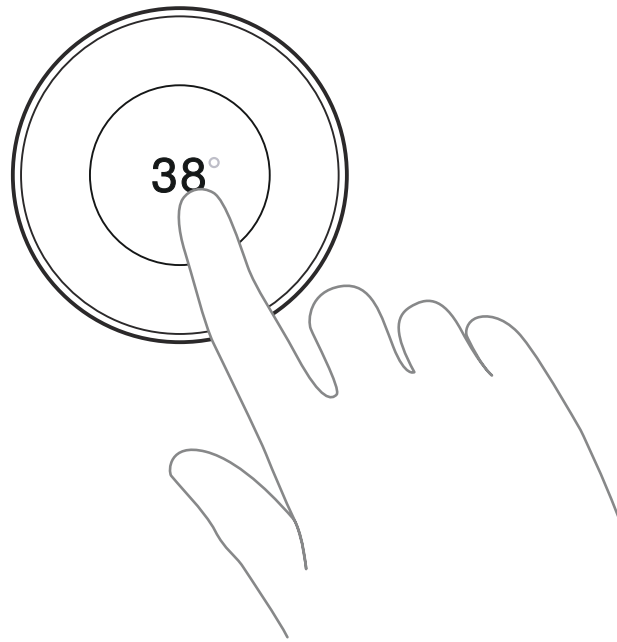
-
3. Check that the gasket is in place and fit the shower head.



-
4. Start the shower and switch to shower head mode. Ensure that there is no leakage between the wall and the shower arm and between the shower head and the shower arm.



5. Turn off the shower.



6. Recycle the parts and components that should not be reused. ♻️

11. Swap head shower & hand shower

This instruction shows how to swap the head- and hand shower. Follow the instructions in detail, and don't hesitate to reach out if you have any questions - support@orbital-systems.com.

Use the following kit to swap the head shower and hand shower. These kits are available in [several color variants \[3\]](#).

1-04-0178 - Swap head shower kit:

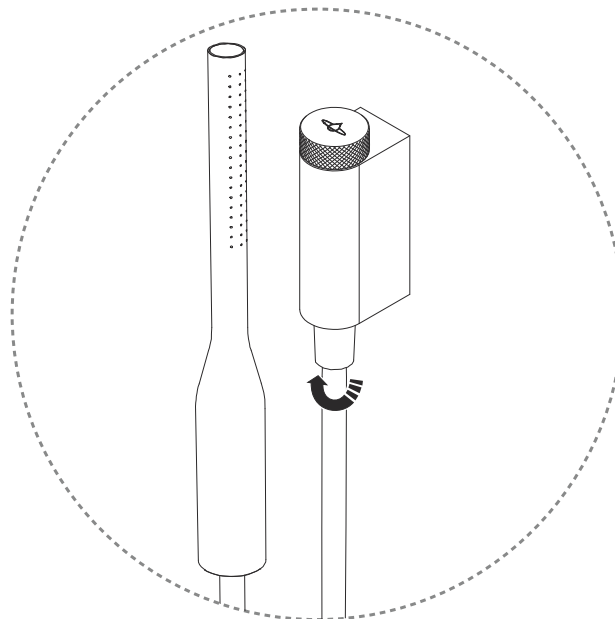
Shower head
Head shower arm
Threaded adapter

1-04-0177 - Swap hand shower kit:

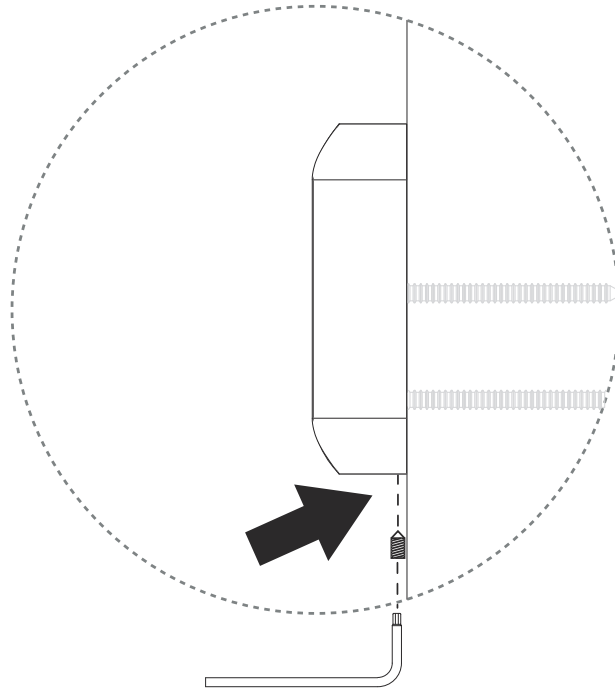
Hand shower with hose
Hand shower holder - wall plate
Hand shower holder - cover
2 mm hex key tool (Allen key)
M4x8 Set screw
Screw ST4.2 x 50mm A2, TX 20
Screw ST4.2 x 45mm A2, TX 20
Screw ST4.2 x 38mm A2, TX 20

Dismantle head- & hand shower

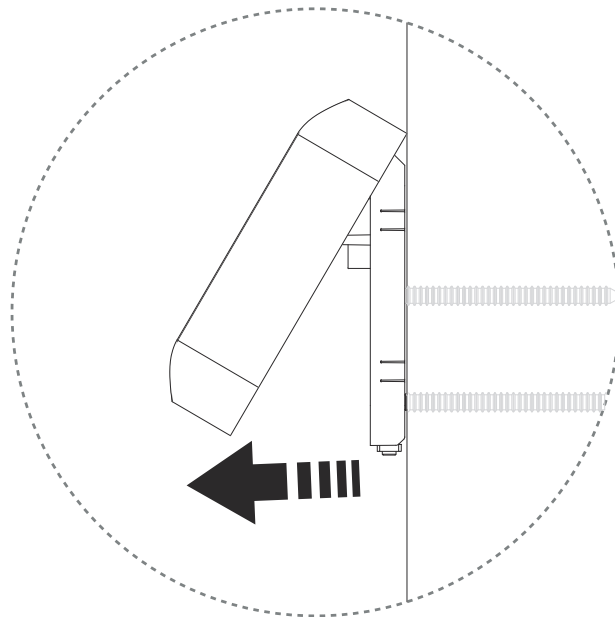
1. Disconnect the hand shower from the diverter.



2. Unscrew the hand shower holder. The screw is on the underside.



3. Loosen the sleeve.

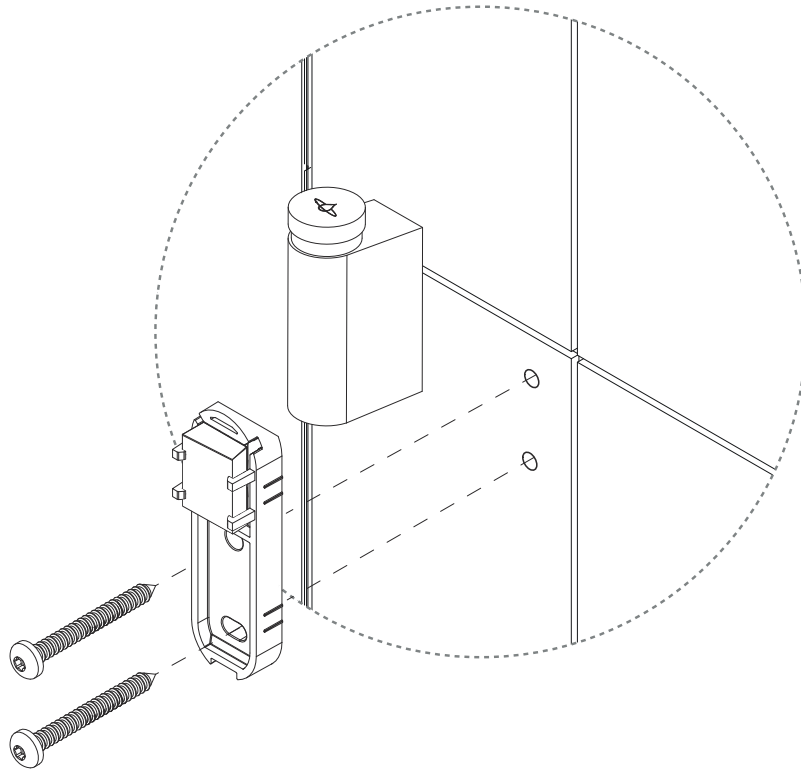


4. Screw down the wall plate.

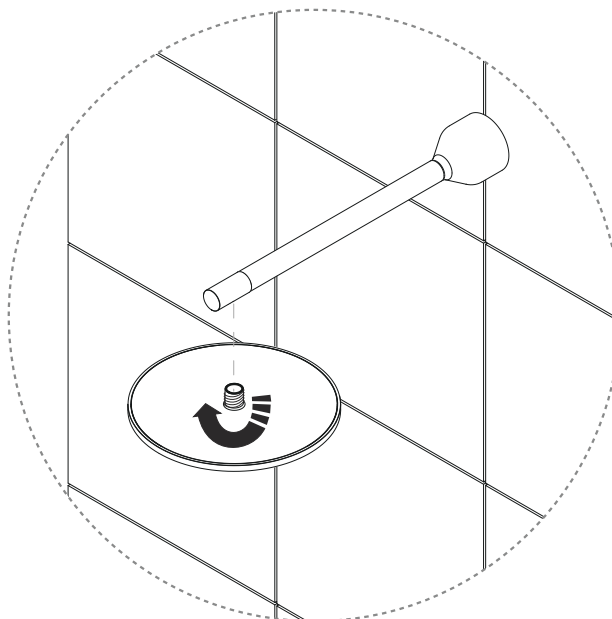


NOTE

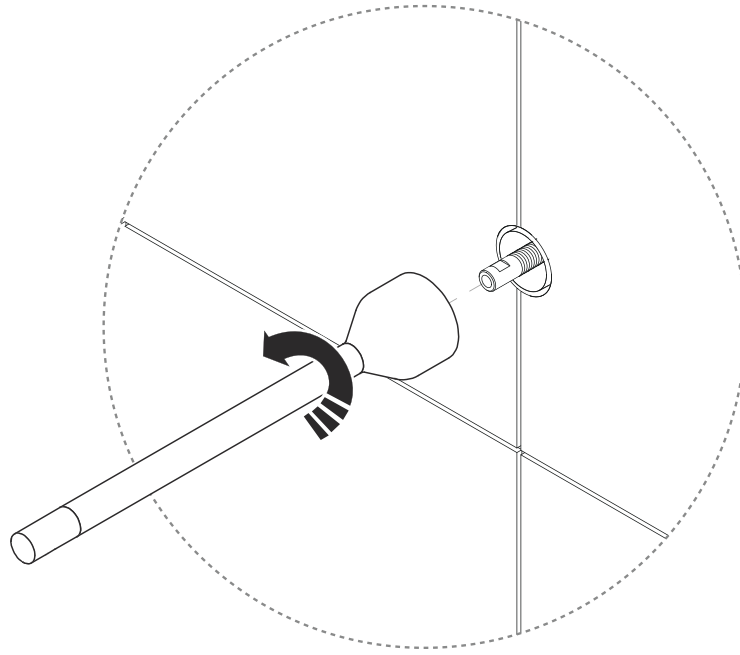
If the wall plate is undamaged, it should be reused and does not need to be dismantled, unless otherwise specified in the work order. This step and steps 1-2 under "Installing a new hand shower" therefore only apply when replacing the wall plate.



5. Unscrew the shower head.



6. Screw down the shower arm.

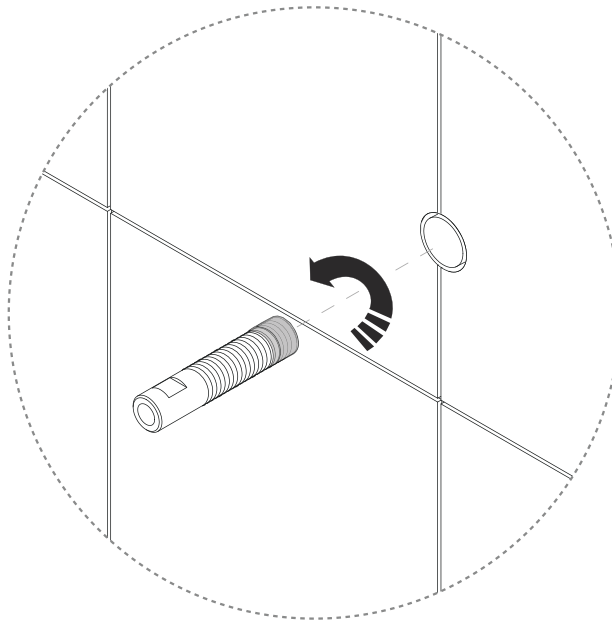


7. Screw down the threaded adapter.



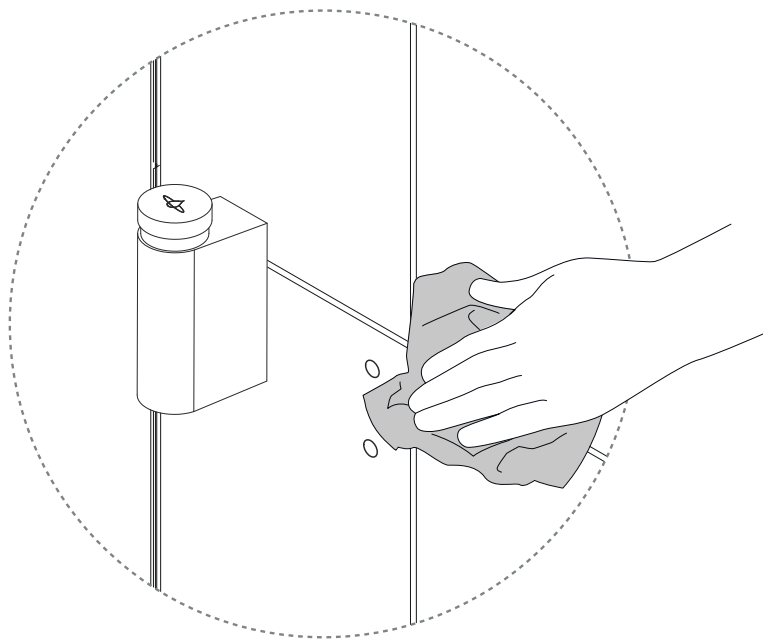
NOTE

If the threaded adapter is undamaged, it should be reused and does not need to be replaced, unless otherwise specified in the work order. This step and step 1 under "Installing the overhead shower" only apply when replacing the threaded adapter.



Install head- & hand shower

1. Clean the surface under the wall plate.

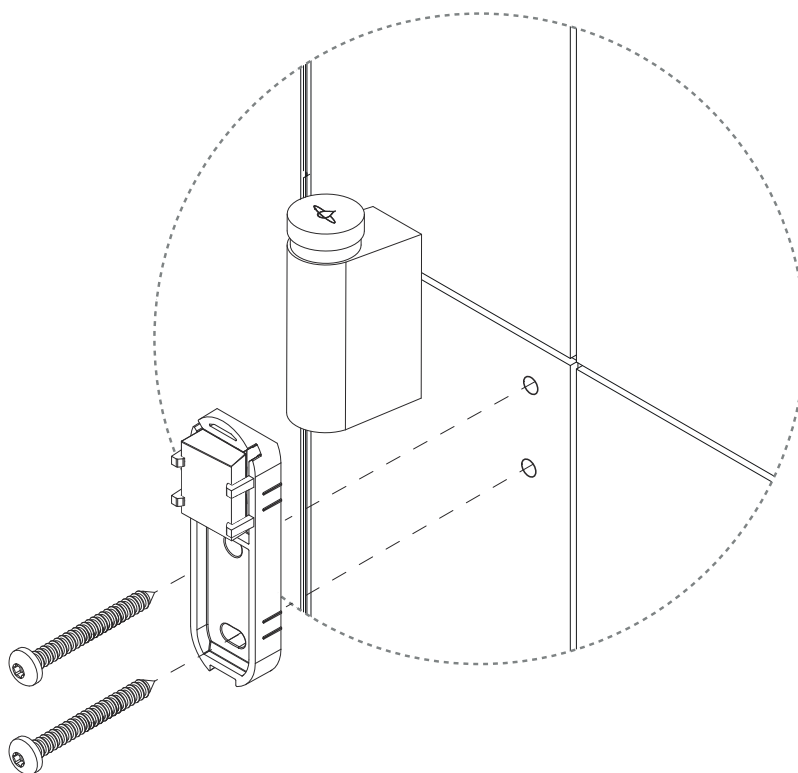


2. Install the new wall bracket.

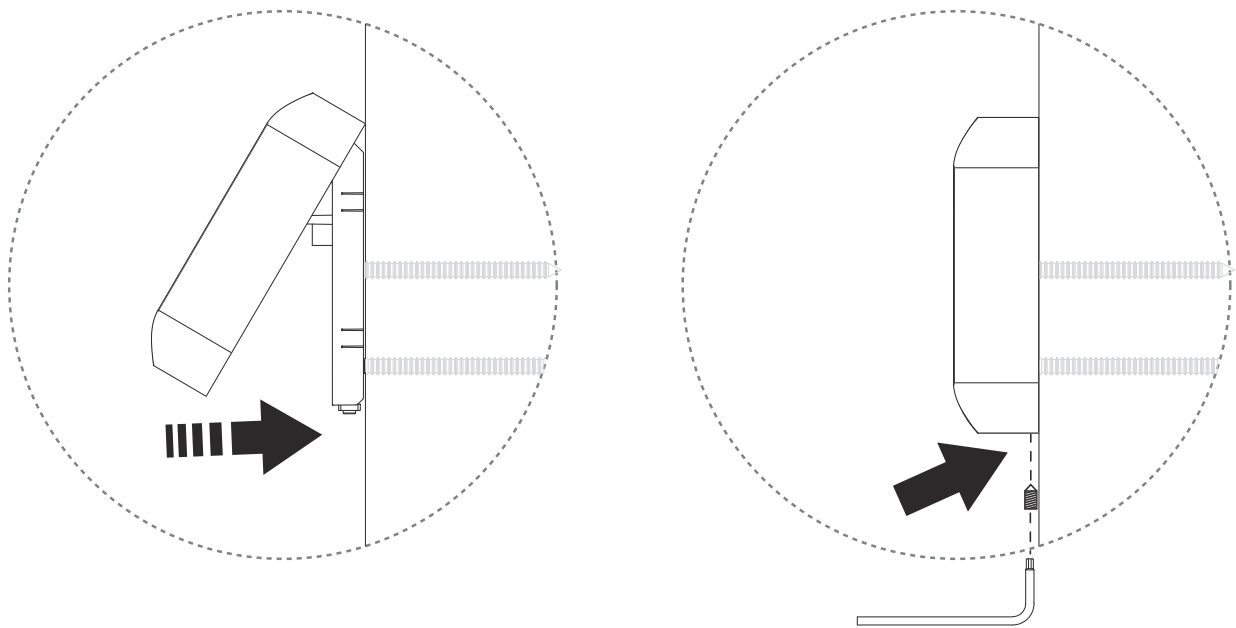


CAUTION

Fill the holes with wet room silicone. The bracket must be mounted horizontally.



-
3. Mount the hand shower holder on the wall bracket. The screw must not be overtightened.

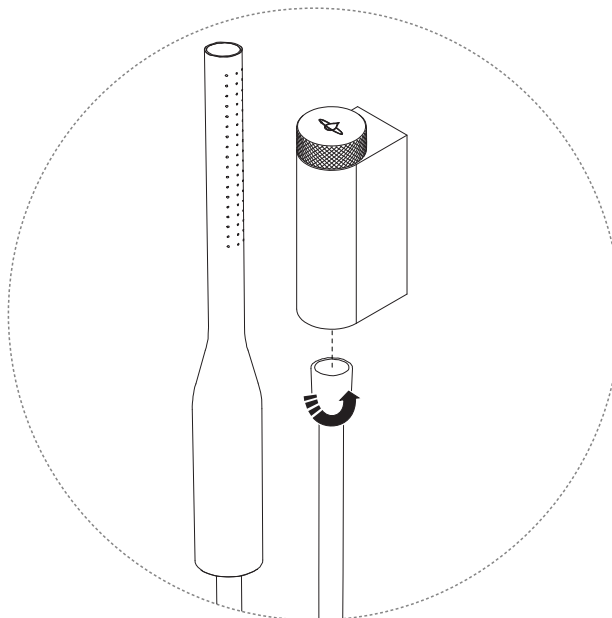


-
4. Install the hand shower hose.

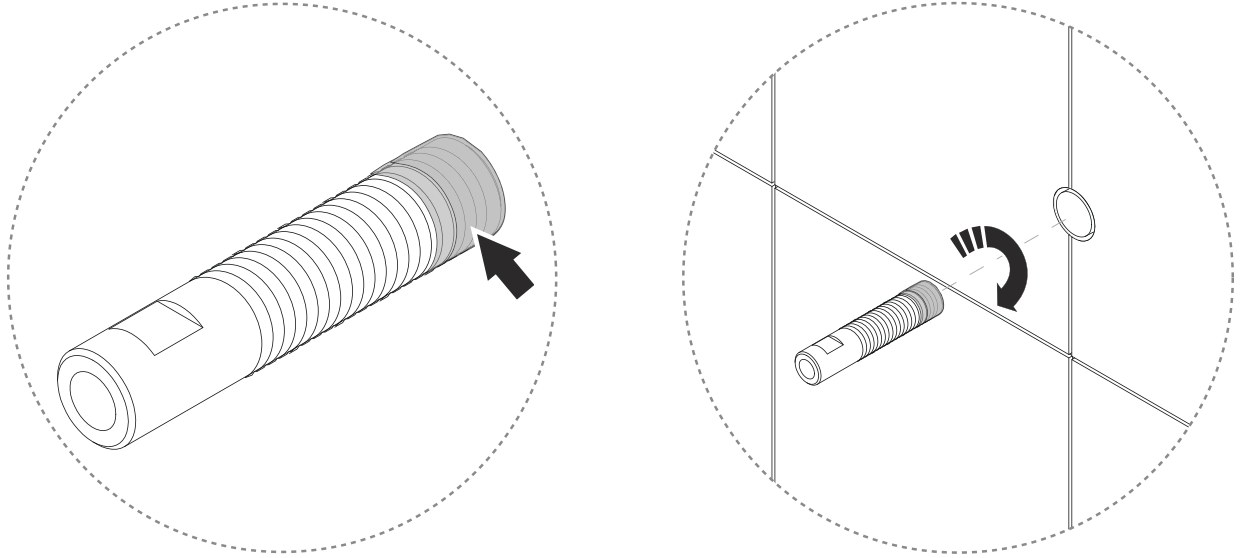


CAUTION

Make sure the gasket is in good condition and has no damage.



-
5. Fit the threaded adapter. Cover the end with thread sealant to prevent leakage.

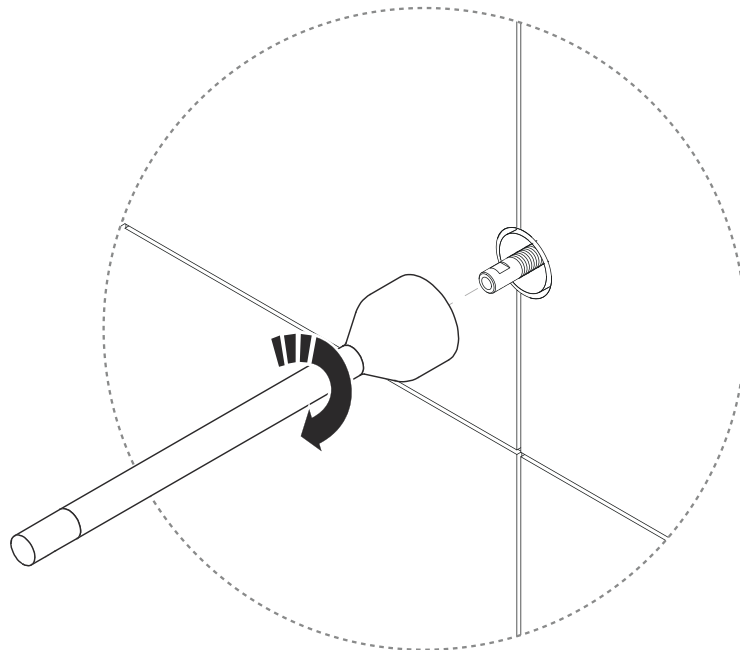


-
6. Install the shower arm.

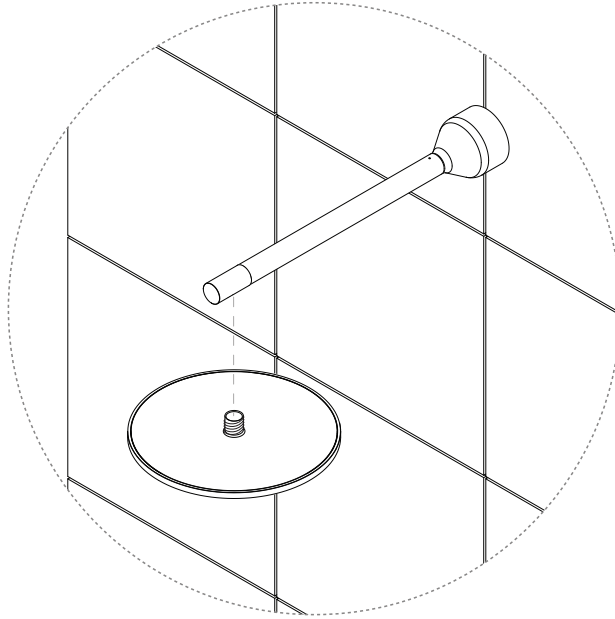


CAUTION

Apply fitting grease to the end of the PEX pipe.

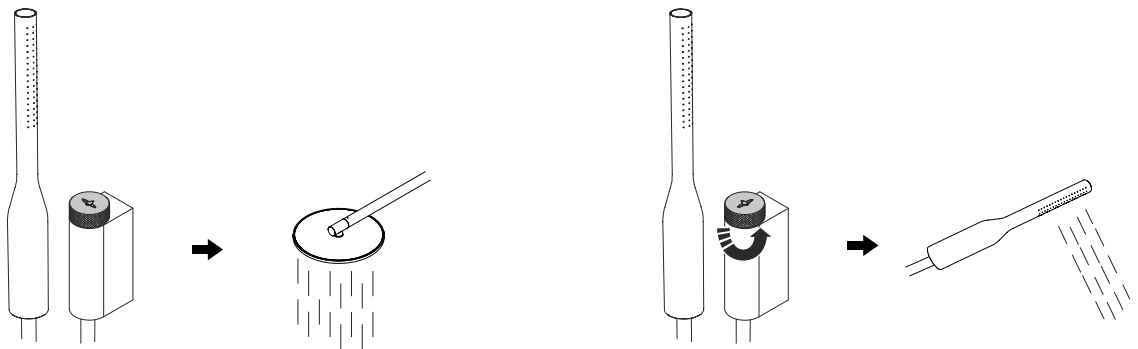


7. Check that the gasket is in place and fit the shower head.

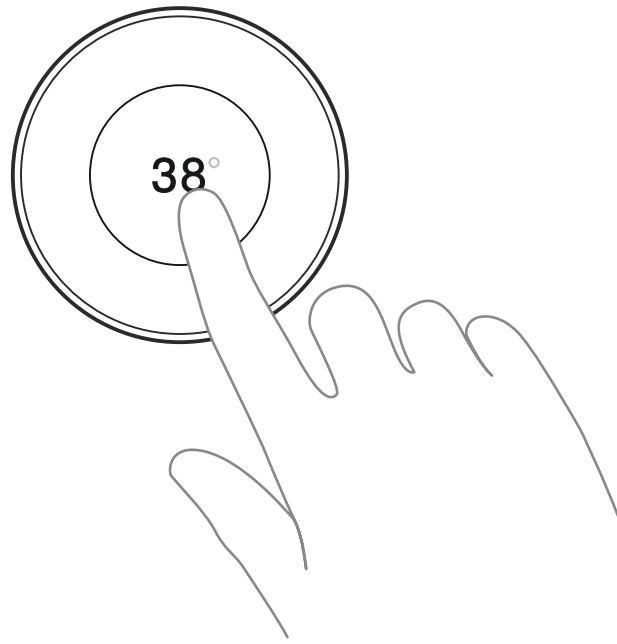


8. Start the shower and let it run for a while. Switch between the overhead shower and the hand shower, ensuring that there is no leakage in between:

- **a)** Hand shower hose and diverter
- **b)** Wall and shower arm
- **c)** Shower head and shower arm



9. Turn off the shower.



10. Recycle the parts and components that should not be reused. ♻️

External components

12. Swap external components - 40 CC

This instruction shows how to swap the diverter (40 CC version), head- and hand shower. Follow the instructions in detail, and don't hesitate to reach out if you have any questions - support@orbital-systems.com.

Use the kit below to swap the diverter, head shower and hand shower. These kits are available in [several color variants \[3\]](#).

1-04-0173 - Swap 40 CC diverter kit:

- Diverter body
- Diverter wall plate
- O-ring Ø15,54x2,62 Nitrile
- 3 mm hex key tool (Allen key)
- Screw, set, M6 x 8
- Screw ST4.2 x 50mm A2, TX 20
- Screw ST4.2 x 45mm A2, TX 20
- Screw ST4.2 x 38mm A2, TX 20

1-04-0178 - Swap head shower kit:

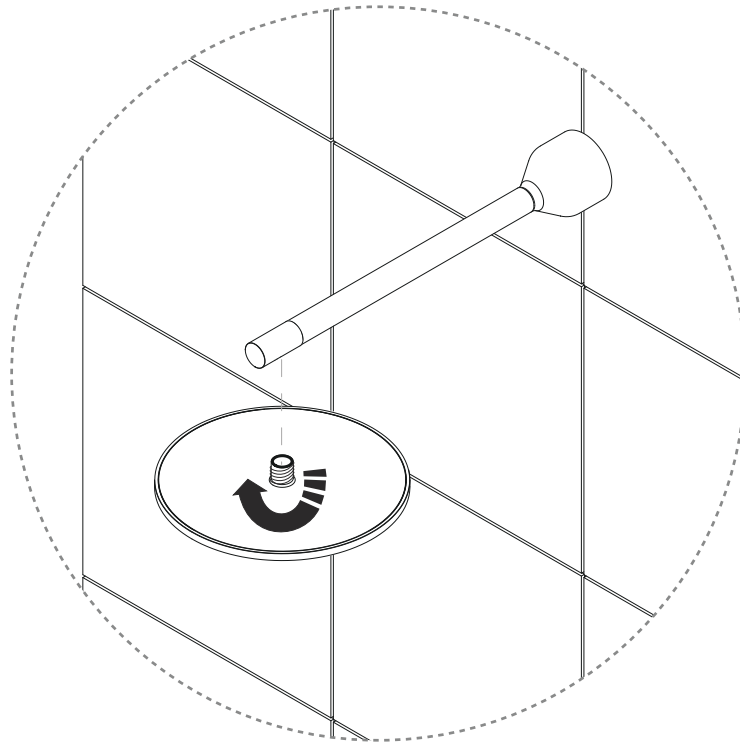
- Shower head
- Head shower arm
- Threaded adapter

1-04-0177 - Swap hand shower kit:

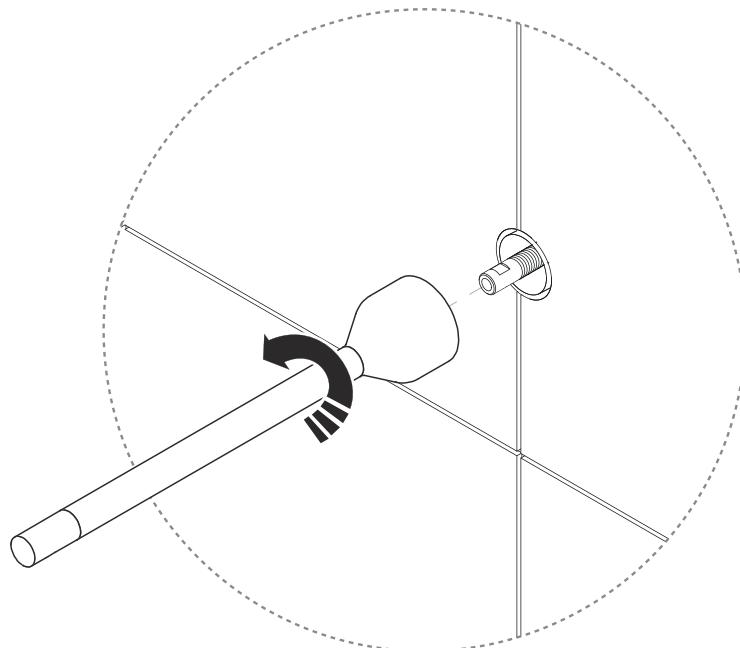
- Hand shower with hose
- Hand shower holder - wall plate
- Hand shower holder - cover
- 2 mm hex key tool (Allen key)
- M4x8 Set screw
- Screw ST4.2 x 50mm A2, TX 20
- Screw ST4.2 x 45mm A2, TX 20
- Screw ST4.2 x 38mm A2, TX 20

Dismantle external components

1. Unscrew the shower head.



2. Screw down the shower arm.

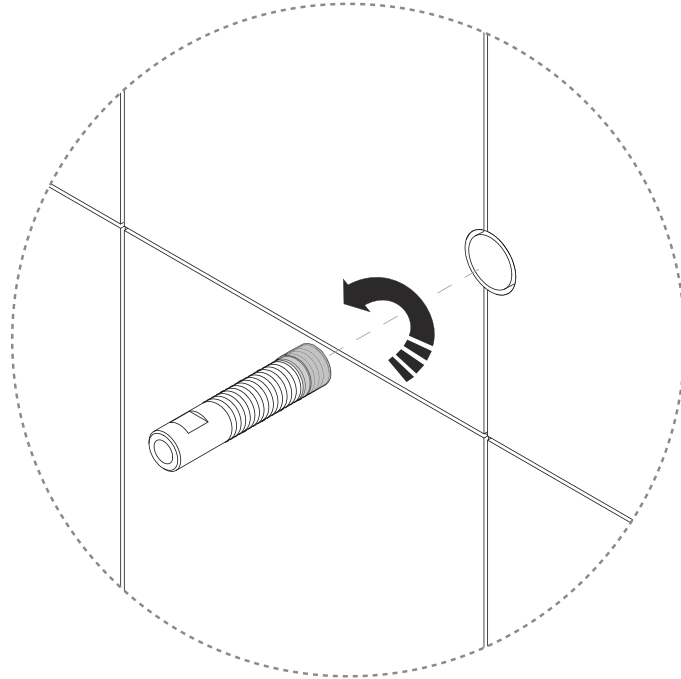


3. Screw down the threaded adapter.

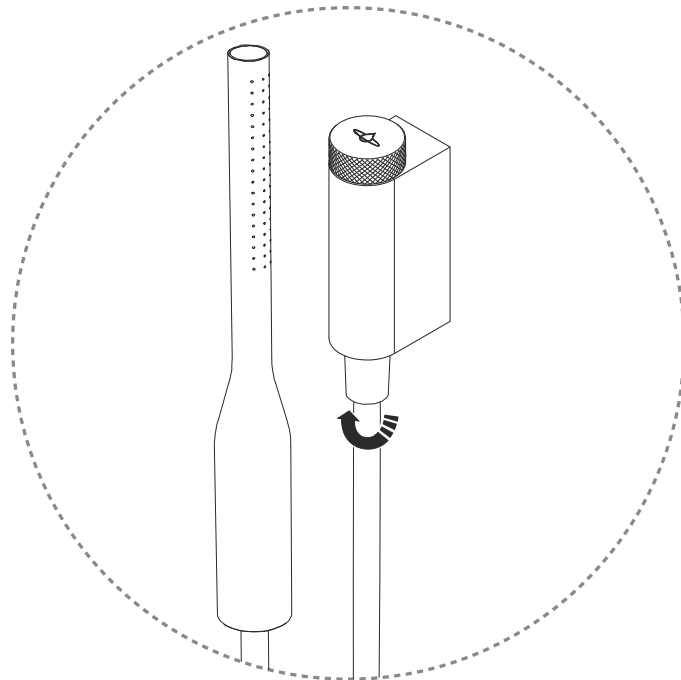


NOTE

If the threaded adapter is undamaged, it should be reused and does not need to be replaced, unless otherwise specified in the work order. This step and step 1 under "Install external components" only apply when replacing the threaded adapter.



4. Disconnect the hand shower from the diverter.

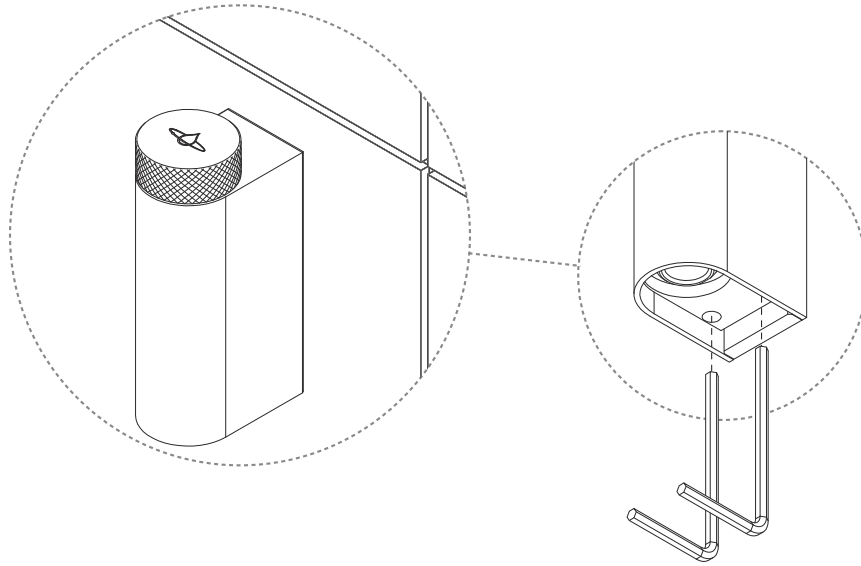


5. Loosen the screws on the bottom to release the diverter.

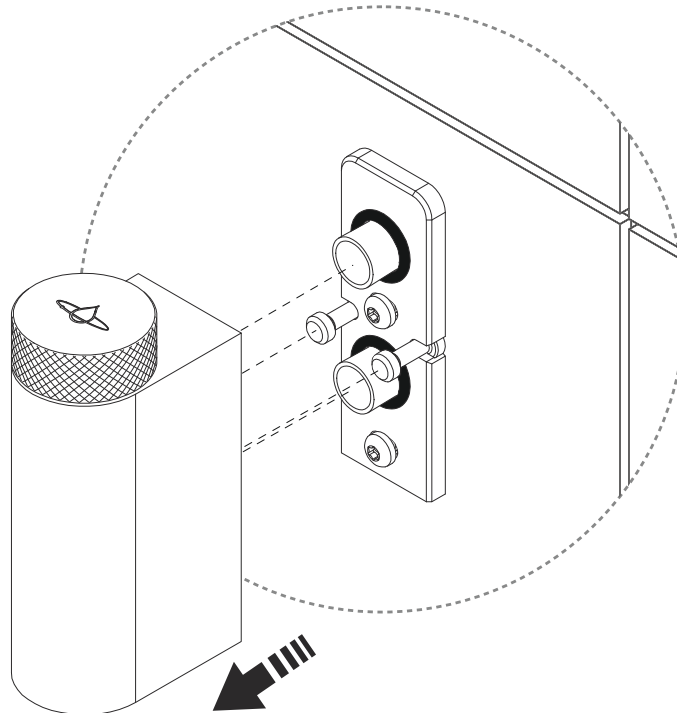


CAUTION

Hold the diverter to minimize the risk of falling.



6. Loosen the diverter body.

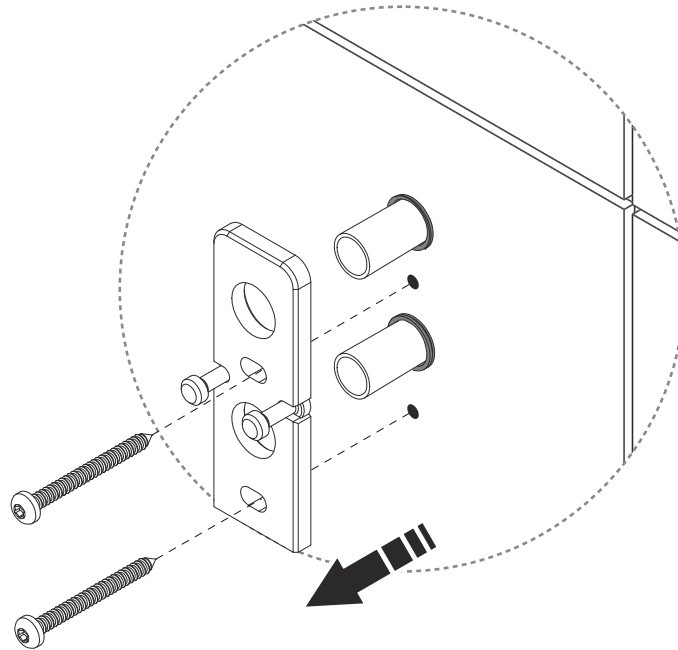


7. Screw down the wall plate.

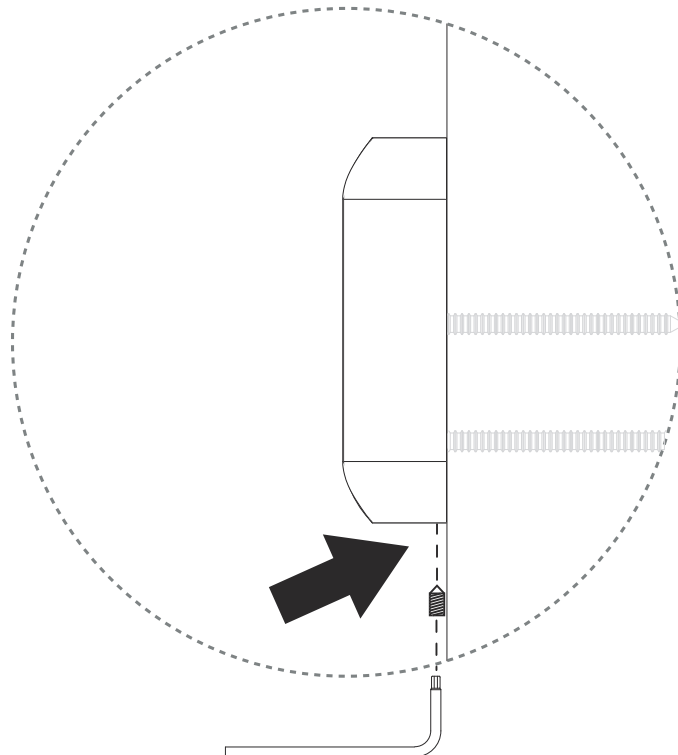


NOTE

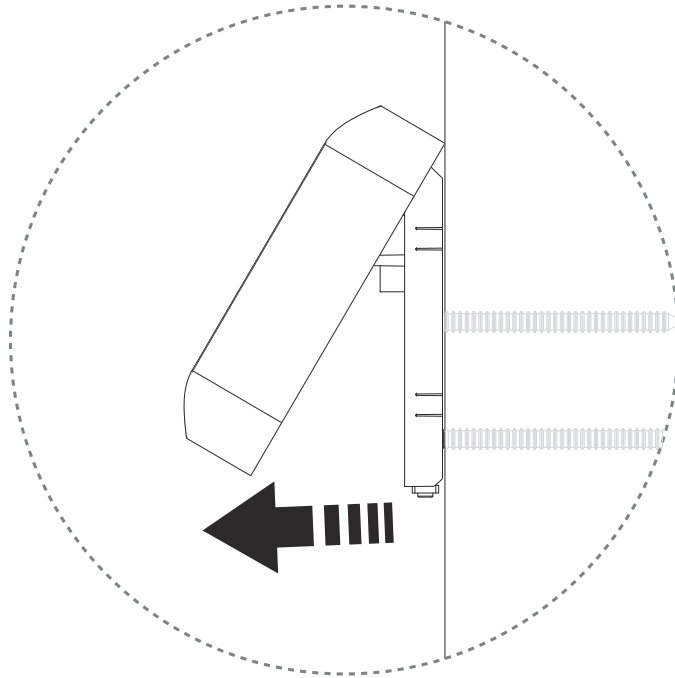
If the wall plate is undamaged, it should be reused and does not need to be dismantled, unless otherwise specified in the work order. This step and steps 4-5 under "Install external components" only apply when replacing the wall plate.



8. Unscrew the hand shower holder. The screw is on the underside.



9. Loosen the sleeve.

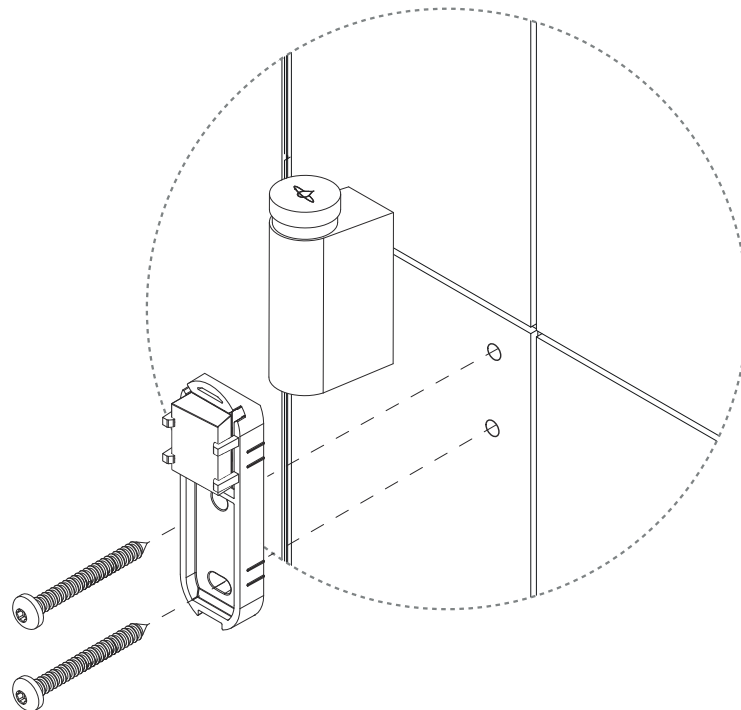


10. Screw down the wall plate.



NOTE

If the wall plate is undamaged, it should be reused and does not need to be dismantled unless otherwise specified in the work order. Therefore, this step and steps 7-8 under "Installing external components" only apply when replacing the wall bracket.

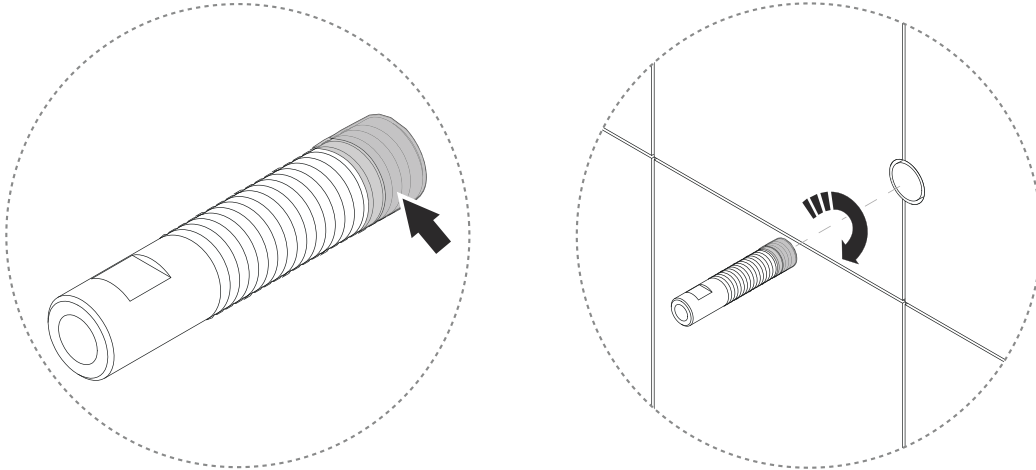


Install external components

If the threaded adapter and wall brackets are in good condition, they should be reused and do not need to be replaced unless otherwise specified in the work order.

Steps 1, 4, 5, 7 and 8 only apply when replacing these parts.

1. Fit the threaded adapter. Cover the end with thread sealant to prevent leakage.

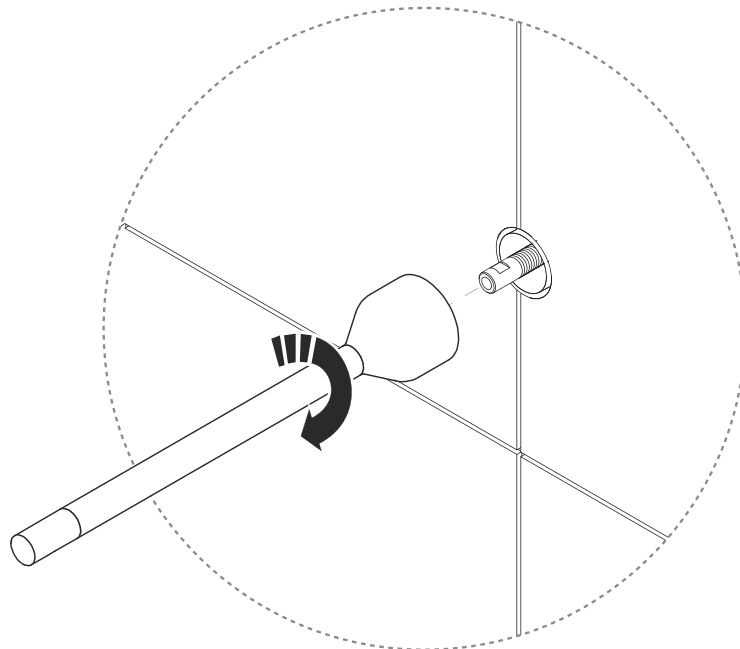


2. Install the shower arm.

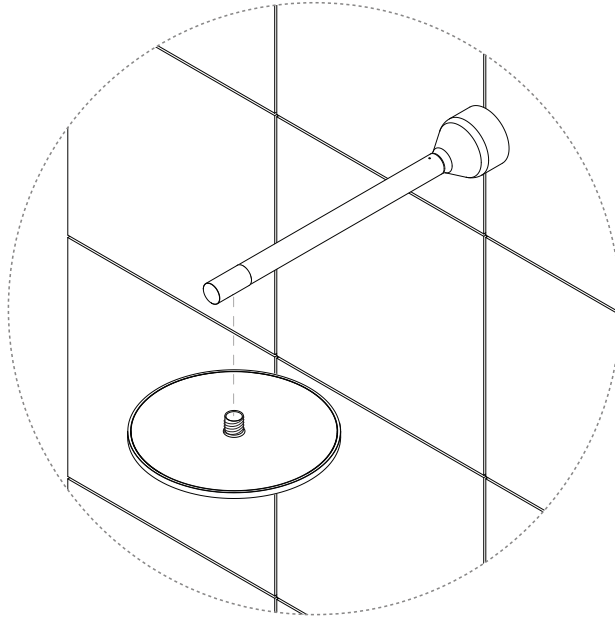


CAUTION

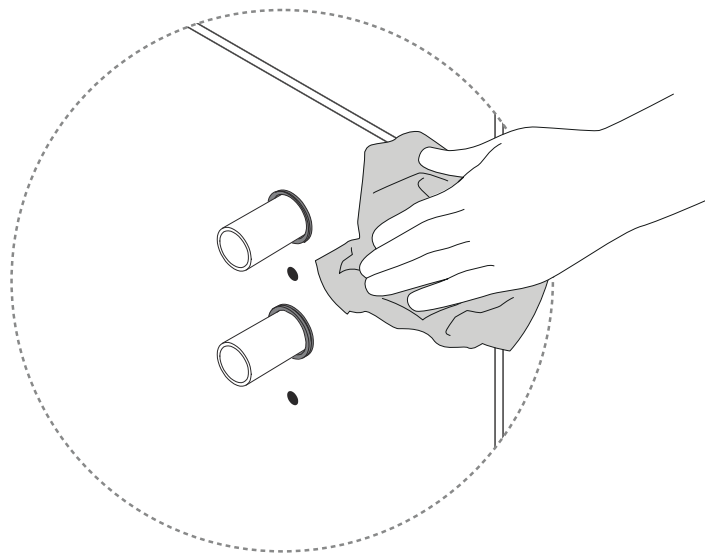
Apply fitting grease to the end of the PEX pipe.



-
3. Check that the gasket is in place and fit the shower head.



-
4. Clean the surface behind the diverter wall plate.

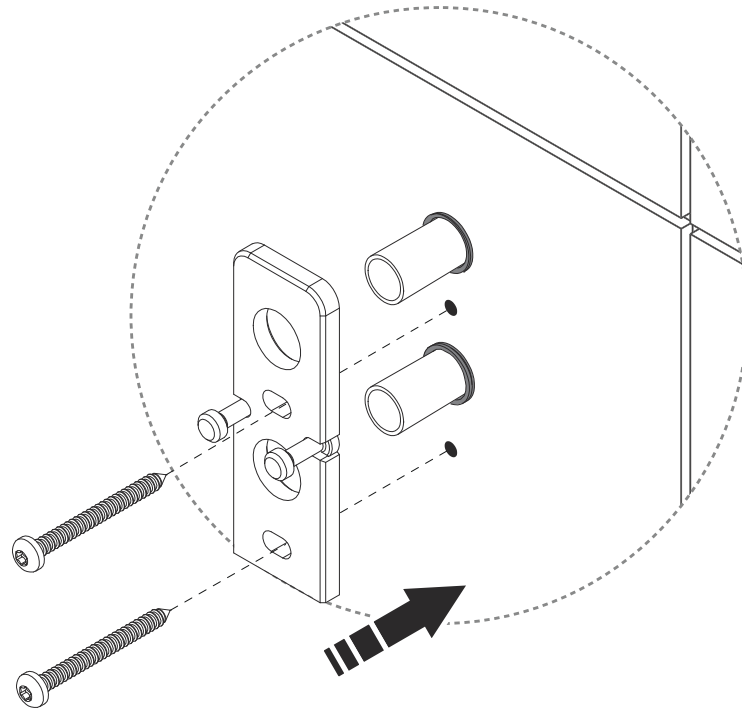


5. Fit the new wall plate.



CAUTION

Fill the holes with wet room silicone. The mount must be horizontal.

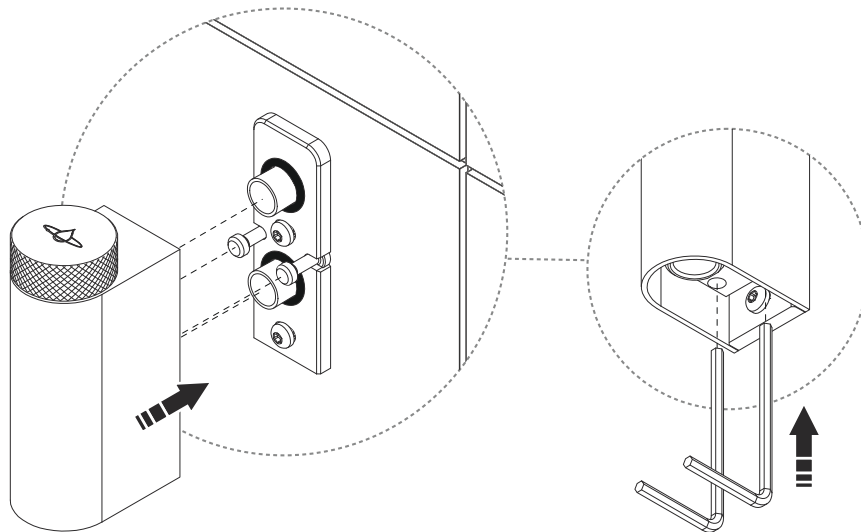


6. Mount the diverter body on the wall bracket by tightening the screws on the underside.

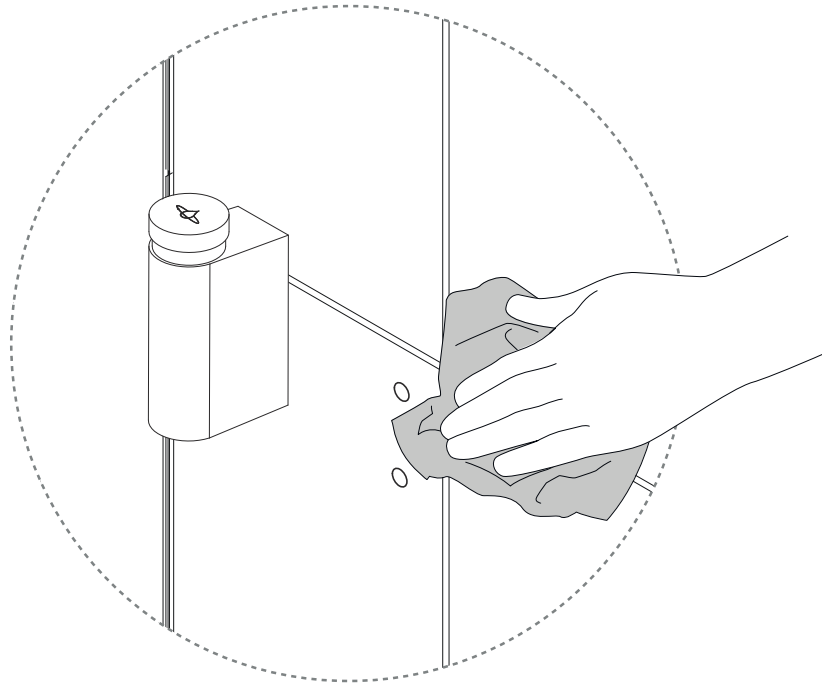


CAUTION

Apply fixture grease to the o-rings.



-
7. Clean the surface under the wall plate.

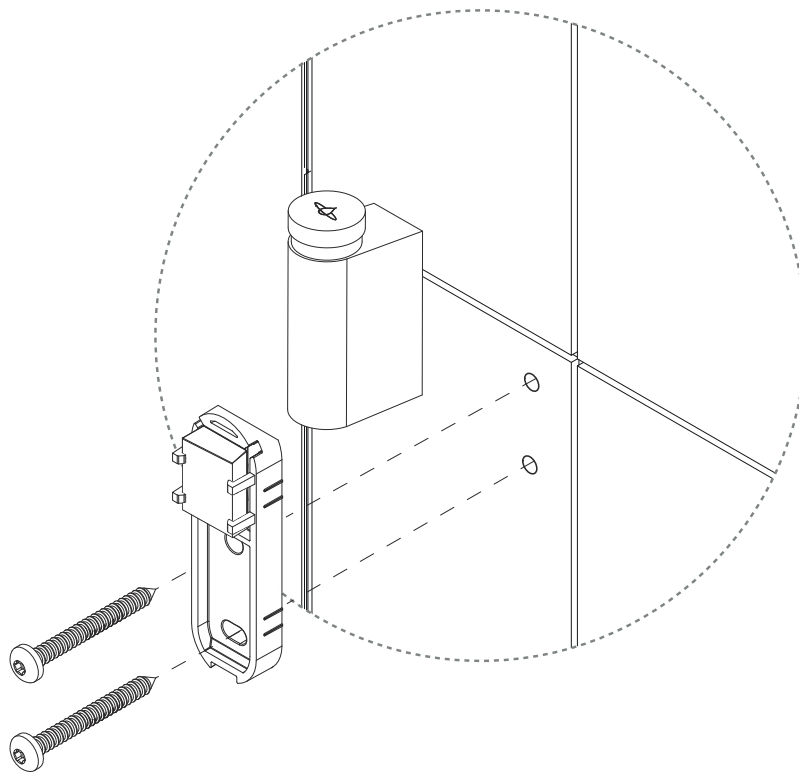


-
8. Install the new wall bracket.

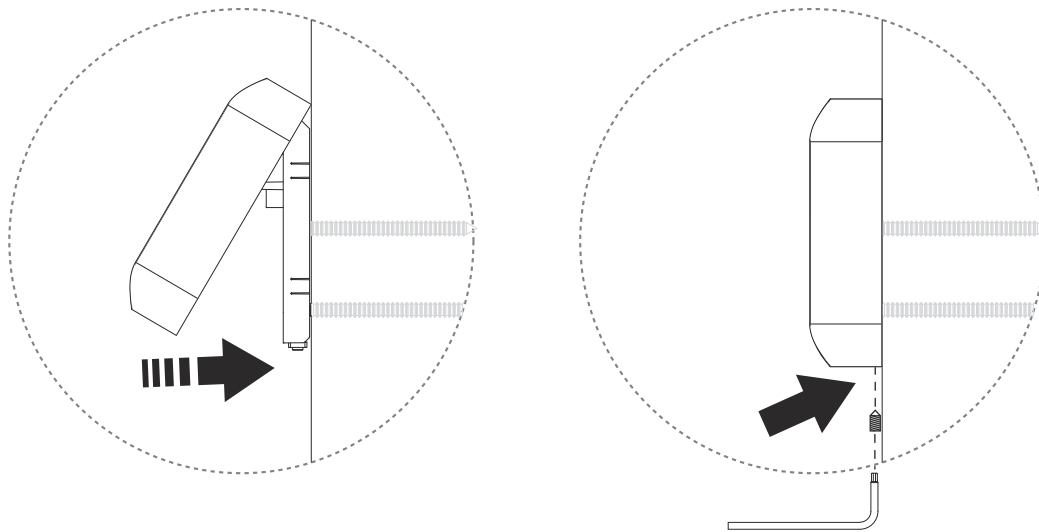


CAUTION

Fill the holes with wet room silicone. The bracket must be mounted horizontally.



-
9. Mount the hand shower holder on the wall bracket. The screw must not be overtightened.

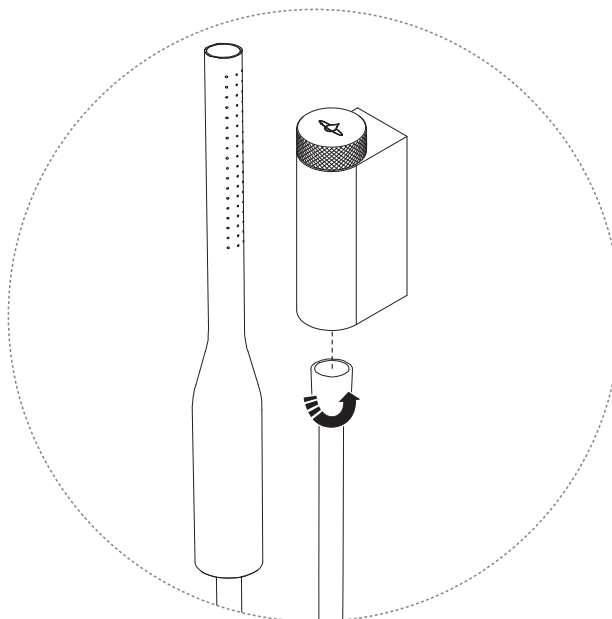


10. Install the hand shower hose.

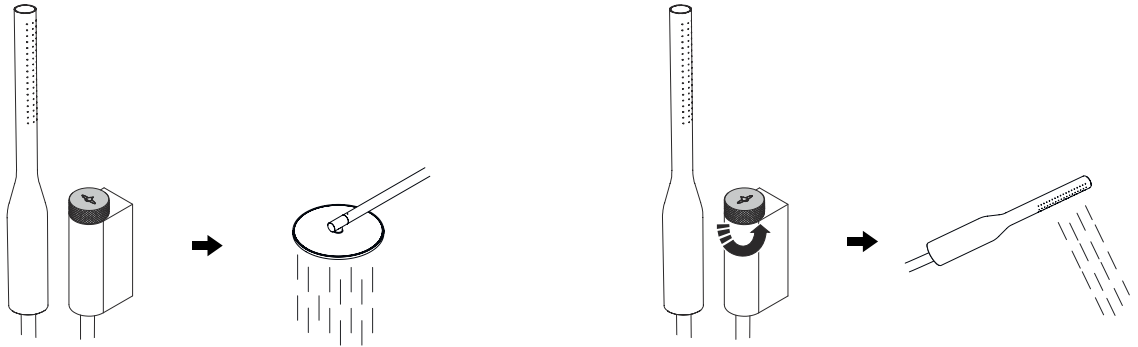


CAUTION

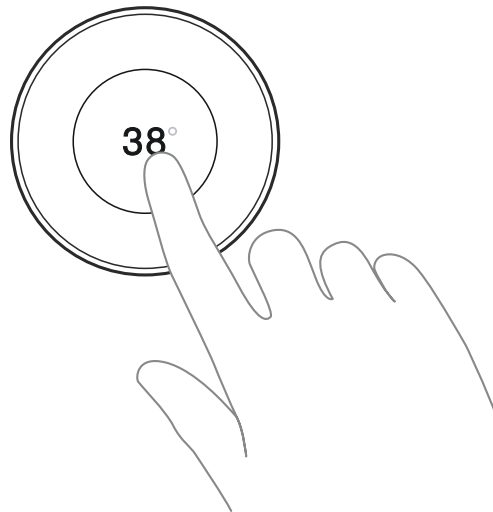
Make sure the gasket is in good condition and has no damage.



-
- 11.** Start the shower and let it run for a while. Switch between the head shower and hand shower, and ensure there is no leakage between:
- **a)** Hand shower hose and diverter
 - **b)** Wall and shower arm
 - **c)** Head shower and shower arm
 - **d)** Diverter and wall plate



-
- 12.** Turn off the shower.



-
- 13.** Recycle the parts and components that should not be reused. ♻️

13. Swap external components - 60 CC

This instruction shows how to swap the diverter (60 CC version), head- and hand shower. Follow the instructions in detail, and don't hesitate to reach out if you have any questions - support@orbital-systems.com.

Use the kit below to swap the diverter, head shower and hand shower. These kits are available in [several color variants \[3\]](#).

1-04-0174 - Swap 60 CC diverter kit:

- Diverter body
- Diverter wall plate
- Twin washer
- 3 mm hex key tool (Allen key)
- Screw, set, M6 x 8
- Screw ST4.2 x 50mm A2, TX 20
- Screw ST4.2 x 45mm A2, TX 20
- Screw ST4.2 x 38mm A2, TX 20

1-04-0178 - Swap head shower kit:

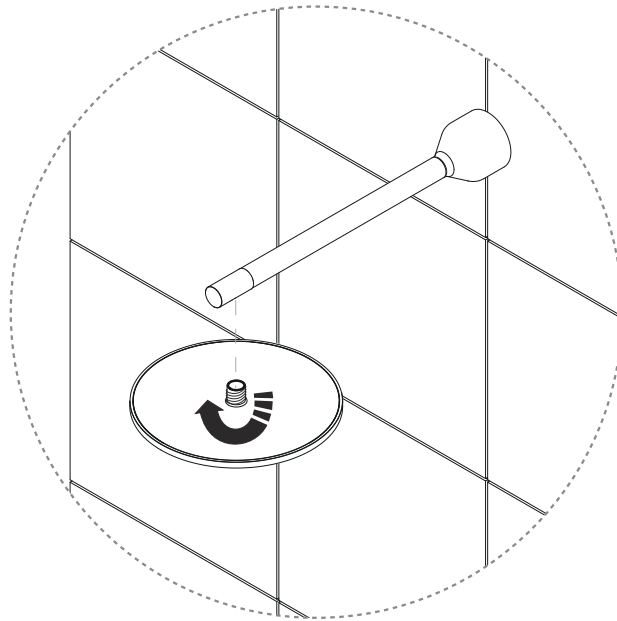
- Shower head
- Head shower arm
- Threaded adapter

1-04-0177 - Swap hand shower kit:

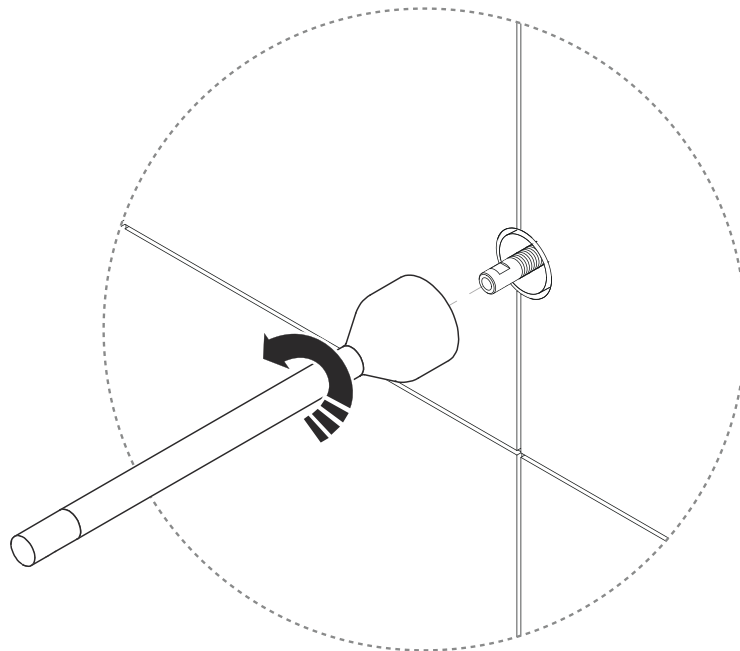
- Hand shower with hose
- Hand shower holder - wall plate
- Hand shower holder - cover
- 2 mm hex key tool (Allen key)
- M4x8 Set screw
- Screw ST4.2 x 50mm A2, TX 20
- Screw ST4.2 x 45mm A2, TX 20
- Screw ST4.2 x 38mm A2, TX 20

Dismantle external components

1. Unscrew the shower head.



2. Screw down the shower arm.

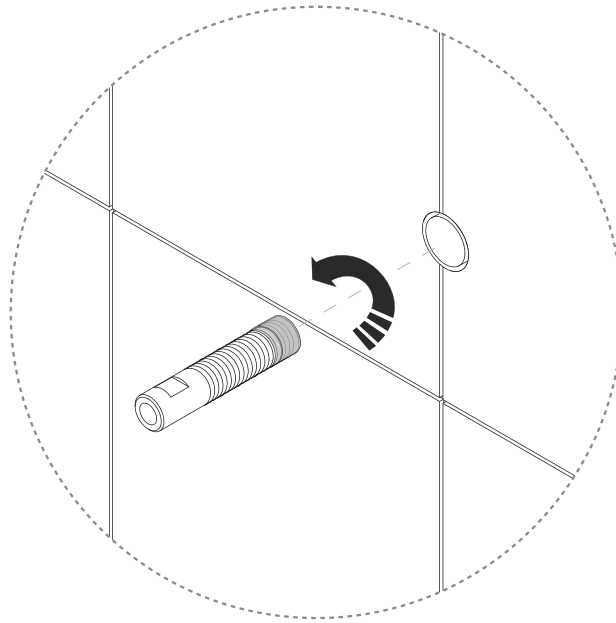


3. Screw down the threaded adapter.

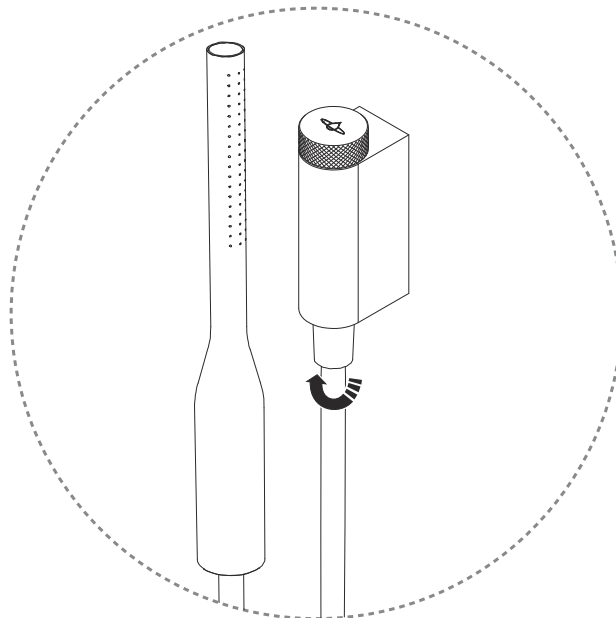


NOTE

If the threaded adapter is undamaged, it should be reused and does not need to be replaced, unless otherwise specified in the work order. This step and step 1 under "Install external components" only apply when replacing the threaded adapter.



4. Disconnect the hand shower from the diverter.

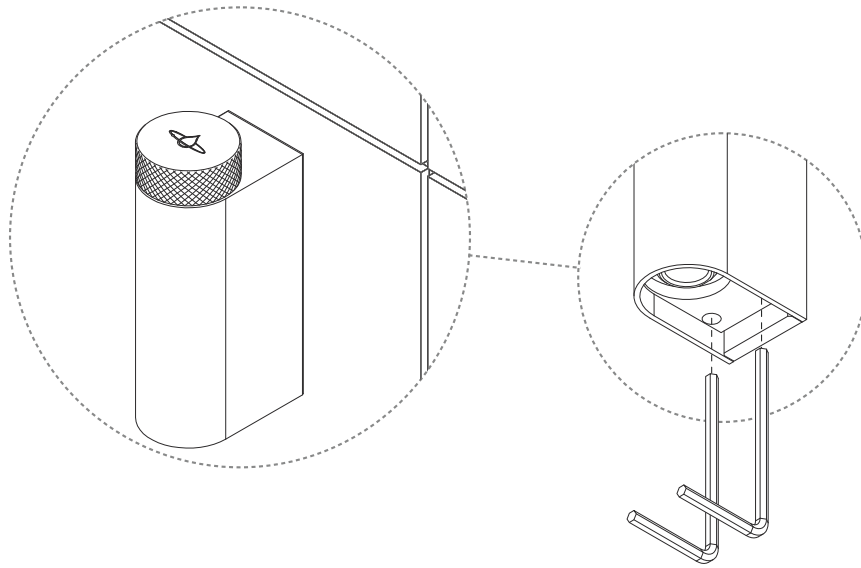


5. Loosen the screws on the bottom to release the diverter.

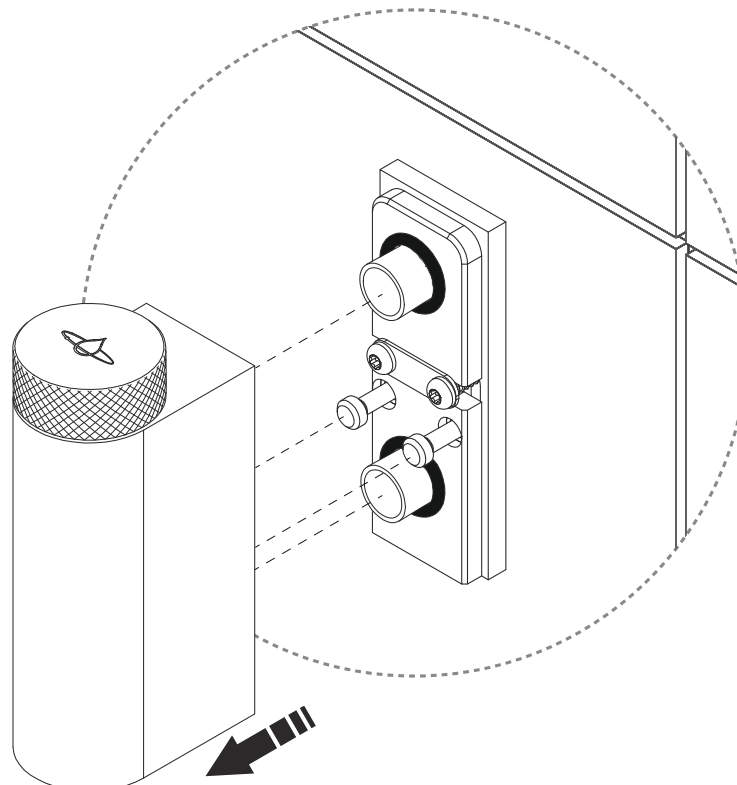


CAUTION

Hold the diverter to minimize the risk of falling.



6. Loosen the diverter body.

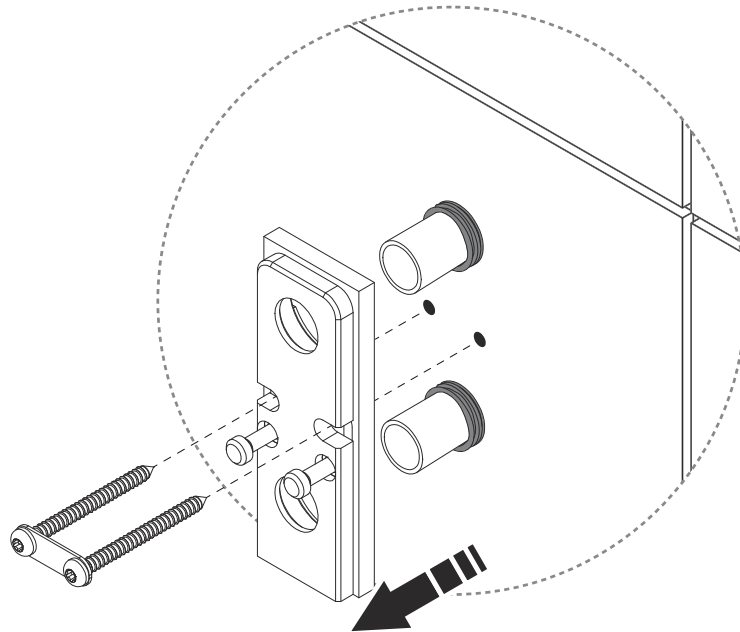


7. Screw down the wall plate.

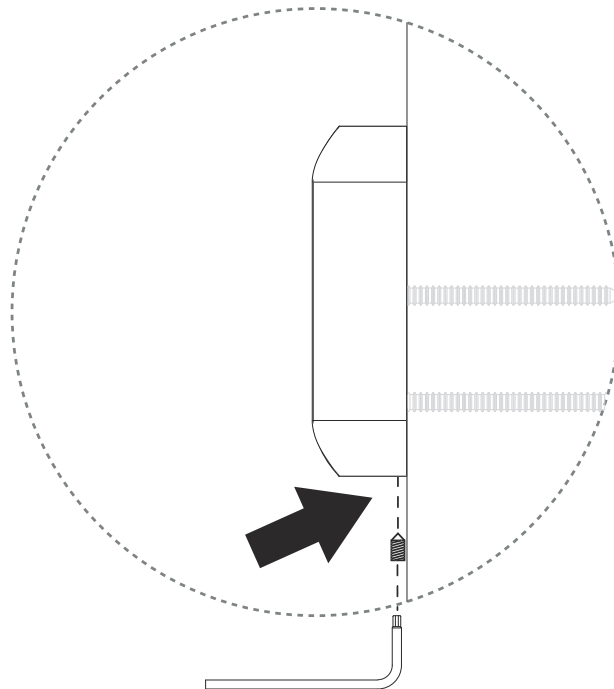


NOTE

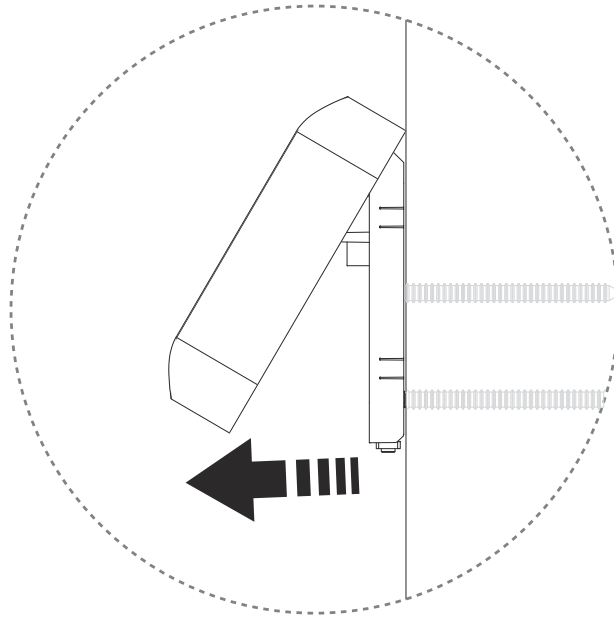
If the wall plate is undamaged, it should be reused and does not need to be dismantled, unless otherwise specified in the work order. This step and steps 4-5 under "Install external components" only apply when replacing the wall plate.



8. Unscrew the hand shower holder. The screw is on the underside.



9. Loosen the sleeve.

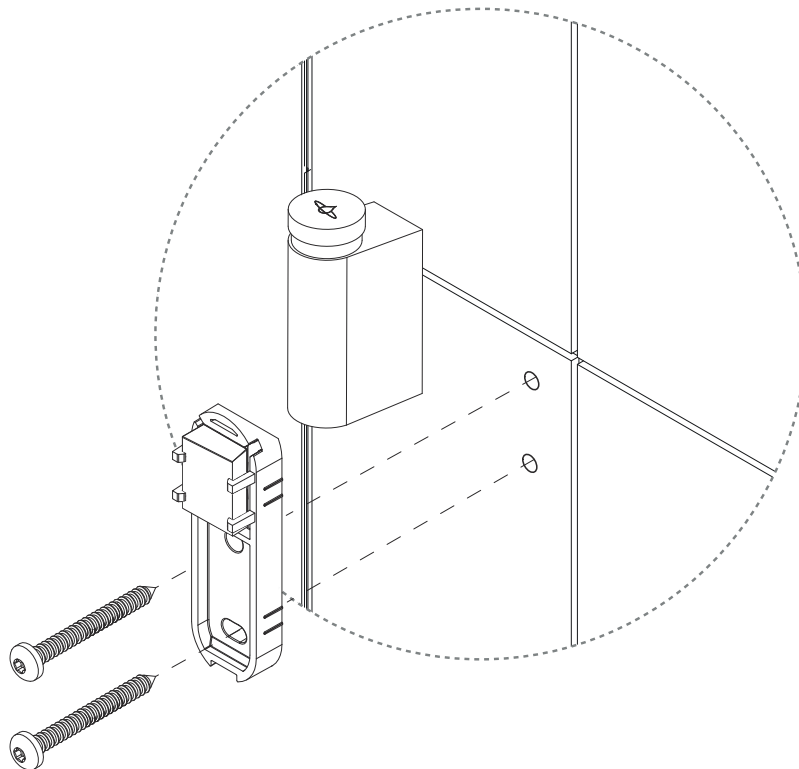


10. Screw down the wall plate.



NOTE

If the wall plate is undamaged, it should be reused and does not need to be dismantled unless otherwise specified in the work order. Therefore, this step and steps 7-8 under "Installing external components" only apply when replacing the wall bracket.

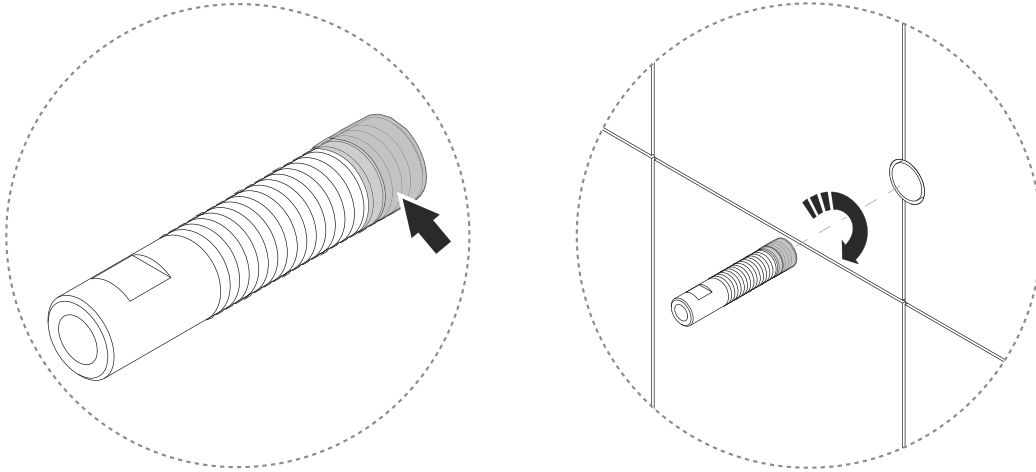


Install external components

If the threaded adapter and wall brackets are in good condition, they should be reused and do not need to be replaced unless otherwise specified in the work order.

Steps 1, 4, 5, 7 and 8 only apply when replacing these parts.

1. Fit the threaded adapter. Cover the end with thread sealant to prevent leakage.

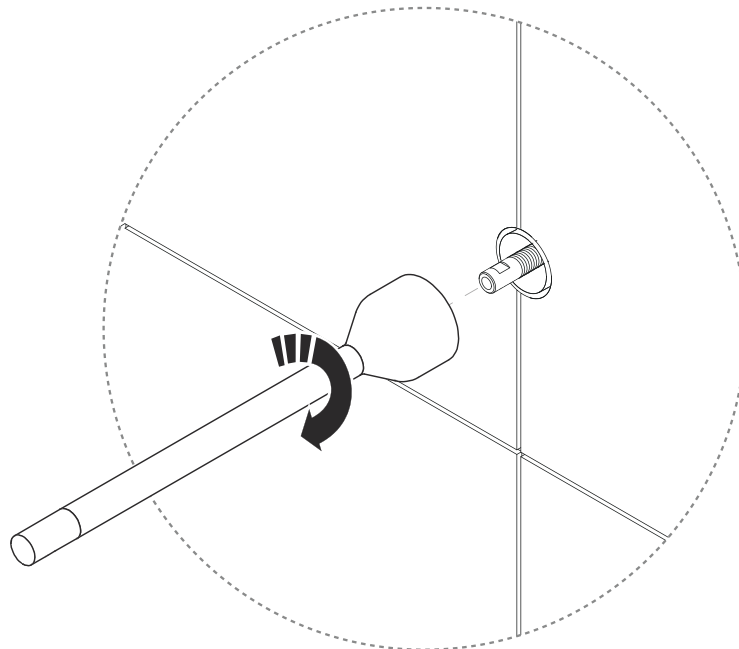


2. Install the shower arm.

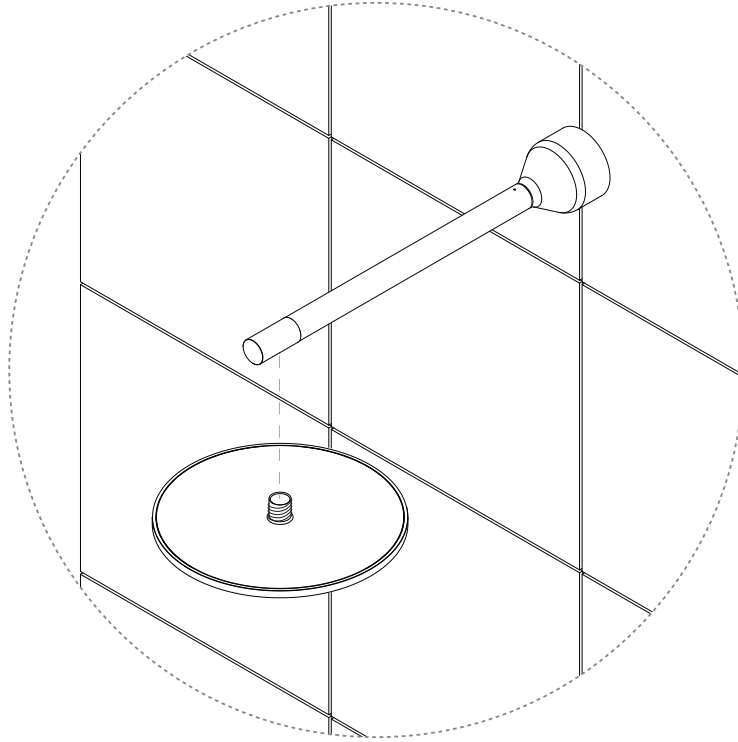


CAUTION

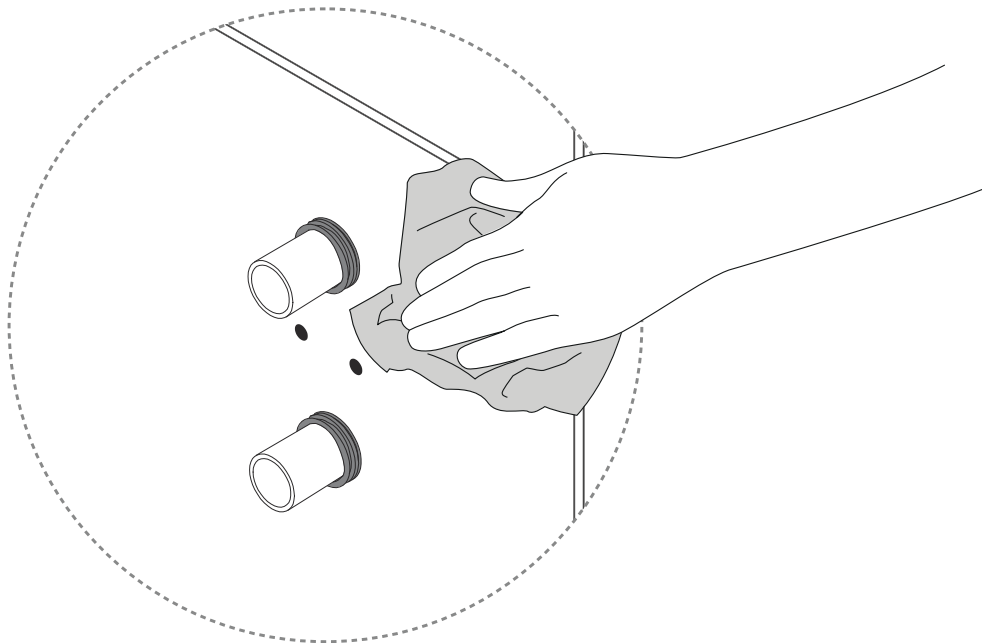
Apply fitting grease to the end of the PEX pipe.



-
3. Check that the gasket is in place and fit the shower head.



-
4. Clean the surface behind the diverter wall plate.

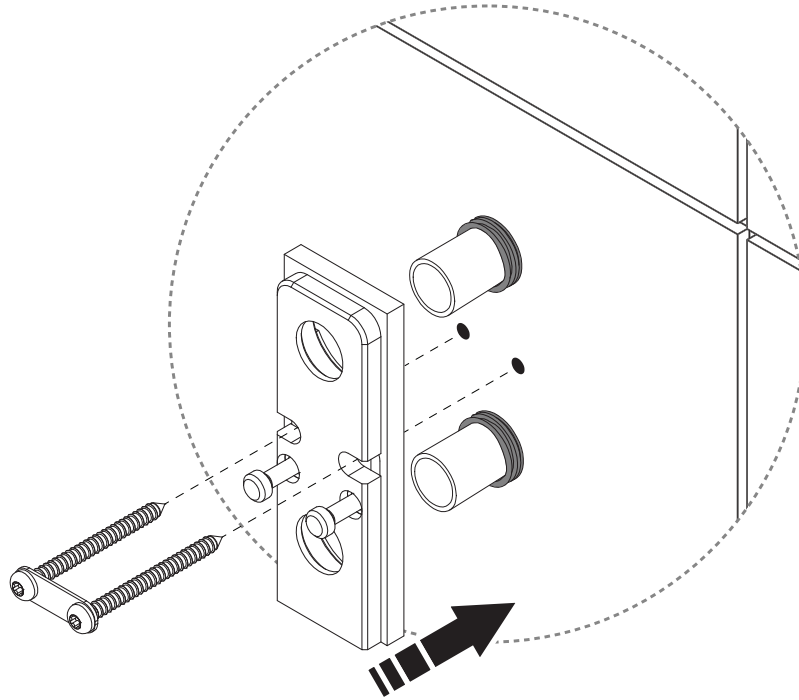


5. Fit the new wall plate.



CAUTION

Fill the holes with wet room silicone. The mount must be horizontal.

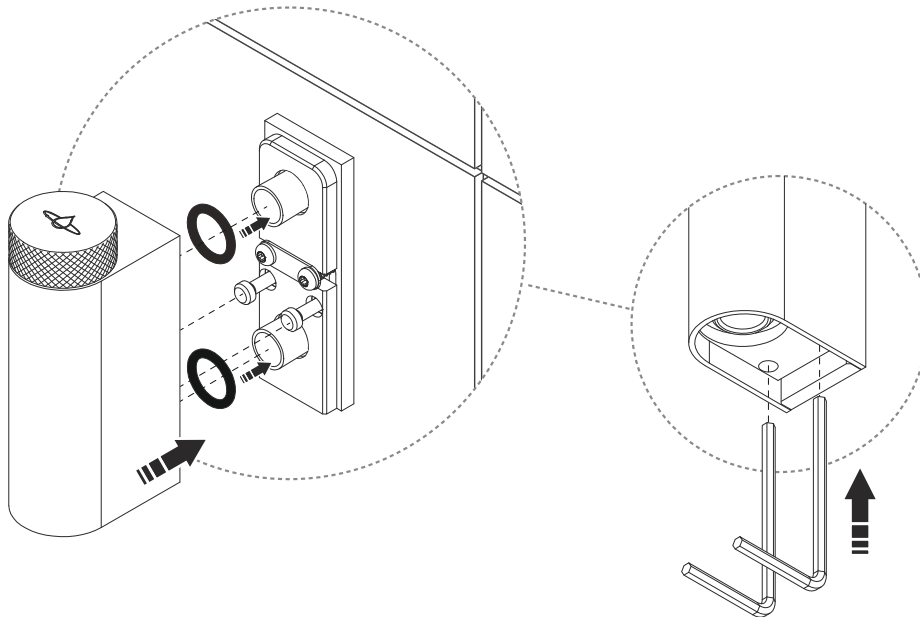


6. Mount the diverter body on the wall bracket by tightening the screws on the underside.

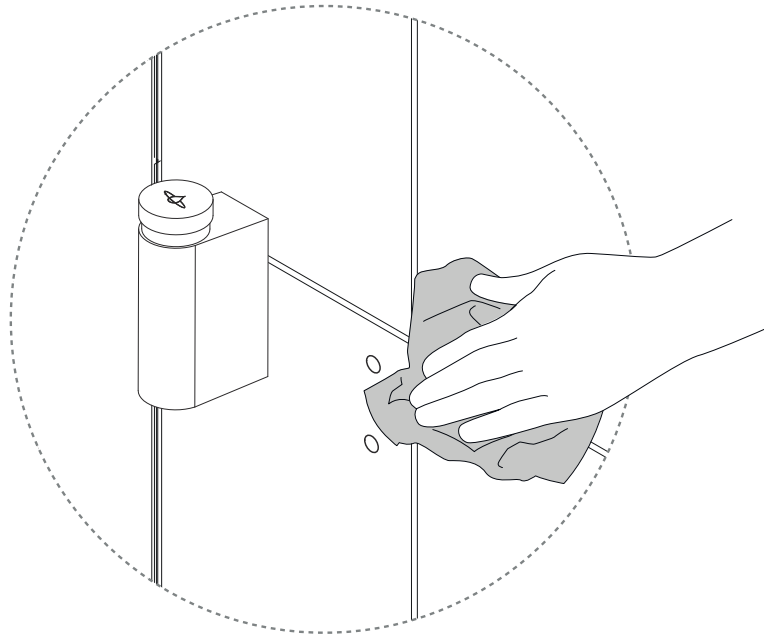


CAUTION

Apply fixture grease to the o-rings.



7. Clean the surface under the wall plate.

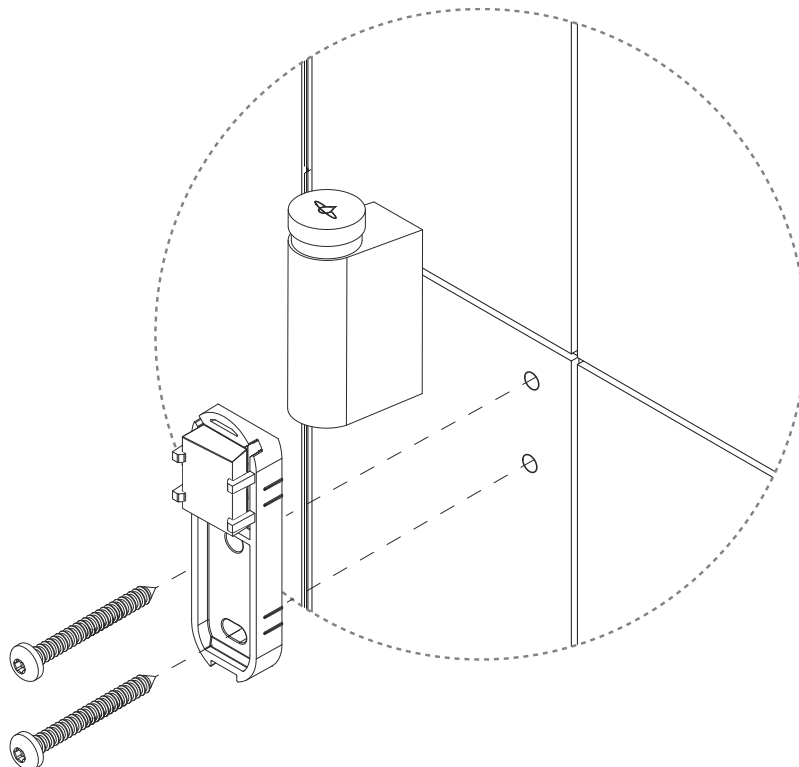


8. Install the new wall bracket.

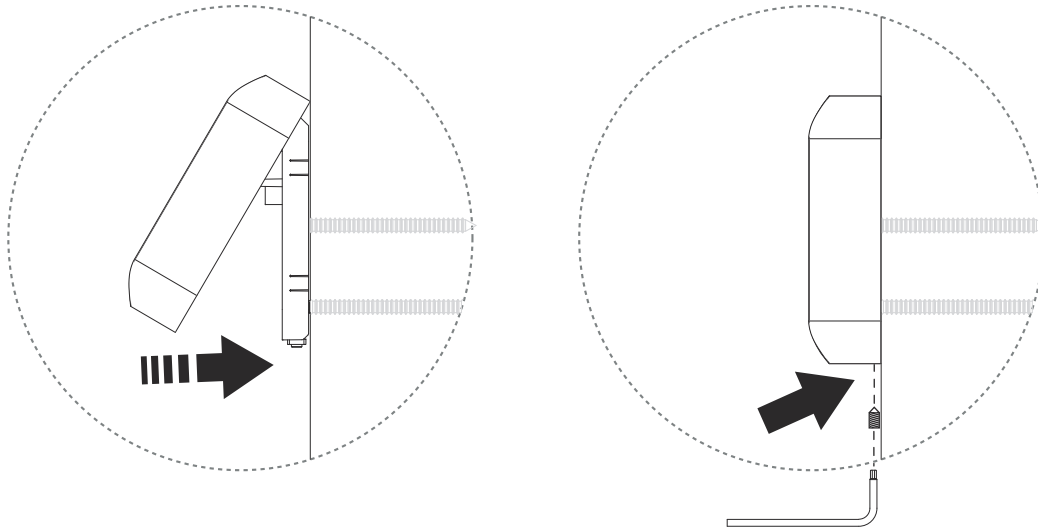


CAUTION

Fill the holes with wet room silicone. The bracket must be mounted horizontally.



-
9. Mount the hand shower holder on the wall bracket. The screw must not be overtightened.

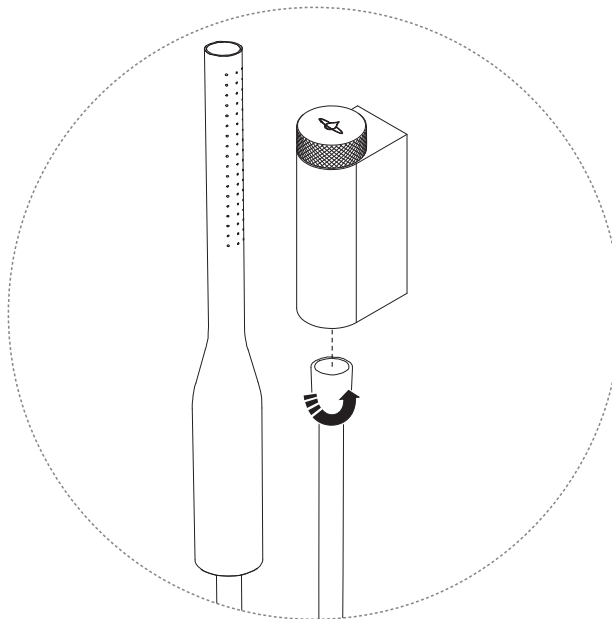


10. Install the hand shower hose.

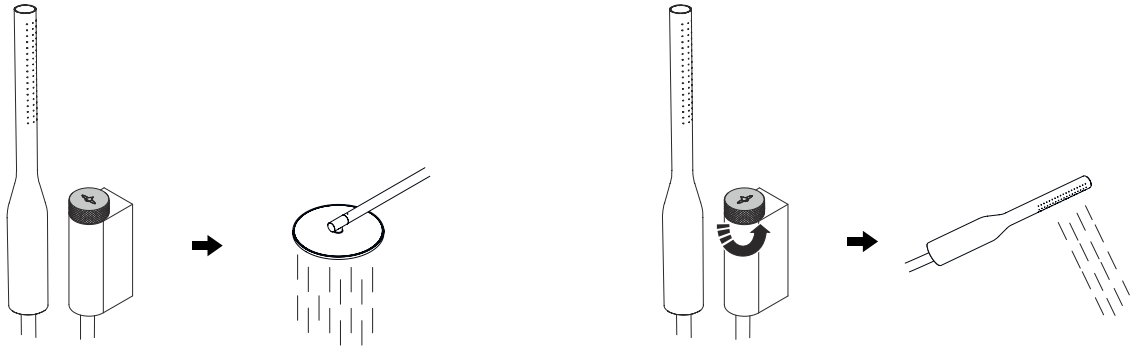


CAUTION

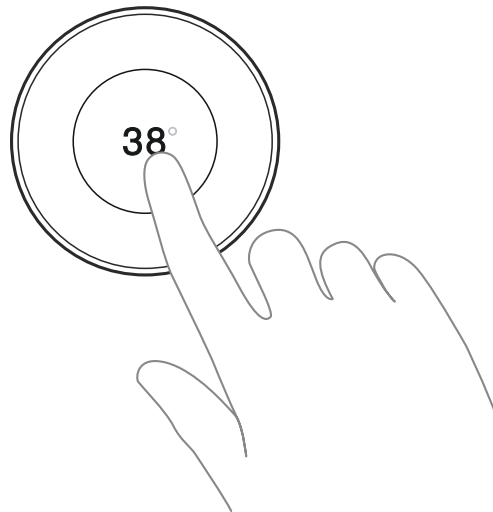
Make sure the gasket is in good condition and has no damage.



-
- 11.** Start the shower and let it run for a while. Switch between the head shower and hand shower, and ensure there is no leakage between:
- **a)** Hand shower hose and diverter
 - **b)** Wall and shower arm
 - **c)** Head shower and shower arm
 - **d)** Diverter and wall plate



-
- 12.** Turn off the shower.



-
- 13.** Recycle the parts and components that should not be reused. ♻️

Control Dial

14. Swap Control Dial - Panel

This instruction shows how to swap the Control Dial in a Panel installation, where the Control Dial is placed on the Panel door. Follow the instructions in detail, and don't hesitate to reach out if you have any questions - support@orbital-systems.com.

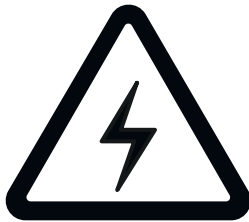
Use the kit below to swap the Control Dial. This kit is available in [several color variants \[3\]](#).

1-04-0175 - Swap Panel Control Dial kit:

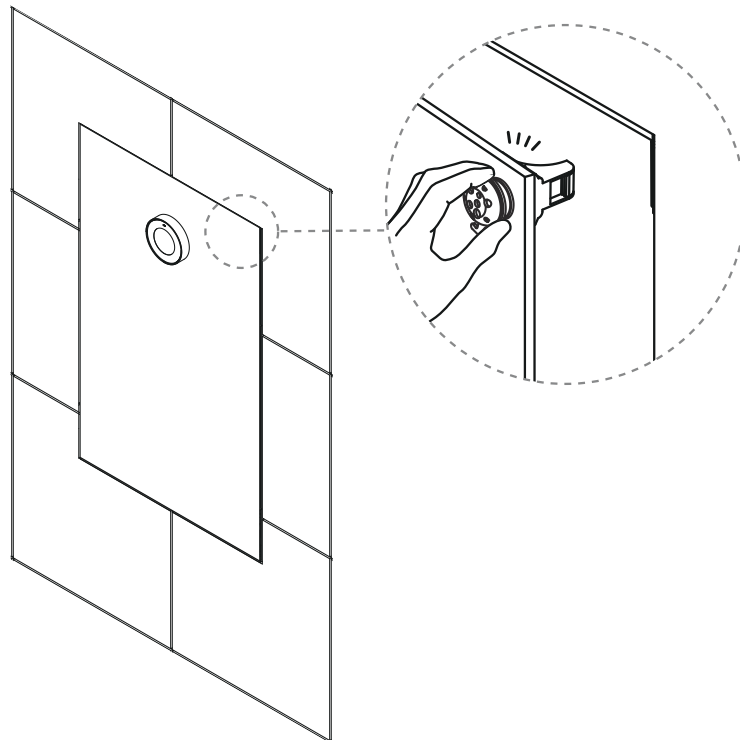
Control Dial with fixture and screws

Disassemble Control Dial

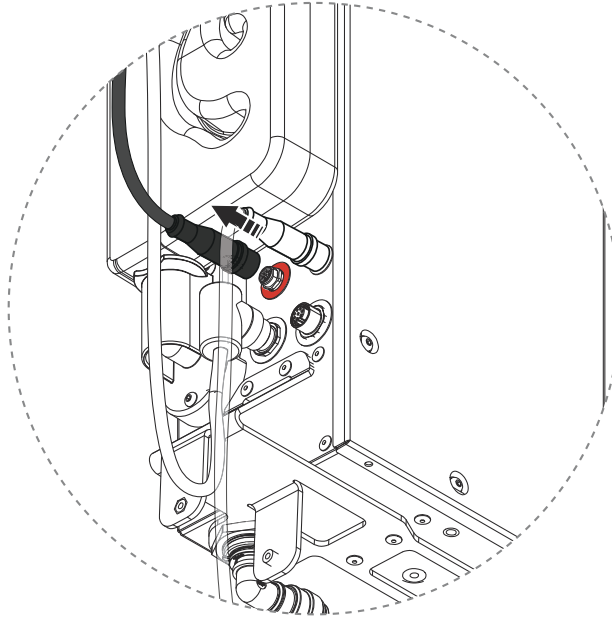
1. Turn off the power.



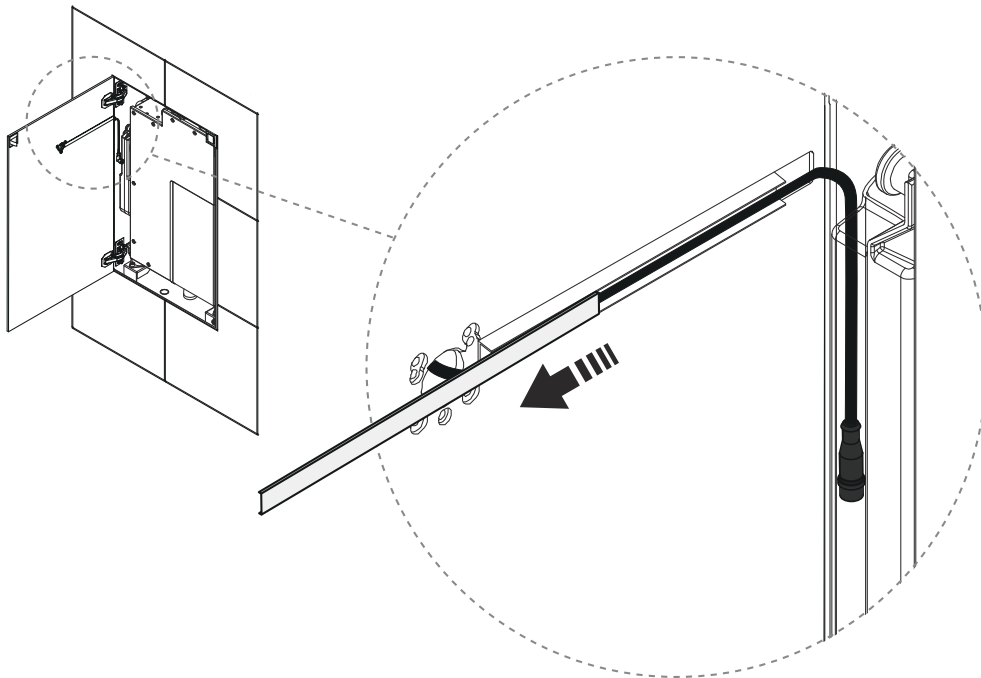
2. Open the Panel door.



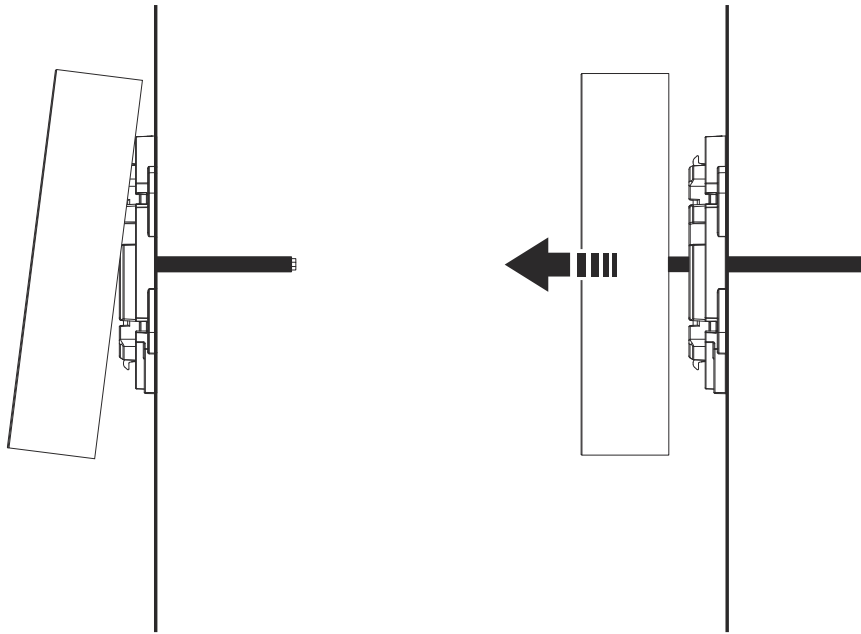
-
3. Disconnect the Control Dial from the Core (red connector).



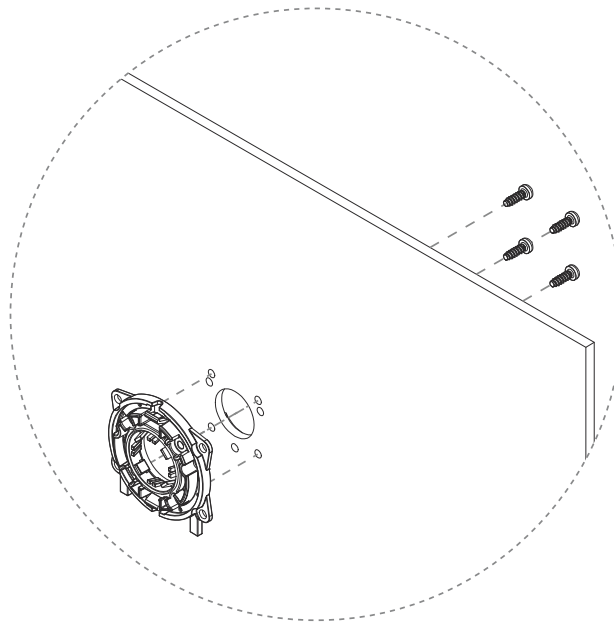
-
4. Draw the Control Dial cable from the cable channel.



-
5. Dismantle the Control Dial by clicking the lower part. Then draw the Control Dial together with the cable.

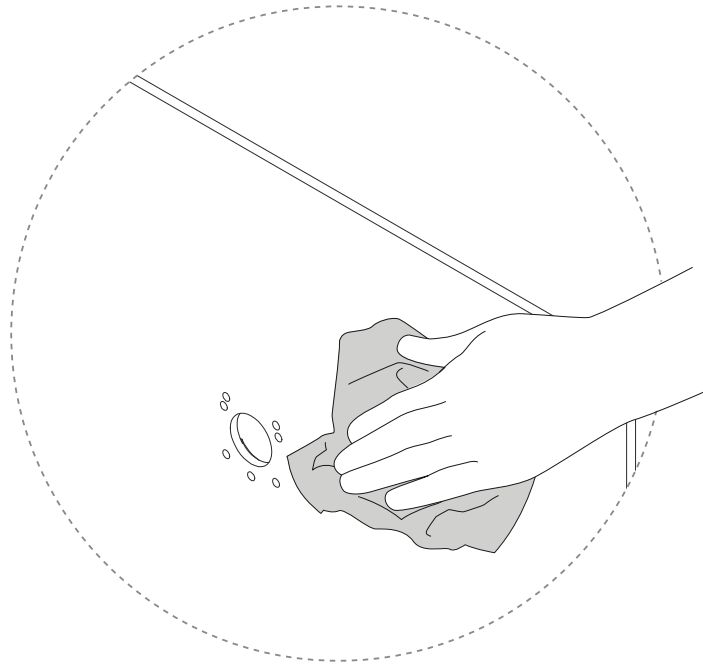


-
6. Unscrew the fixture.

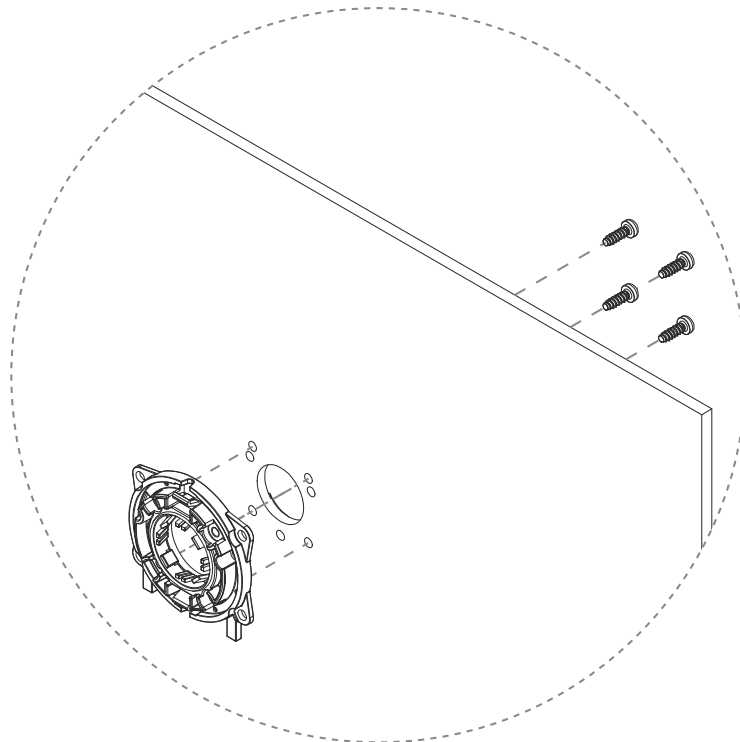


Install Control Dial

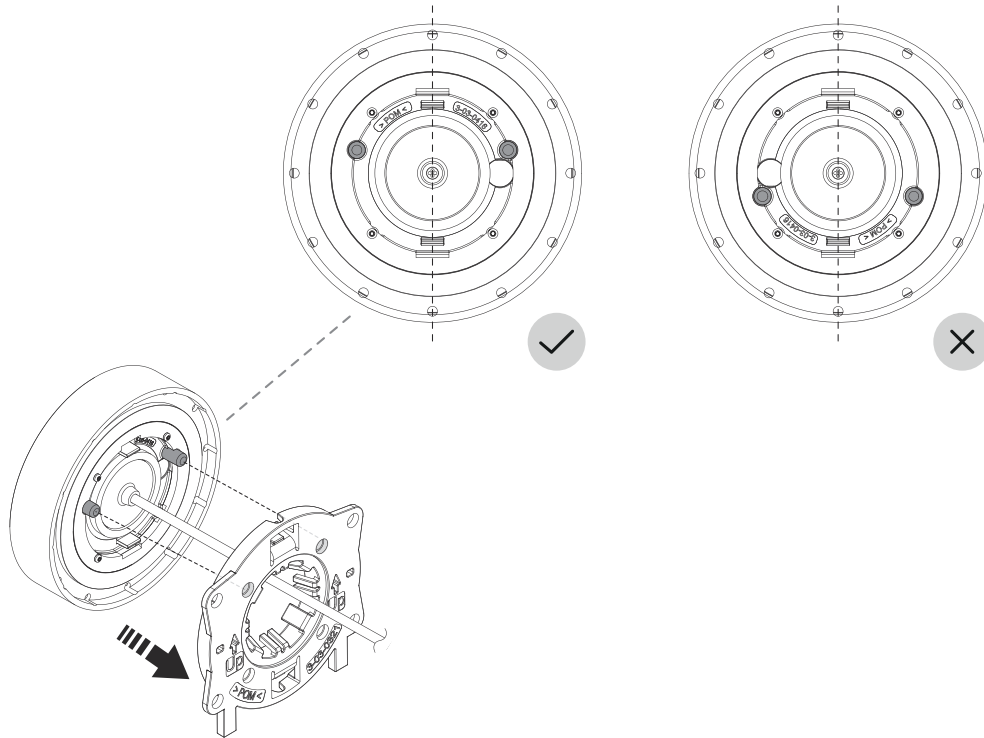
1. Clean the surface behind the fixture.



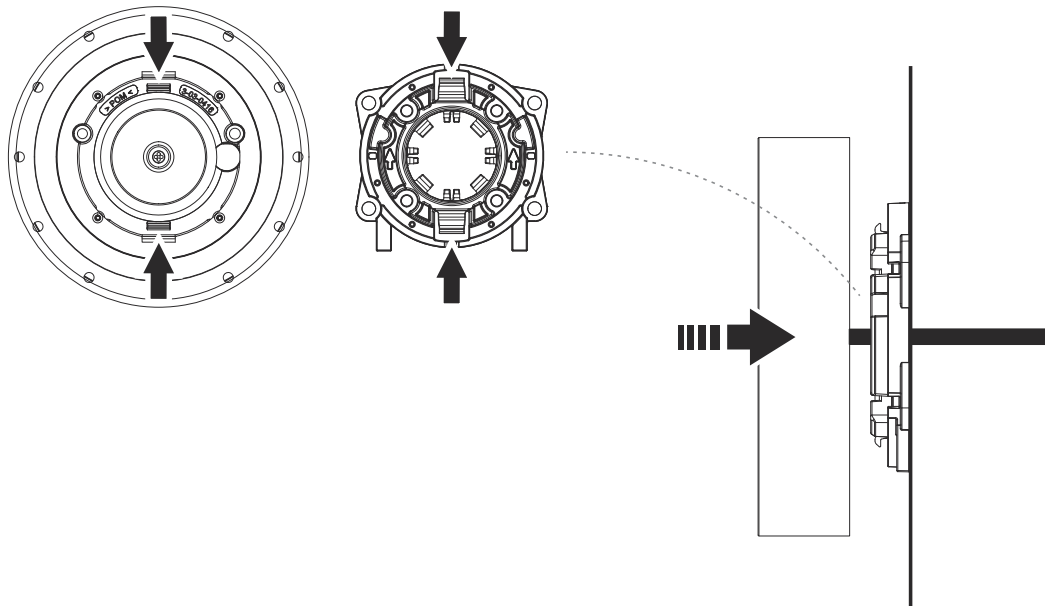
2. Mount the new fixture.



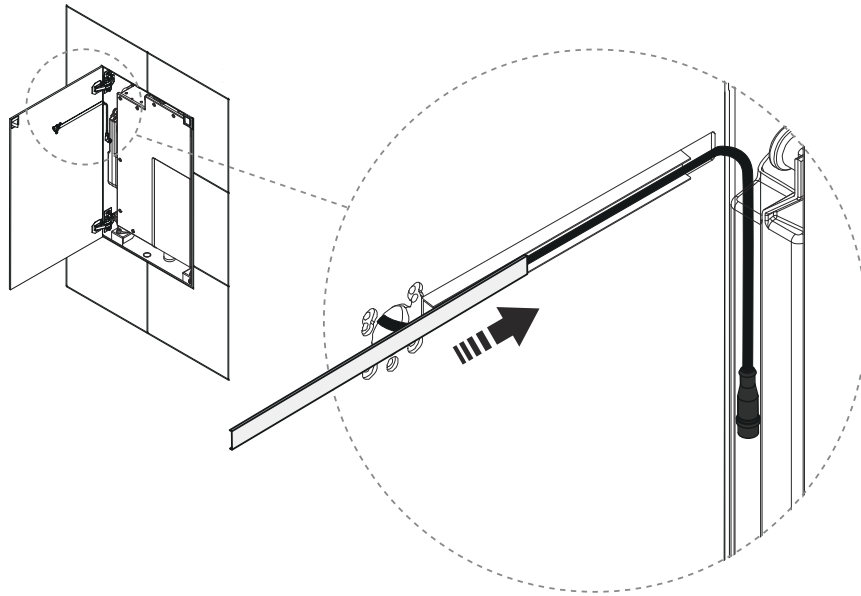
3. Position the Control Dial according to the “up mark” for mounting.



4. Attach the Control Dial by adjusting the brackets according to the arrows. Make sure it clicks when attaching.



-
5. Route the cable through the cable duct to the Core.

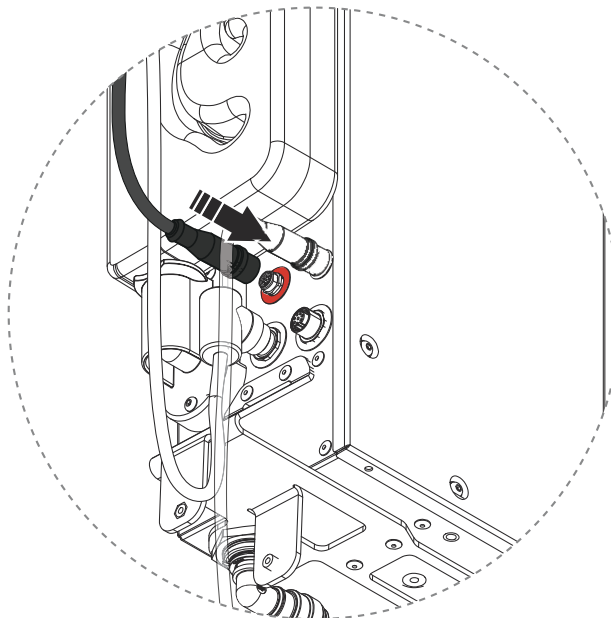


-
6. Connect the Control Dial contact to the red communication port on the Core. The connector must be tightened by hand.

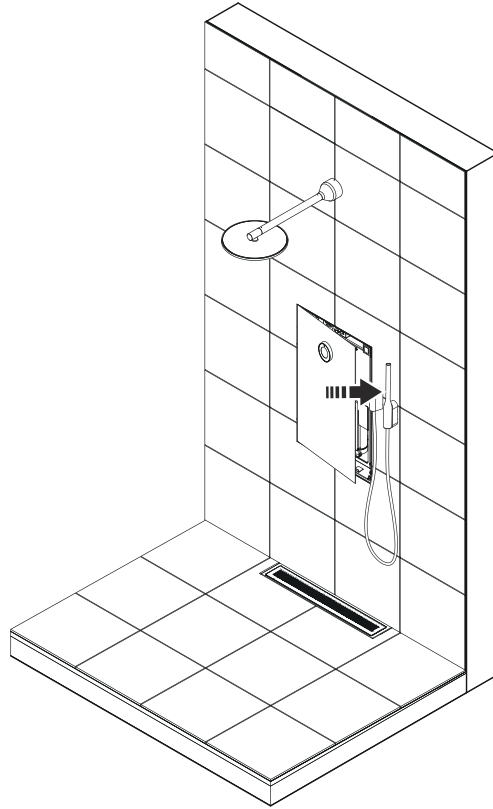


CAUTION

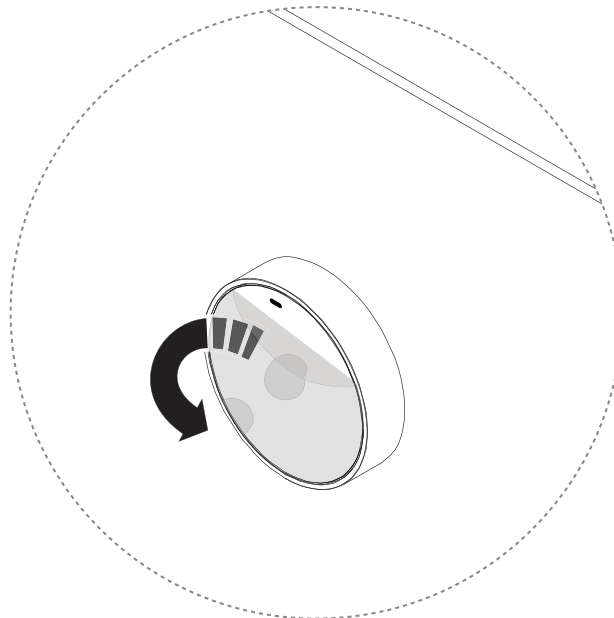
Ensure proper alignment between the connector and communication port. This must be done with special attention to prevent damage to the pins.



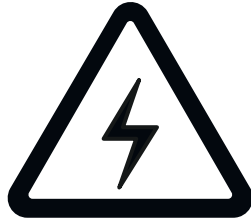
7. Close the door to the Wall Box.



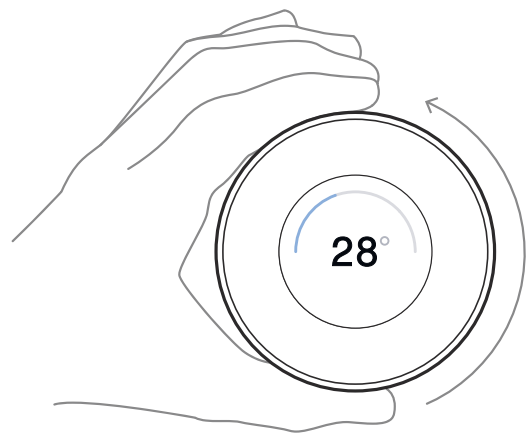
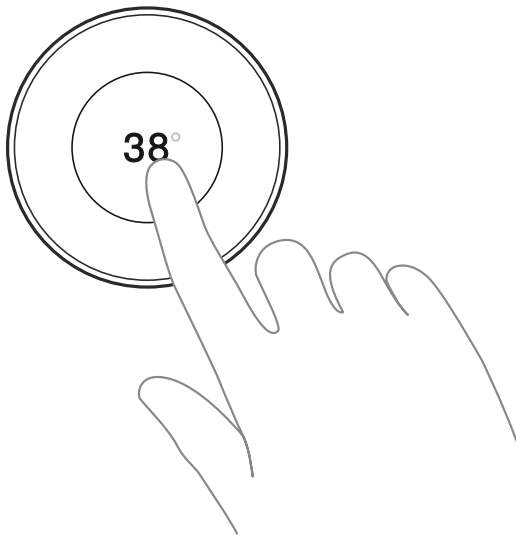
8. Remove the protective film from the Control Dial.



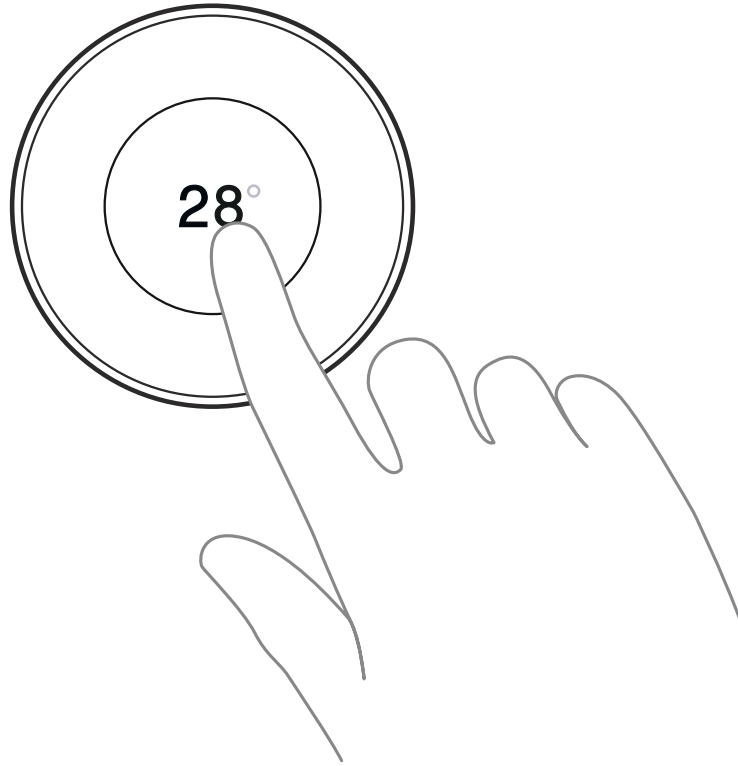
9. Turn on the power. It may take up to 3 minutes for Core to start up.



10. Validate the Control Dial change by starting the shower and changing the temperature. The numbers on the Control Dial should follow during the temperature change.



11. Turn off the shower.



12. Recycle the replaced components. ♻️

15. Swap Control Dial - Remote

This instruction shows how to swap the Control Dial in a remote installation (with shower model Hatch, Cabinet, or Basic), where the Control Dial is installed directly on the wall. Follow the instructions in detail, and don't hesitate to reach out if you have any questions - support@orbital-systems.com.

Use the kit below to swap the Control Dial. This kit is available in [several color variants](#) [3].

1-04-0176 - Swap Remote Control Dial kit:

Control Dial with fixture and screws

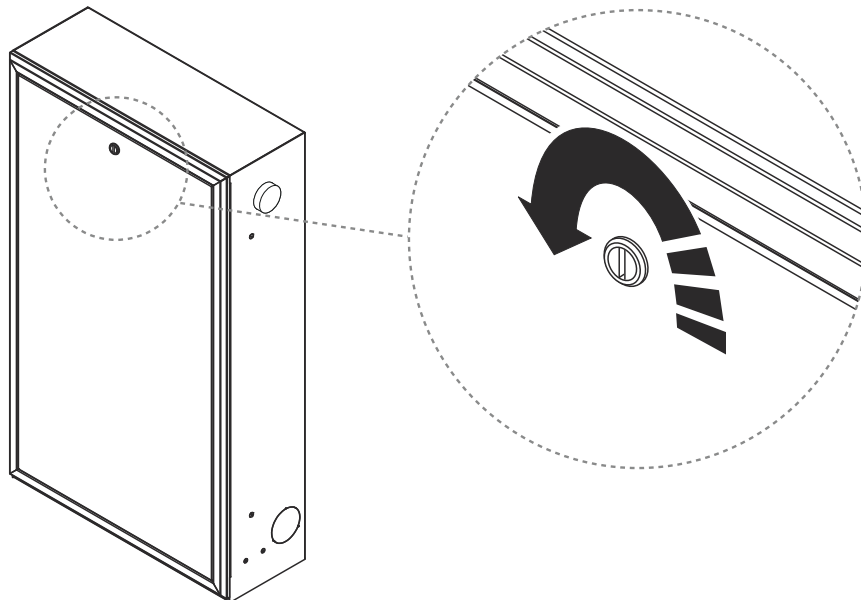
Control Dial extension cable

Disassemble Control Dial

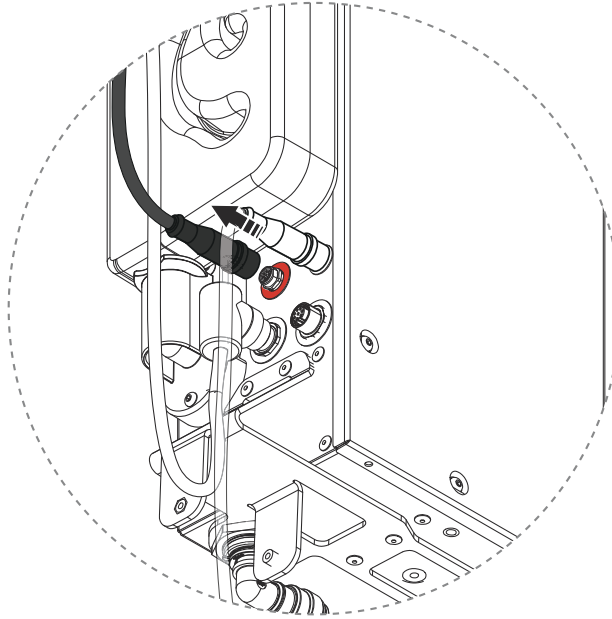
1. Turn off the power.



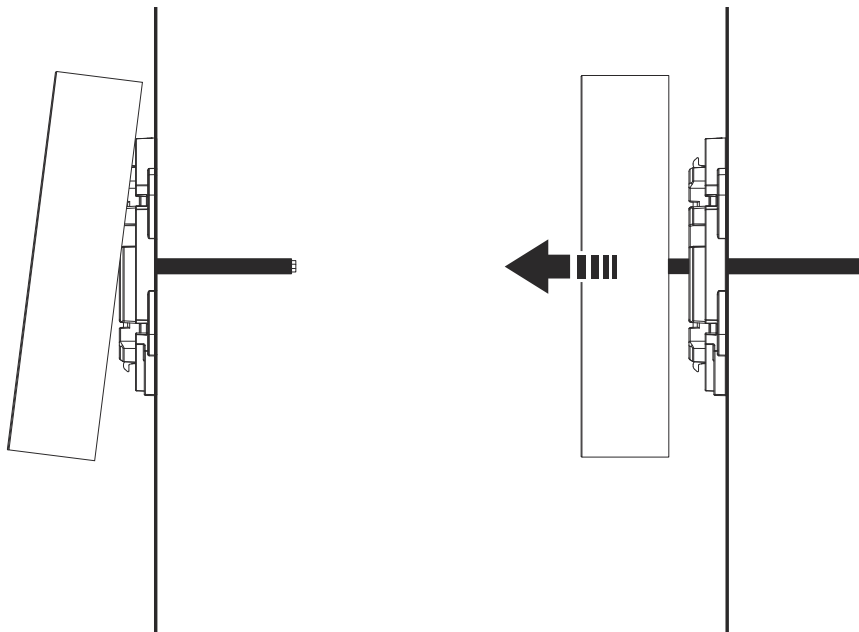
2. **When installing with a Cabinet or Hatch:** Open the door to the Wall Box and put the door and splash guards aside.



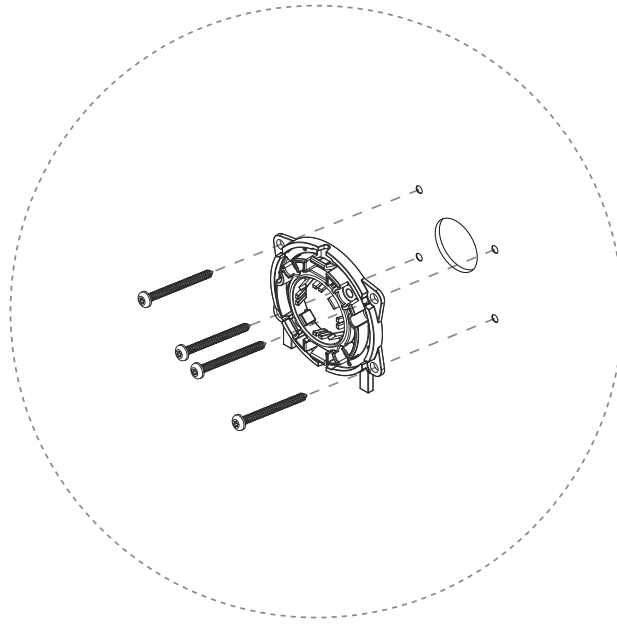
-
3. Disconnect the Control Dial from the Core (red connector).



-
4. Dismantle the Control Dial by clicking the lower part. Then draw the Control Dial together with the cable.

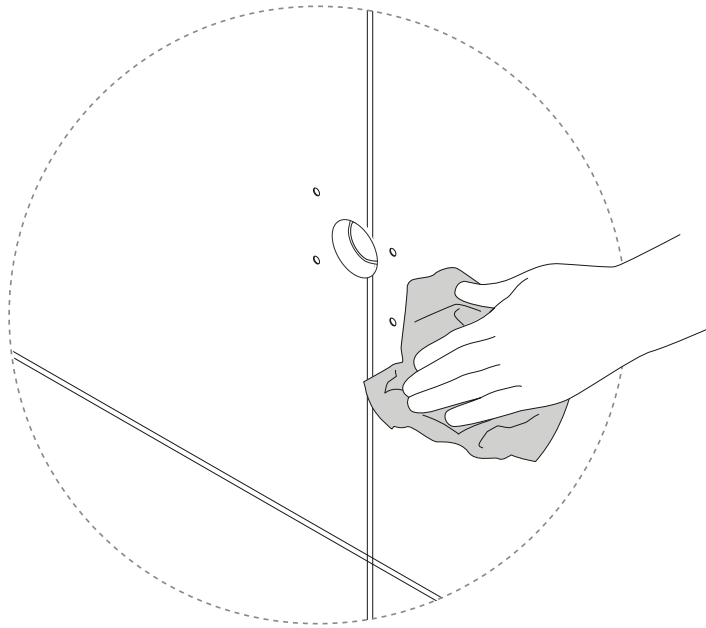


5. Unscrew the fixture.

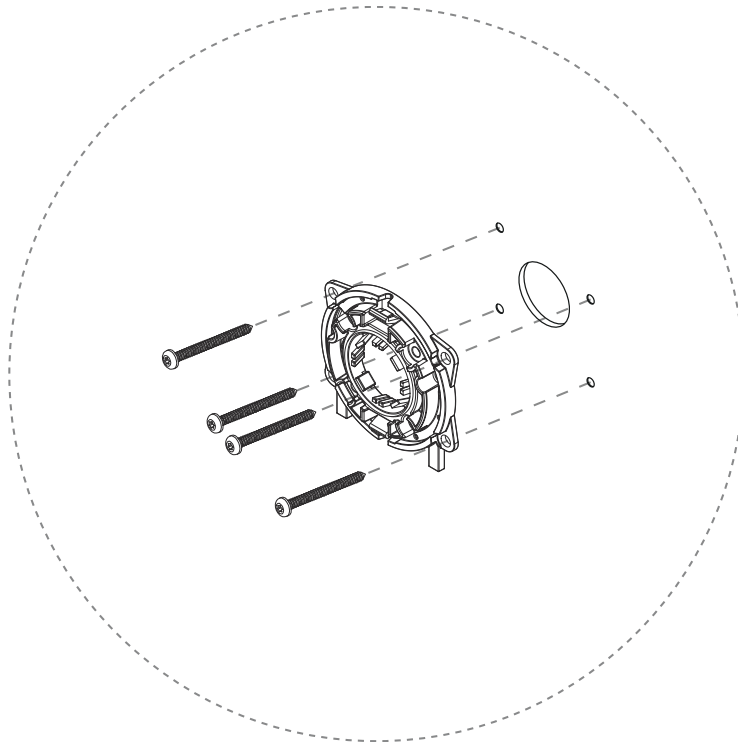


Install Control Dial

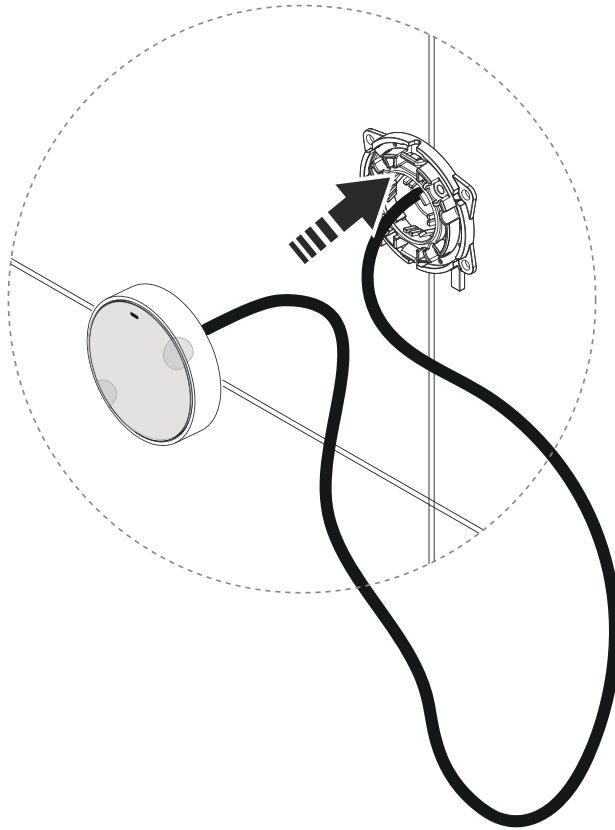
1. Clean the surface behind the fixture.



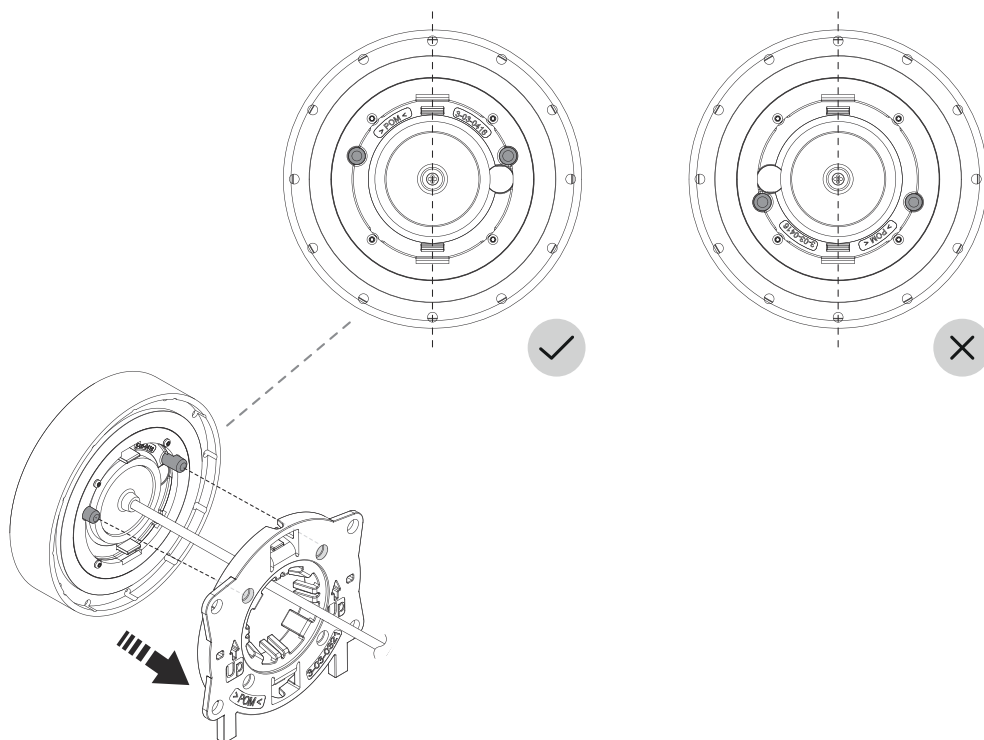
2. Mount the new fixture.



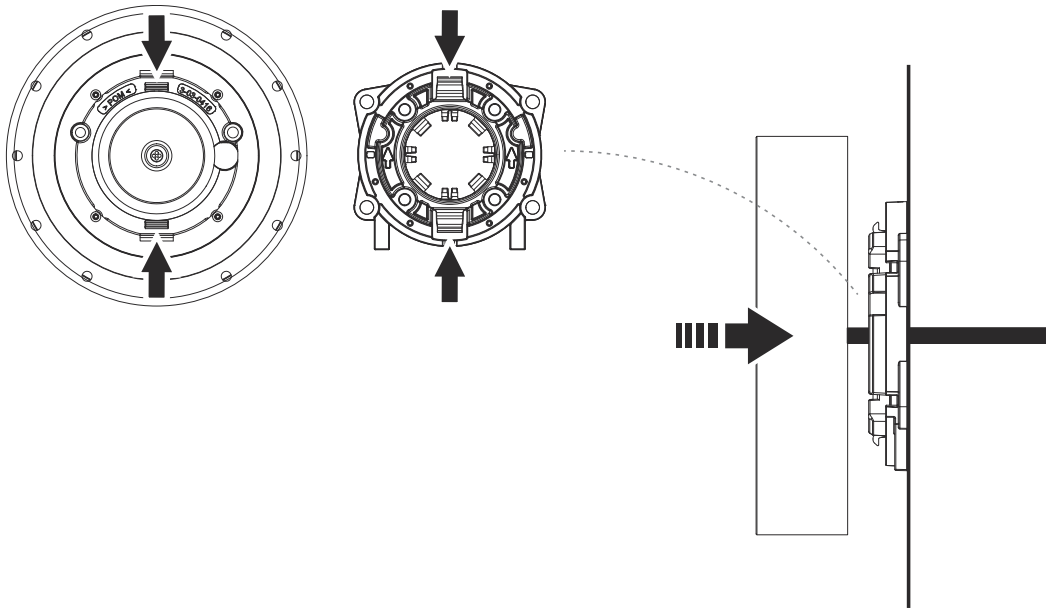
-
3. Pull the extension cable through the protective pipe in the wall.



-
4. Position the Control Dial according to the “up mark” for mounting.



-
5. Attach the Control Dial by adjusting the brackets according to the arrows. Make sure it clicks when attaching.

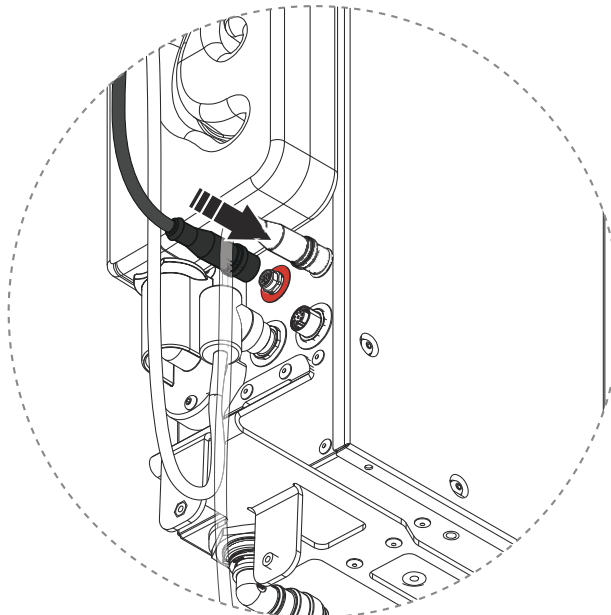


-
6. Connect the Control Dial's extension cord to the red communication port on the Core. The connector must be tightened by hand.

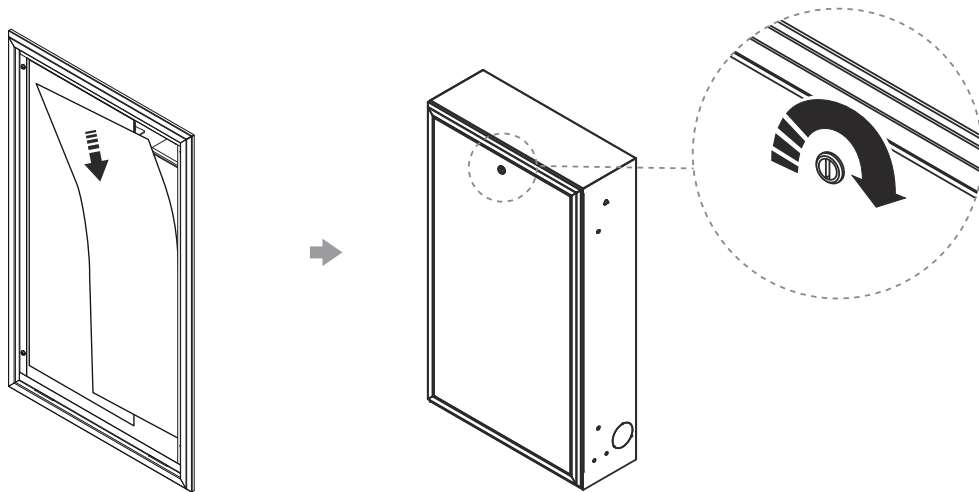


CAUTION

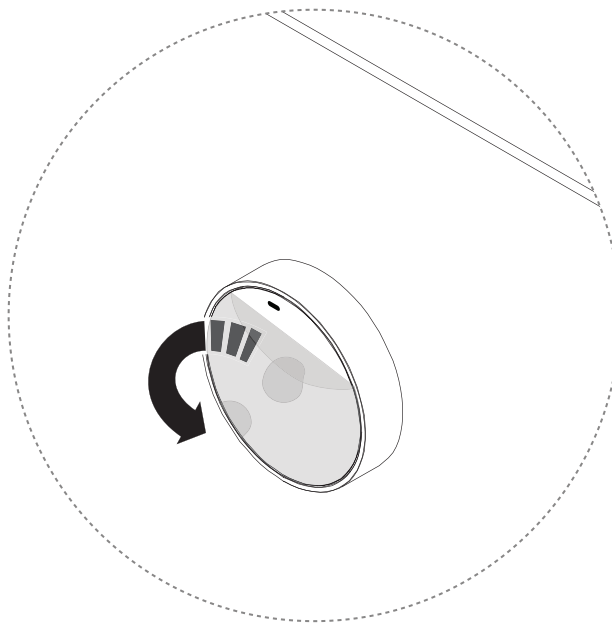
Ensure proper alignment between connector and communication port. This must be done with special attention to prevent damage to the pins.



-
- 7. When installing Hatch or Cabinet:** Put back the splash guards and close the door to the Wall Box.



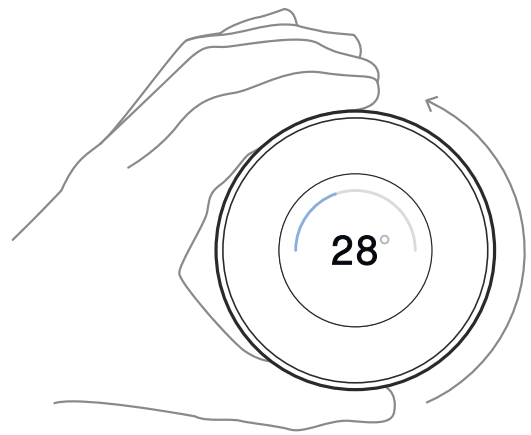
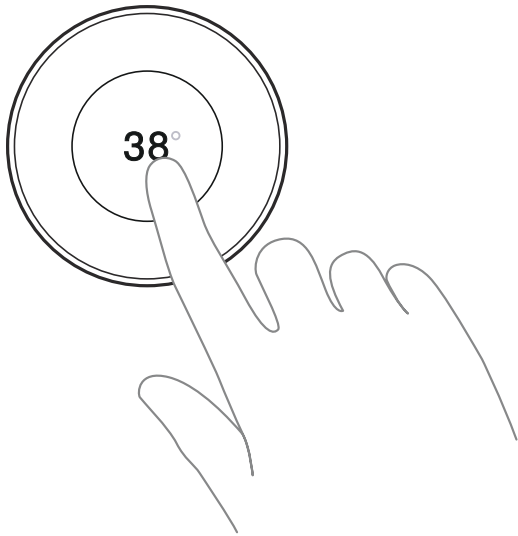
-
- 8.** Remove the protective film from the Control Dial.



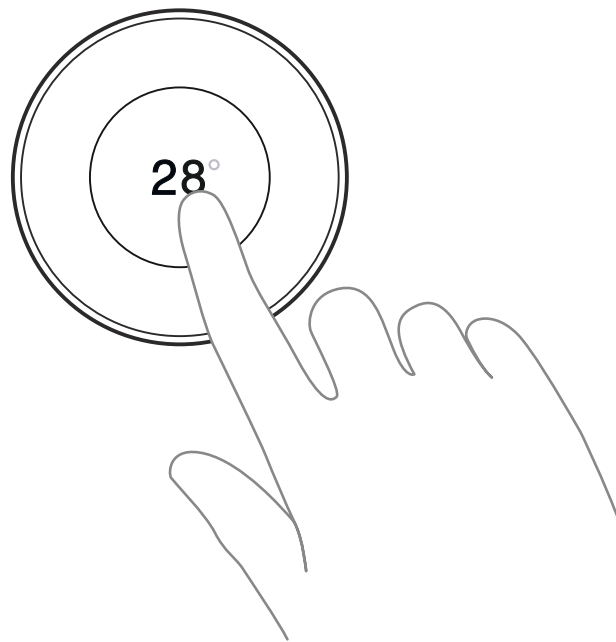
-
- 9.** Turn on the power. It may take up to 3 minutes for Core to start up.



-
10. Validate the Control Dial change by starting the shower and changing the temperature. The numbers on the Control Dial should follow during the temperature change.



-
11. Turn off the shower.



-
12. Recycle the replaced components. ♻️

Filter

16a. Swap Filter - Panel

This instruction shows how to swap the Filter in a Panel installation. You find the Core and Filter in the shower area. Follow the instructions in detail, and don't hesitate to reach out if you have any questions - support@orbital-systems.com.

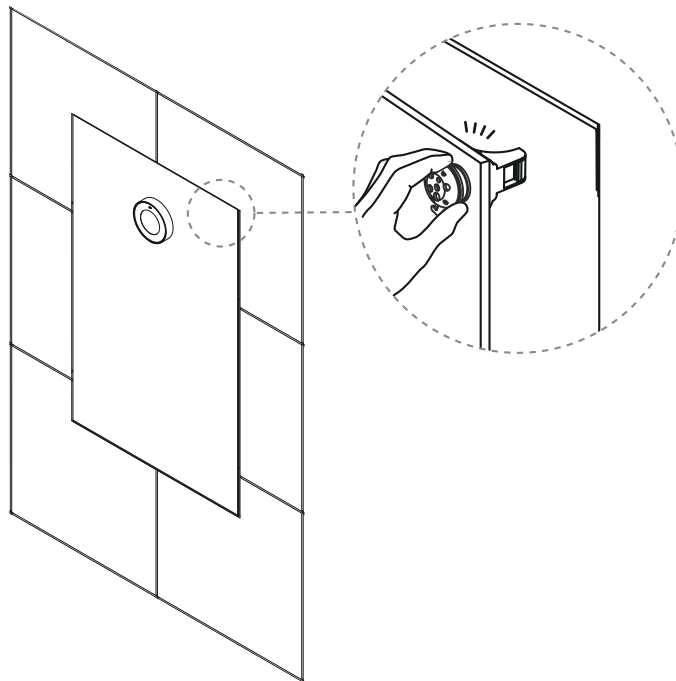
Use the kit below to swap the Filter.

1-04-0089 - Maintenance kit 1:

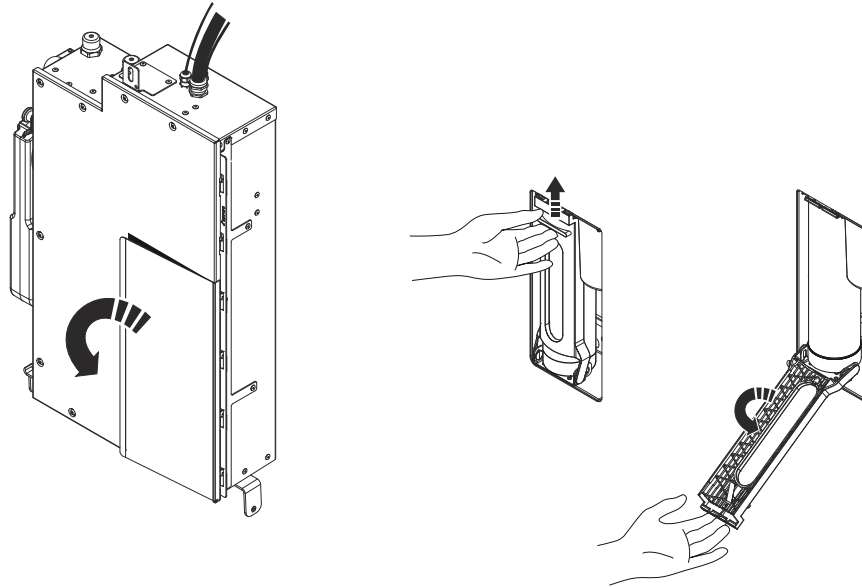
Filter Capsule

Swap Filter

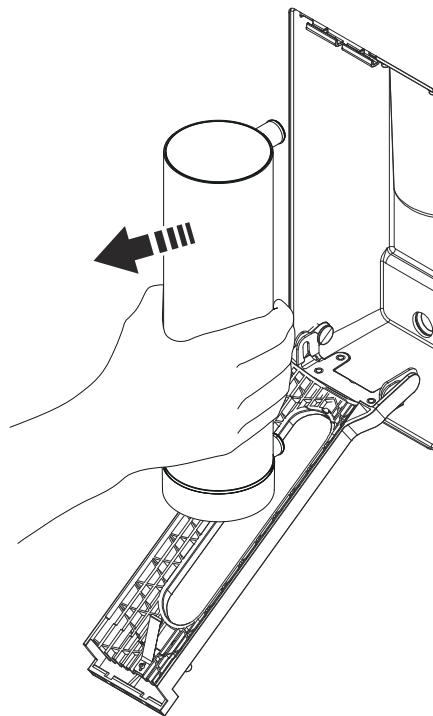
1. Open the Panel door.



-
2. Open the filter door and release the filter holder.



-
3. Remove the old Filter Capsule

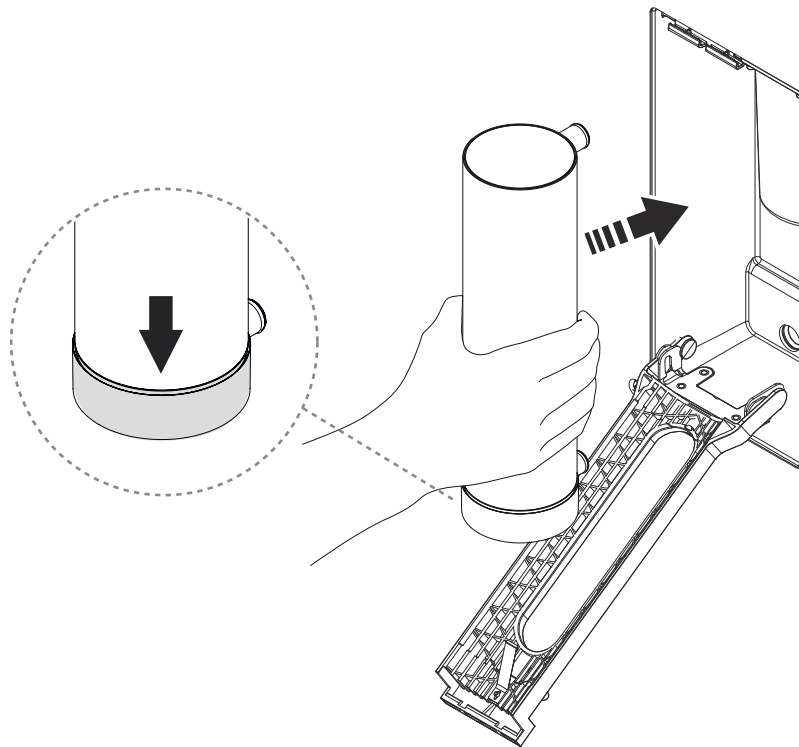


4. Insert the new Filter Capsule.

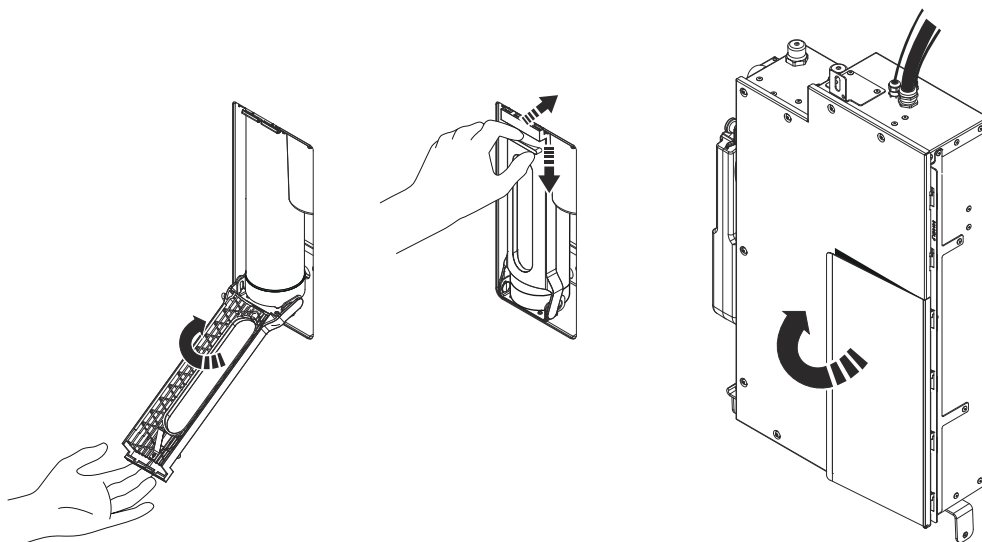


CAUTION

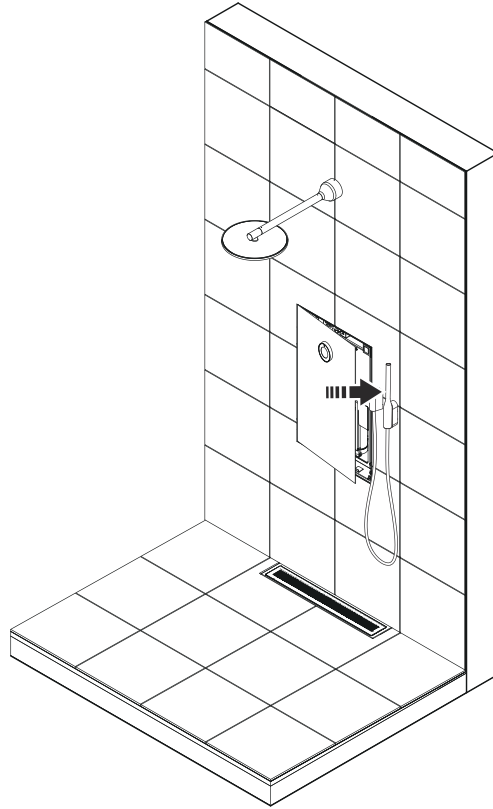
Ensure that the Filter Capsule is correctly inserted to avoid leakage. The plastic ring should be placed downwards.



5. Close the filter holder and filter hatch.



6. Close the door to the Wall Box.



7. Recycle the replaced Filter. ♻️

16b. Swap Filter - Remote

This instruction shows how to swap the Filter in a remote installation (shower model Hatch, Cabinet or Basic). The Core is placed outside of the shower area. Follow the instructions in detail, and don't hesitate to reach out if you have any questions - support@orbital-systems.com.

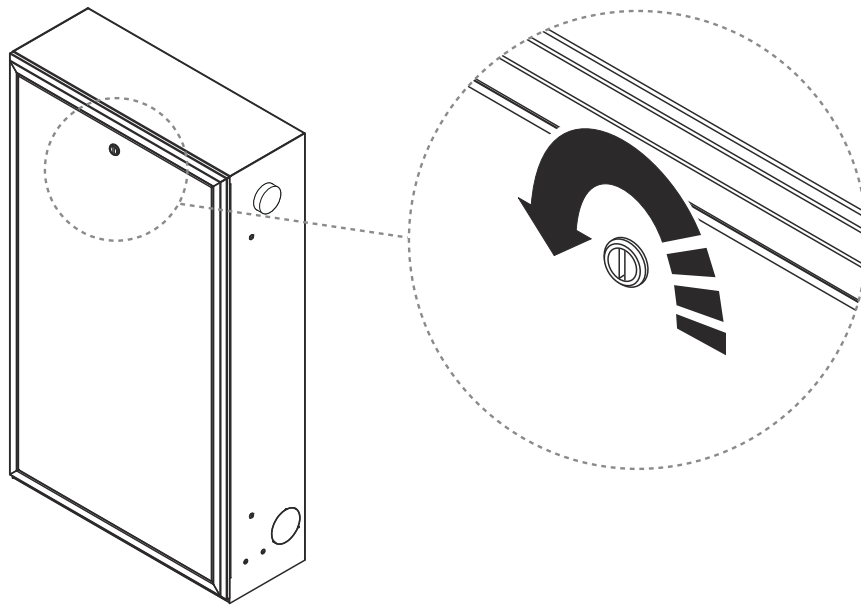
Use the kit below to swap the Filter.

1-04-0089 - Maintenance kit 1:

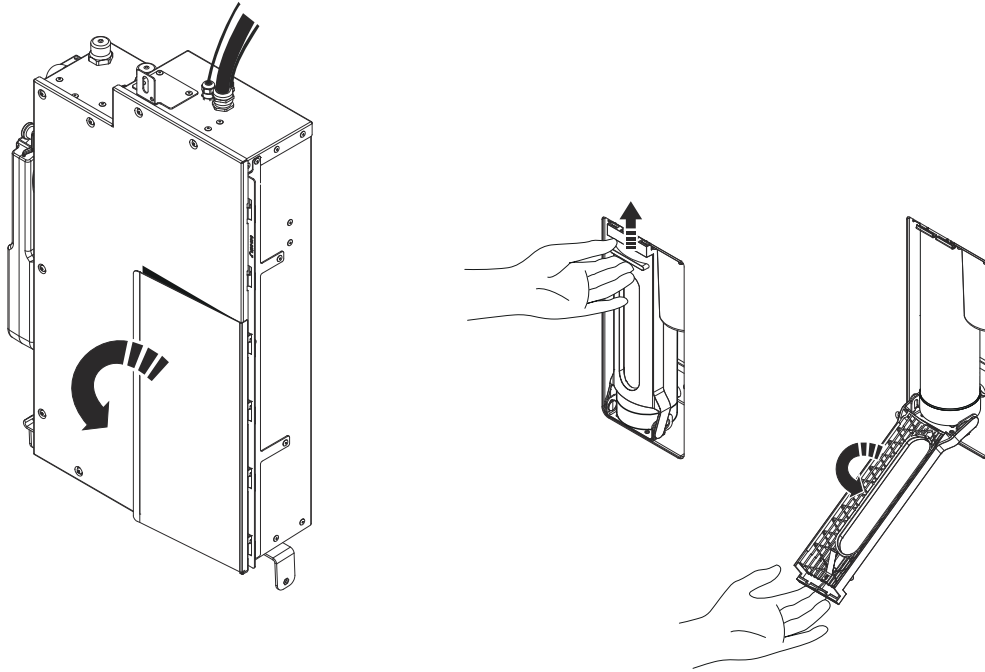
Filter Capsule

Swap Filter

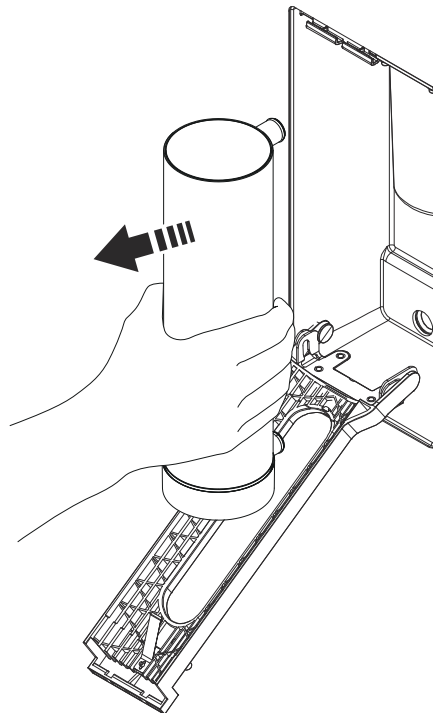
1. **For installations with Cabinet or Hatch:** Open the hatch and remove the splash guards. Put them aside.



2. Open the filter door and release the filter holder.



3. Remove the Filter Capsule.

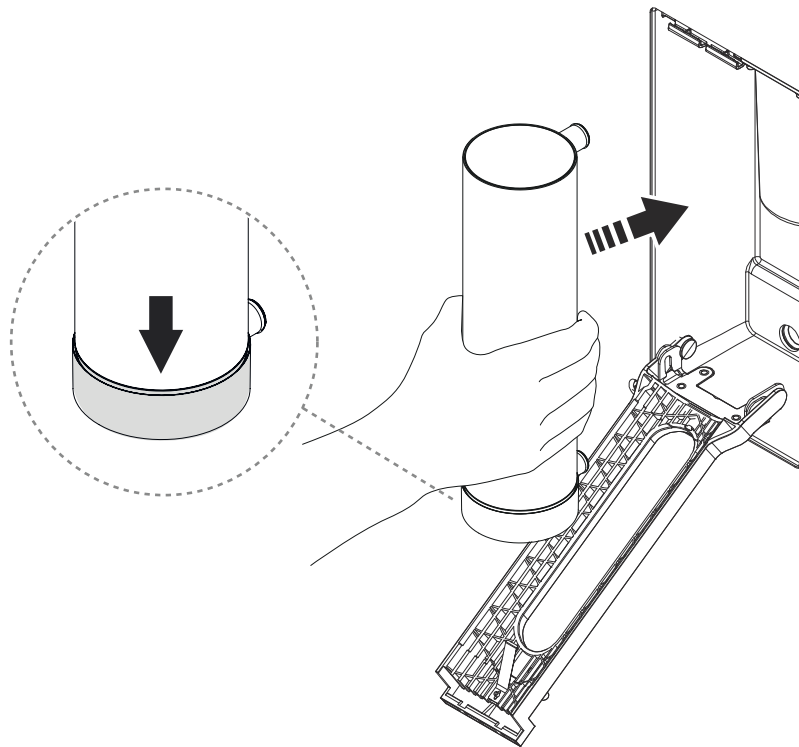


4. Insert a new Filter Capsule.

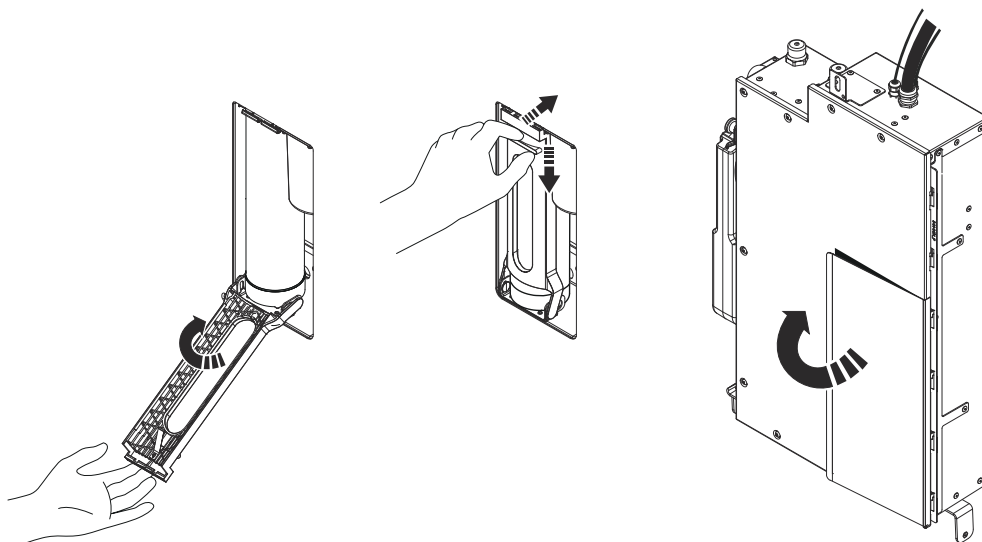


CAUTION

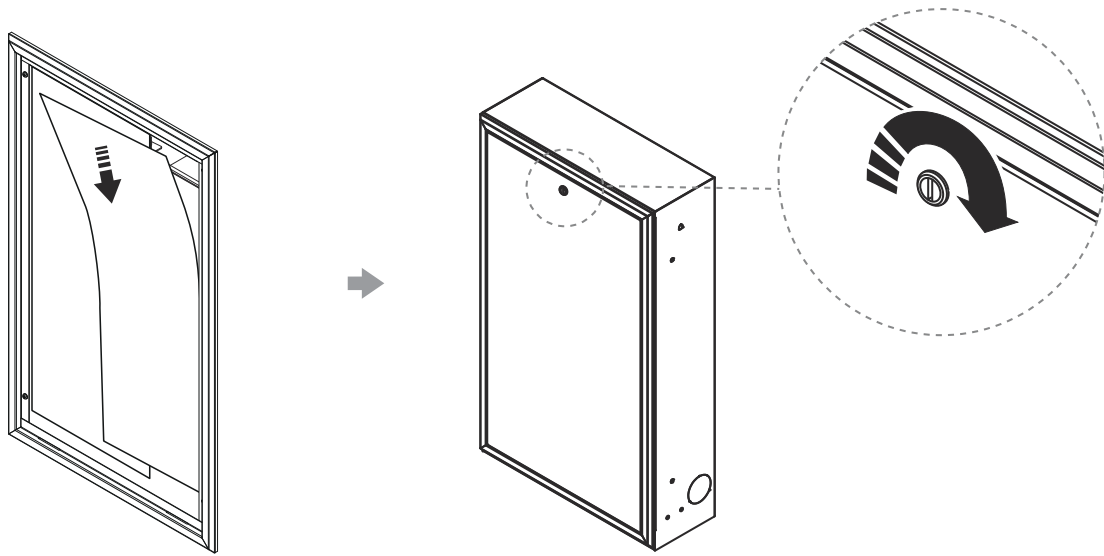
Ensure that the Filter Capsule is correctly inserted to avoid leakage. The plastic ring should be placed downwards.



5. Close the filter holder and the filter hatch.



-
6. **When installing Hatch or Cabinet:** Put back the splash guards and close the door to the Wall Box.



-
7. Recycle the replaced Filter. ♻️

17a. Swap Filter & UV - Panel

This instruction shows how to swap the Filter and UV kit in a Panel installation, where the Core is placed in the shower area. Follow the instructions in detail, and don't hesitate to reach out if you have any questions - support@orbital-systems.com.

Use the kit below to swap the Filter and UV-kit.

1-04-0180 - Maintenance kit 2:

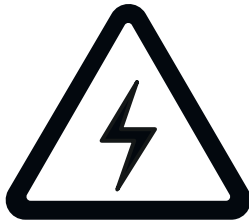
Filter Capsule

UV lamp

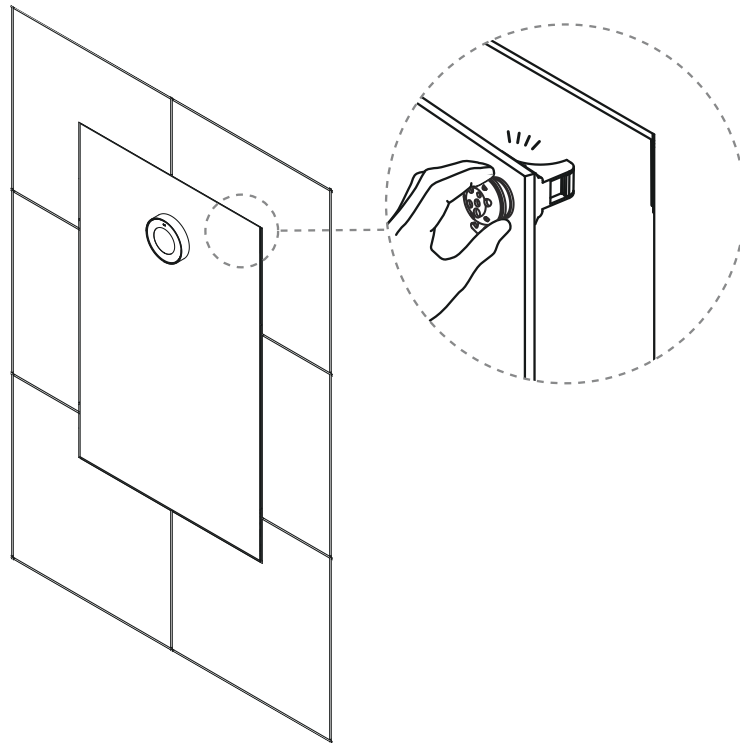
Quartz jacket kit

Dismantle Filter & UV

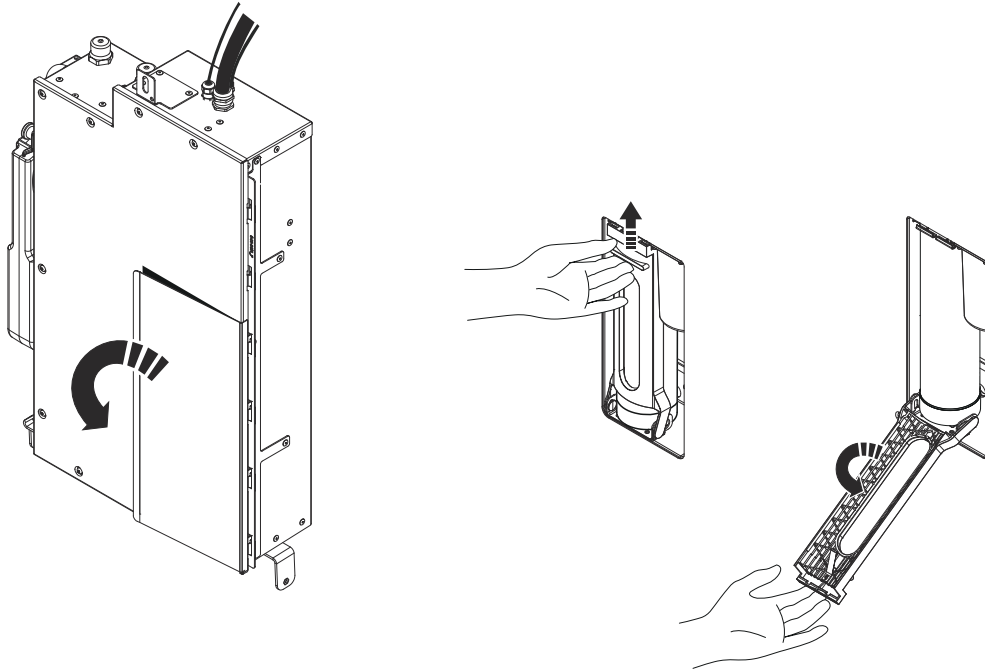
1. Turn off the power.



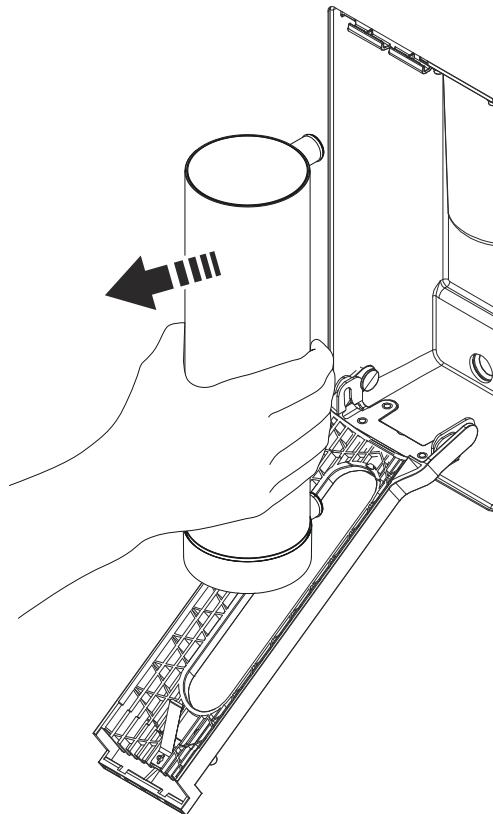
2. Open the Panel door.



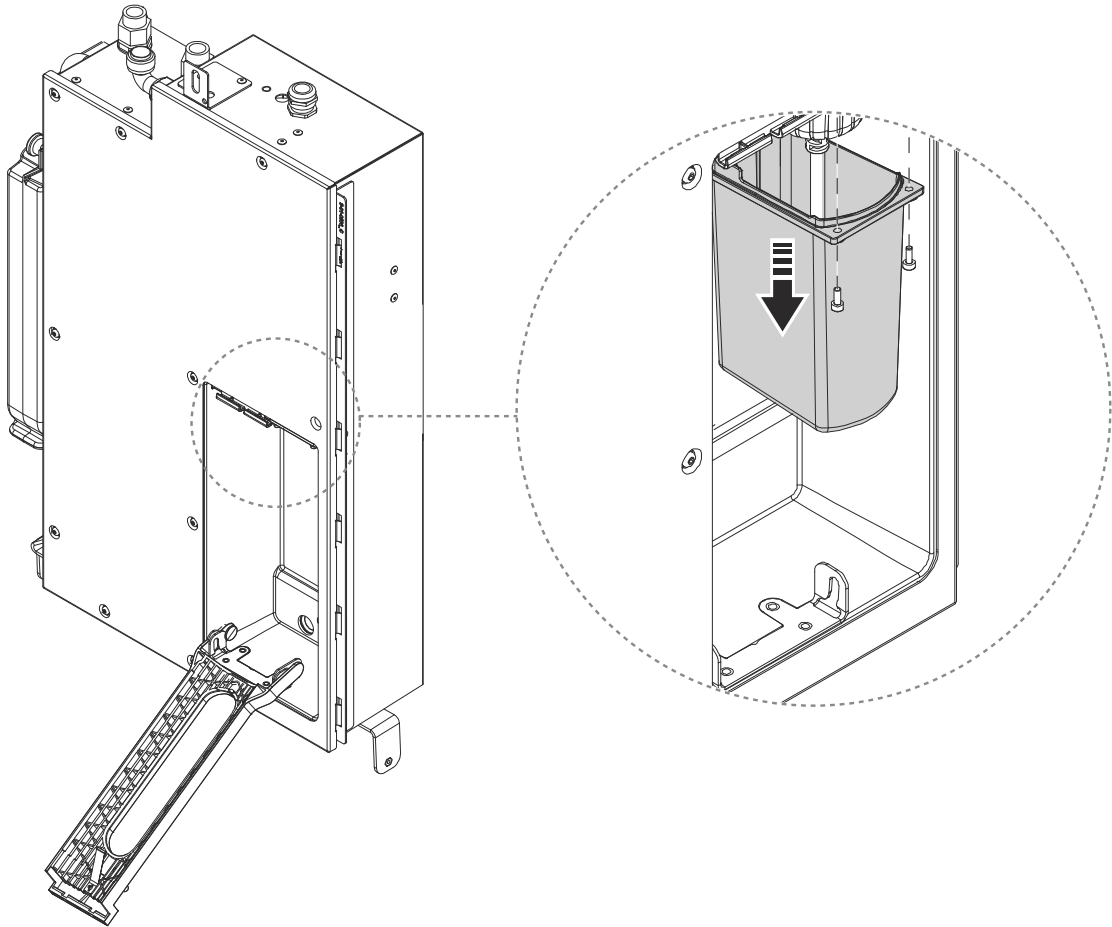
3. Open the filter door and release the filter holder.



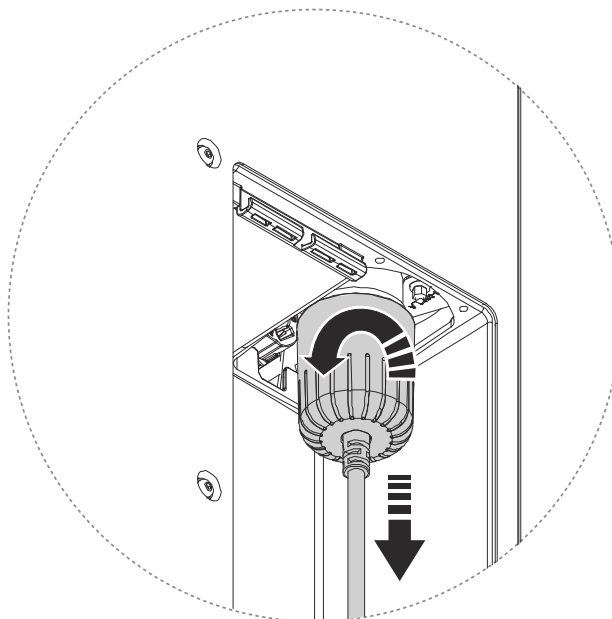
4. Remove the old Filter Capsule



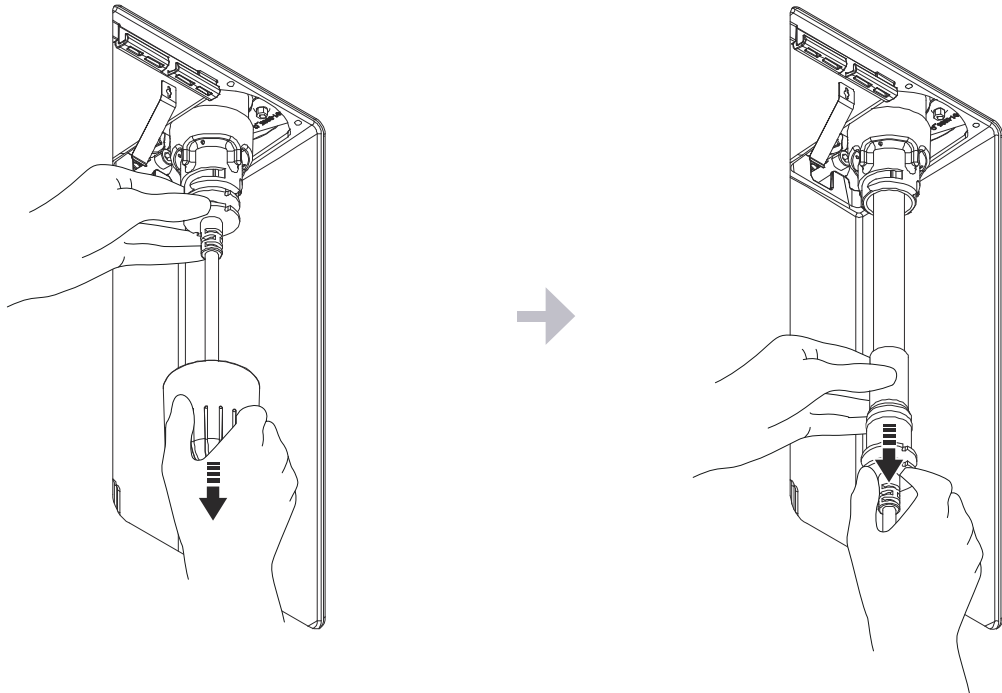
-
5. Unscrew the UV protection cover.



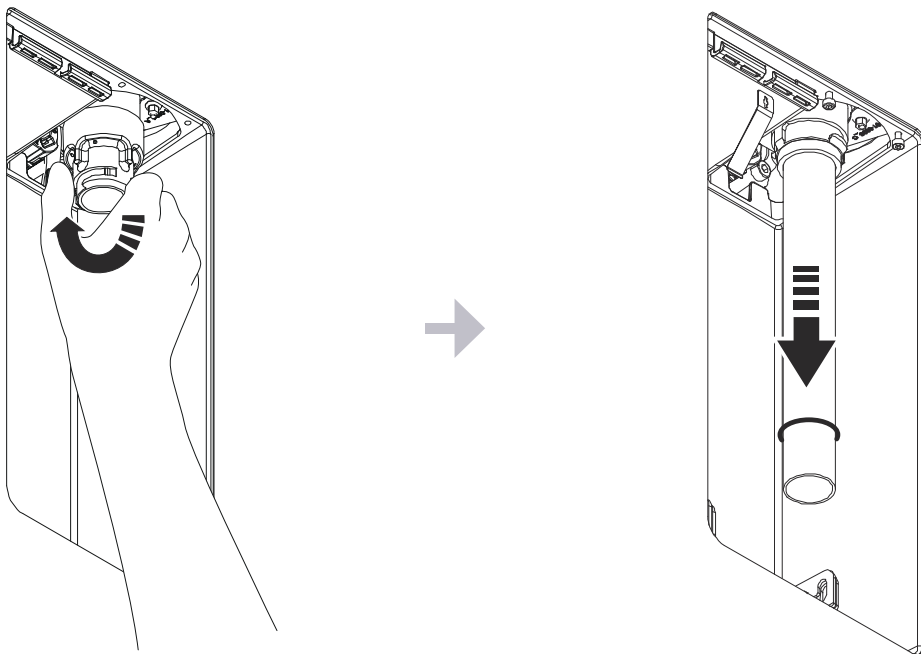
-
6. Turn the plug counterclockwise to release the UV lamp.



7. Disconnect the lamp and put it aside.



8. Turn the bayonet lock counterclockwise to release the quartz glass.



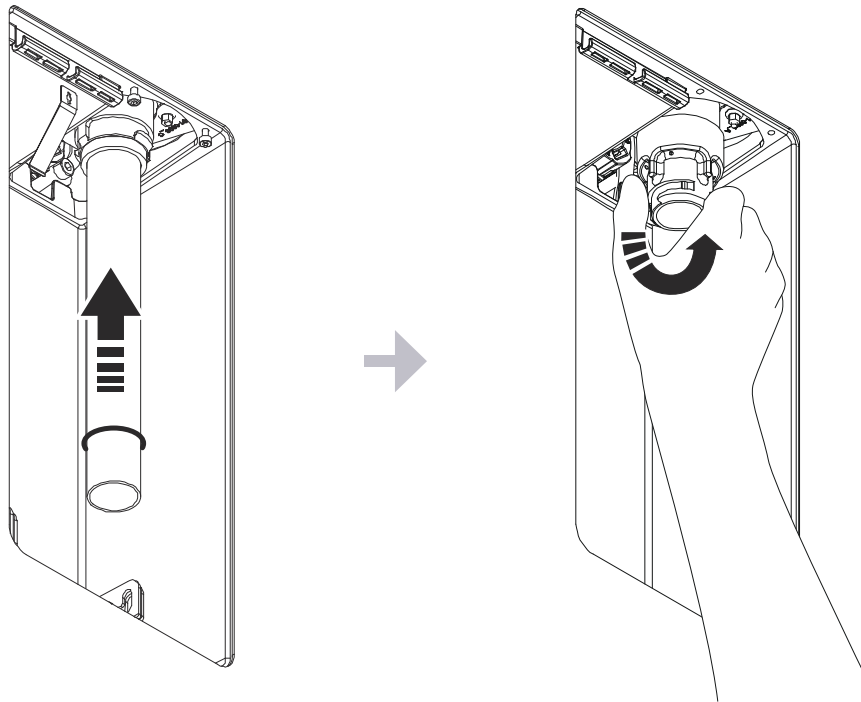
Install Filter & UV-kit

1. Change the quartz glass and tighten the bayonet lock.



CAUTION

Make sure the o-ring is undamaged and in good condition.

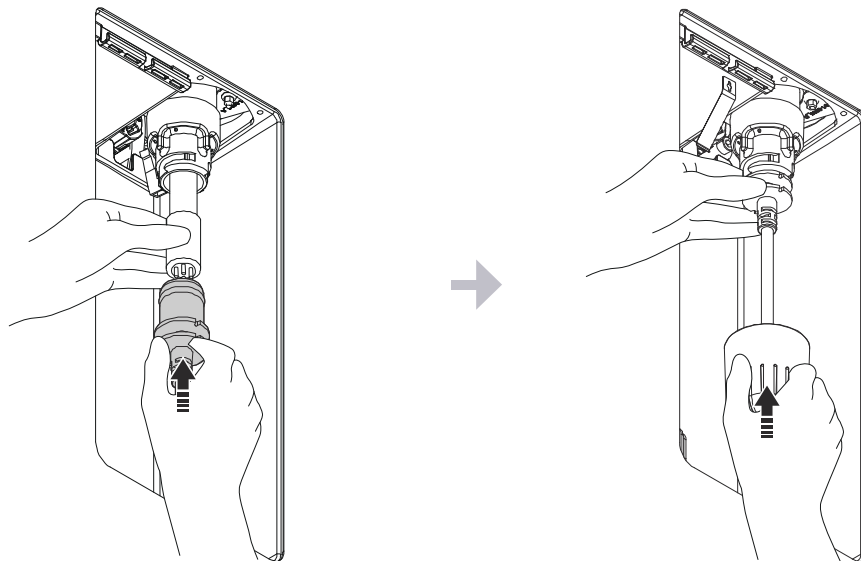


2. Connect the new UV lamp, turn the plug clockwise to lock.

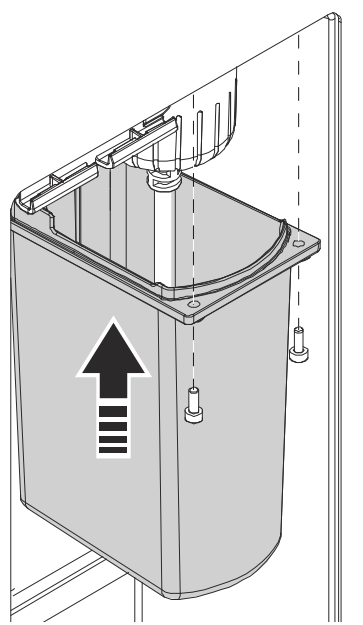


CAUTION

Make sure that the lamp goes all the way into the socket.



3. Reinstall the UV protection cover.

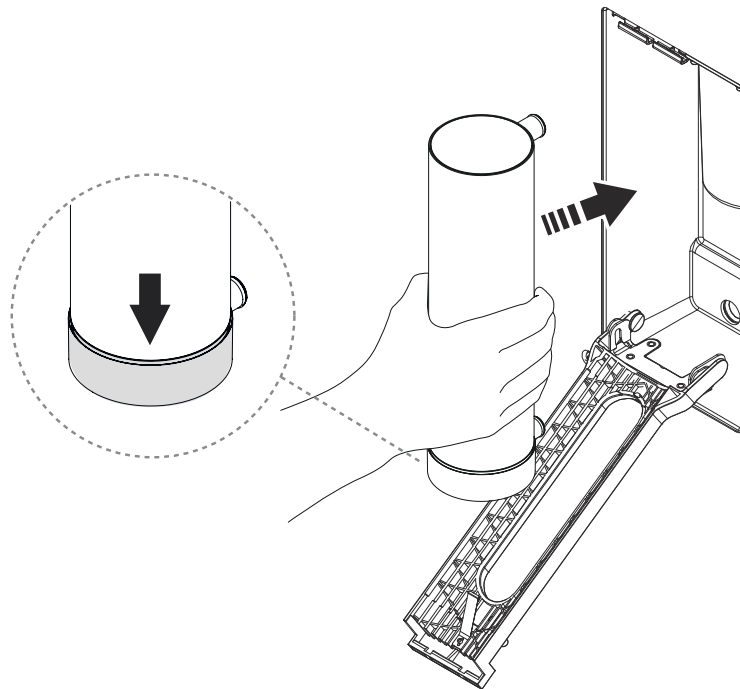


4. Insert a new Filter Capsule.

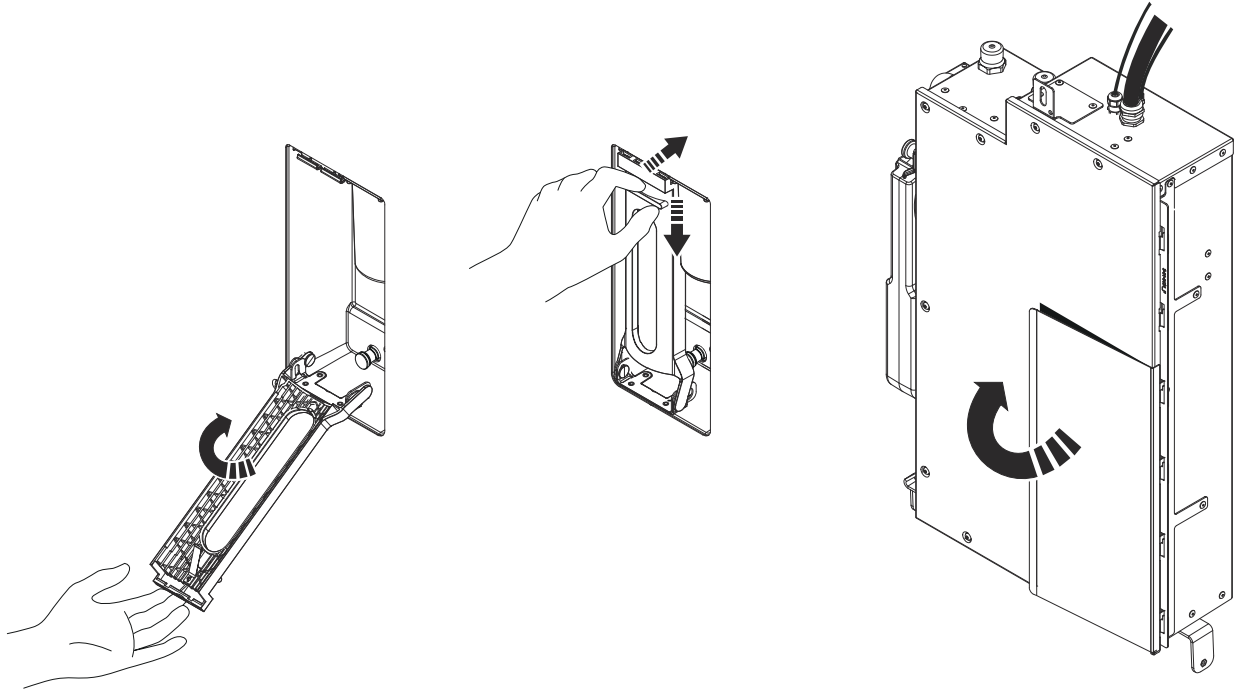


CAUTION

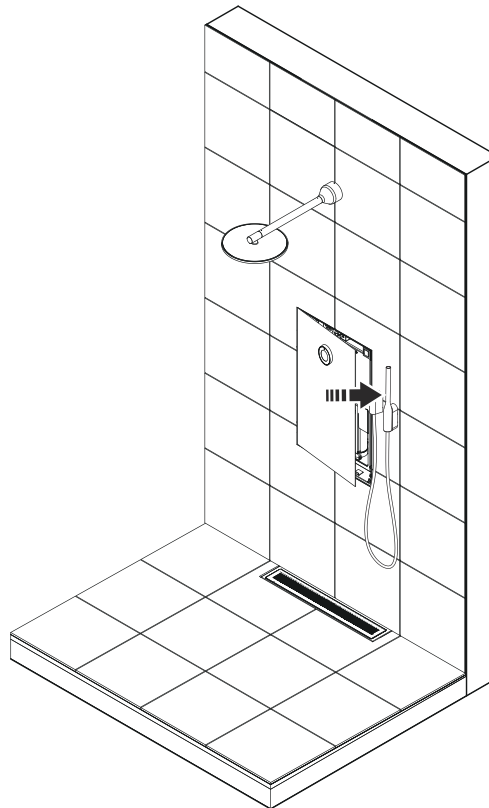
Ensure that the Filter Capsule is correctly inserted to avoid leakage.



5. Close the filter holder and the filter hatch.



6. Close the door to the Wall Box.



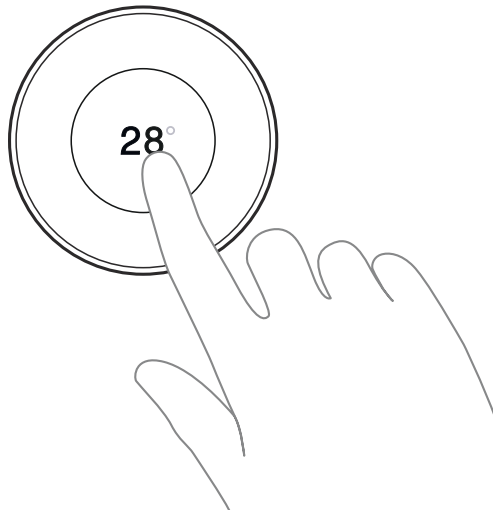
7. Turn on the power. It takes about 1 minute for the Core to start up.



8. Start the shower and set the temperature to 28°C. The shower should start recycling (showing countdown on Control Dial) within 5 minutes without increased noise level.



9. Turn off the shower.



10. Recycle the replaced components. ♻️

17b. Swap Filter & UV - Remote

This instruction shows how to swap the Filter and UV-kit in a remote installation (shower model Hatch, Cabinet or Basic). The Core is placed outside of the shower area. Follow the instructions in detail, and don't hesitate to reach out if you have any questions - support@orbital-systems.com.

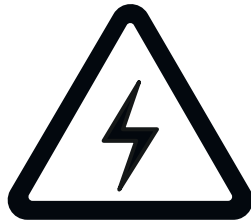
Use the kit below to swap the Filter and UV-kit.

1-04-0180 - Maintenance kit 2:

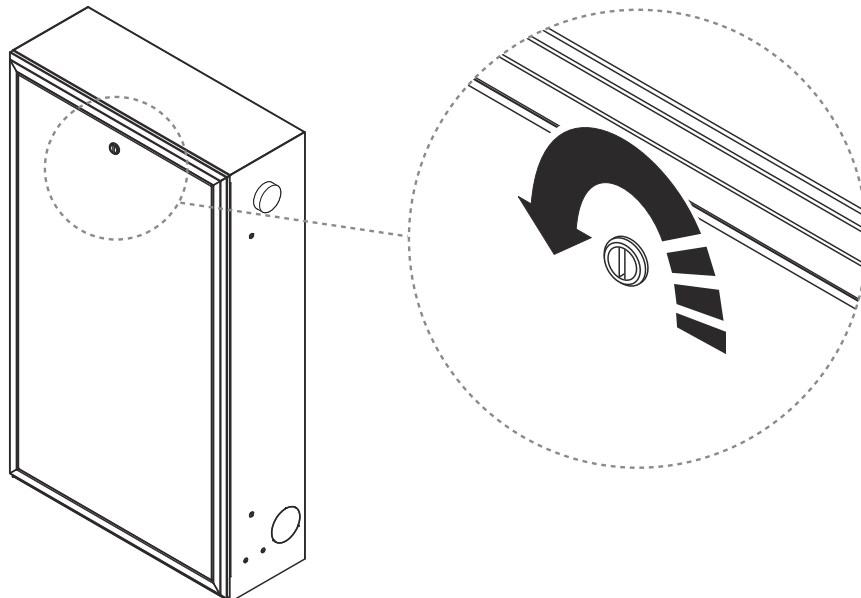
- Filter Capsule
- UV lamp
- Quartz jacket kit

Dismantle Filter & UV

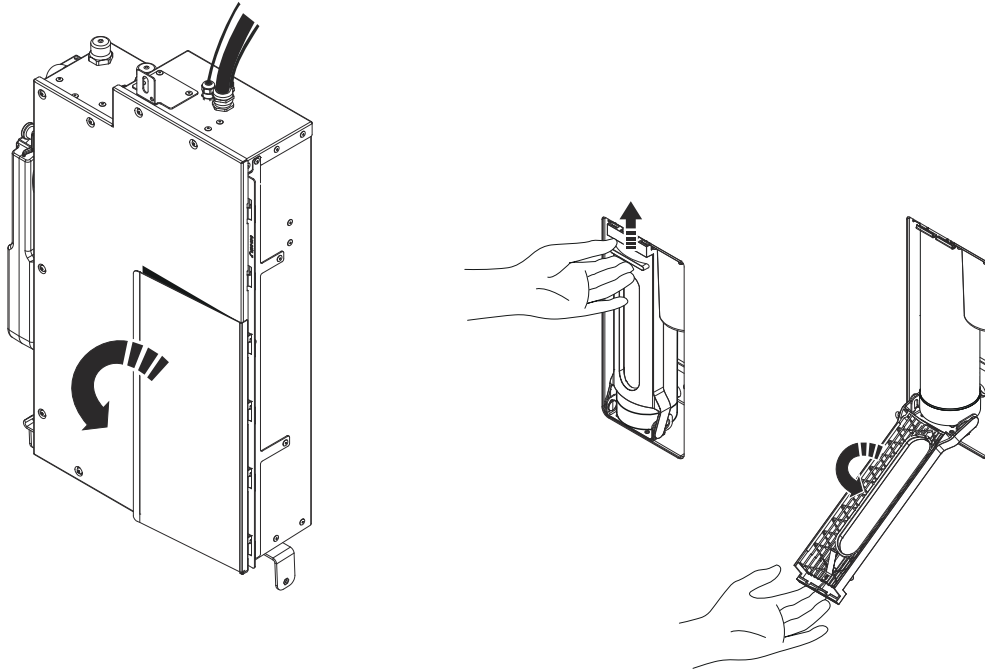
1. Turn off the power.



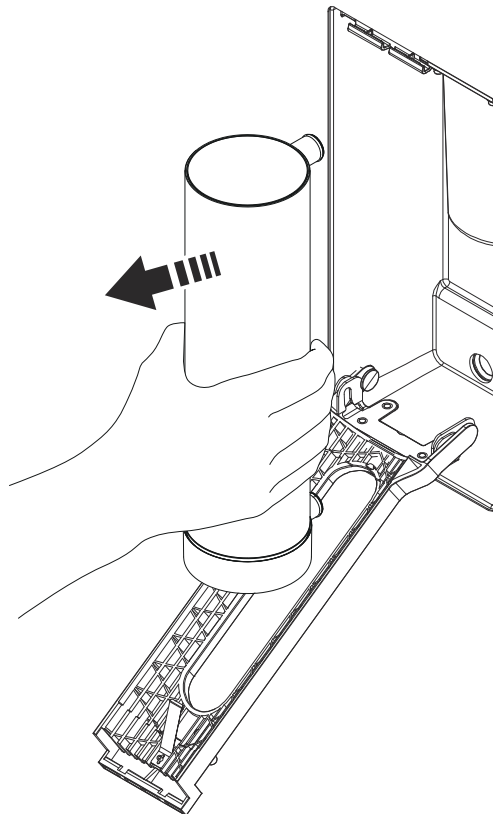
2. **For installations with Cabinet or Hatch:** Open the hatch and remove the splash guards. Put them aside.



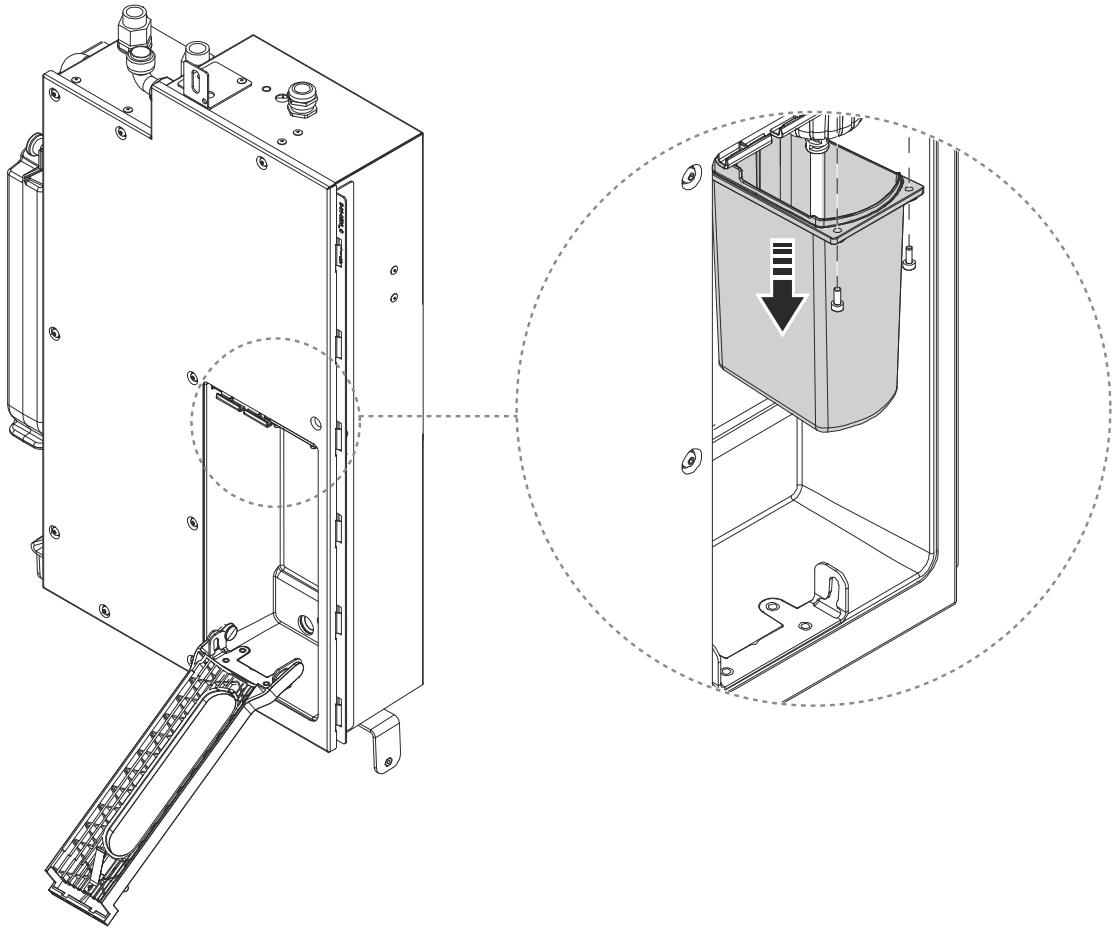
3. Open the filter door and release the filter holder.



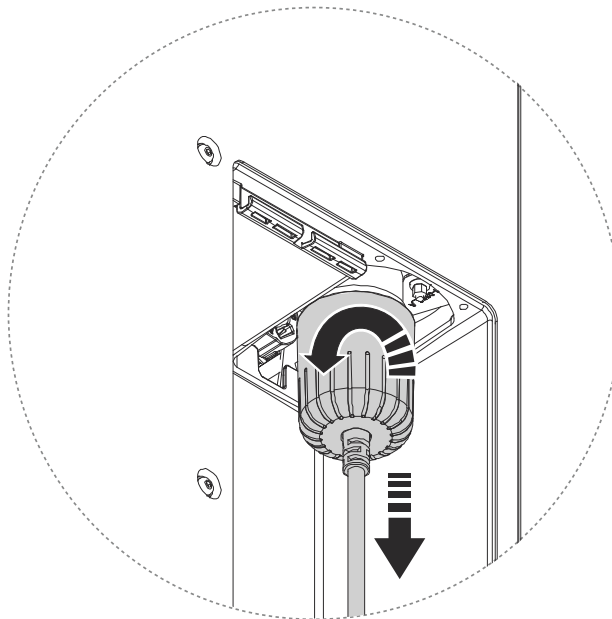
4. Remove the old Filter Capsule



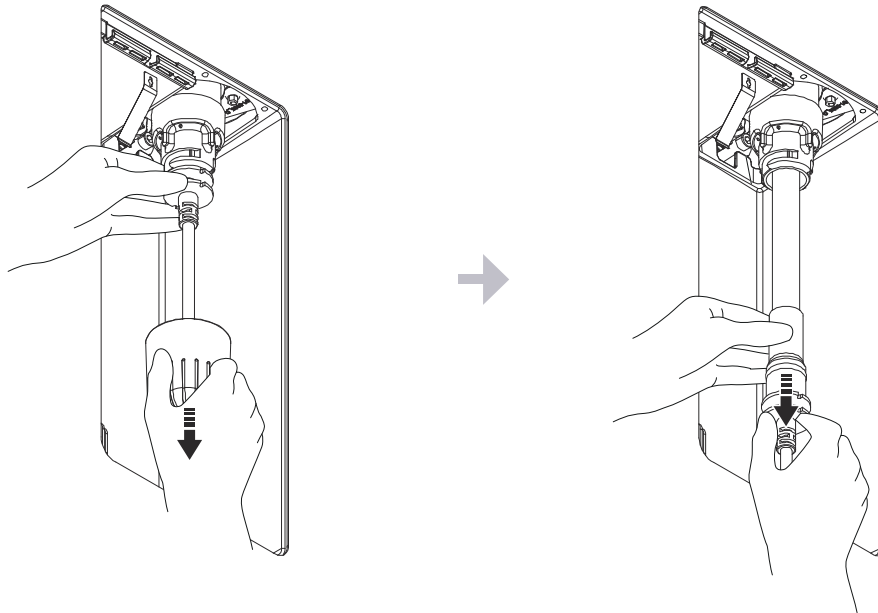
-
5. Unscrew the UV protection cover.



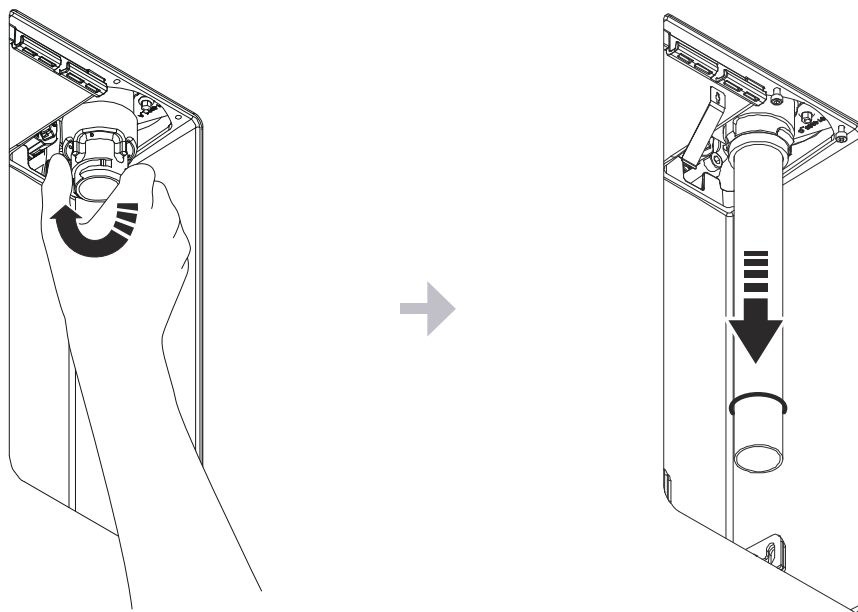
-
6. Turn the plug counterclockwise to release the UV lamp.



7. Disconnect the lamp and put it aside.



8. Turn the bayonet lock counterclockwise to release the quartz glass.



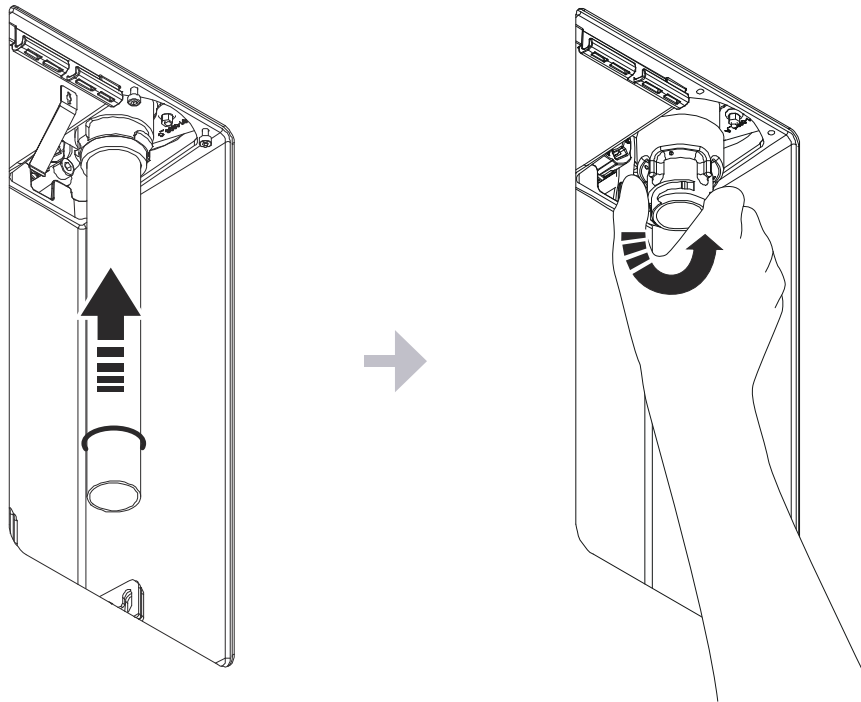
Install Filter & UV

1. Change the quartz glass and tighten the bayonet lock.



CAUTION

Make sure the o-ring is undamaged and in good condition.

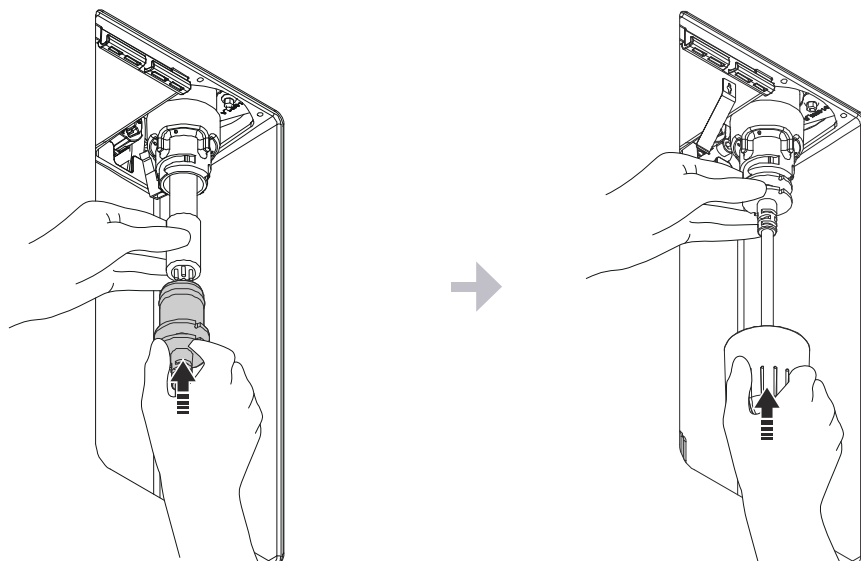


2. Plug in the new UV lamp, turn the plug clockwise to lock.

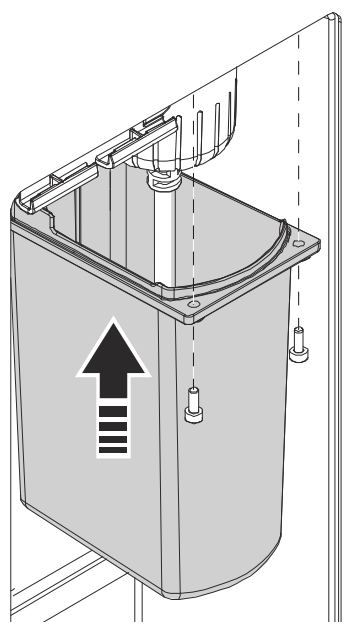


CAUTION

Make sure that the lamp goes all the way into the socket.



3. Replace the UV protection cover.

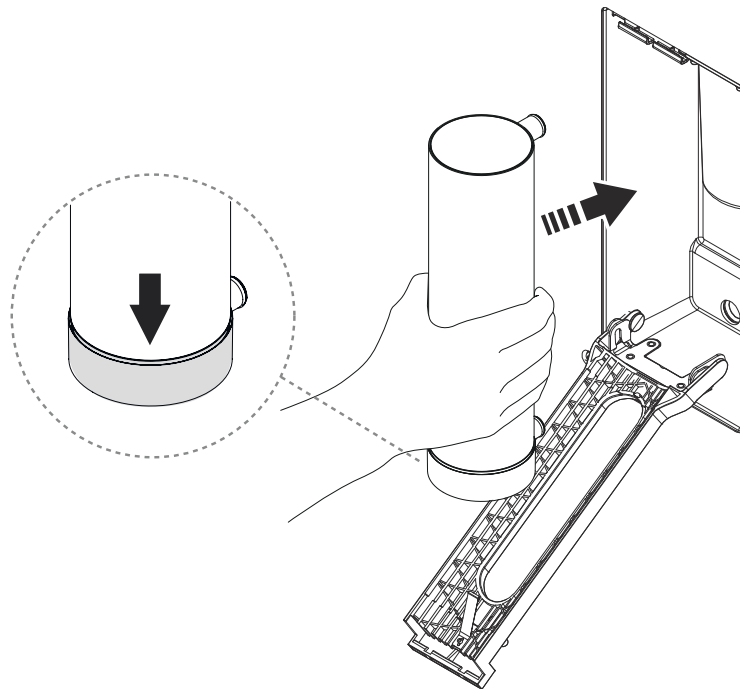


4. Insert the new Filter Capsule.

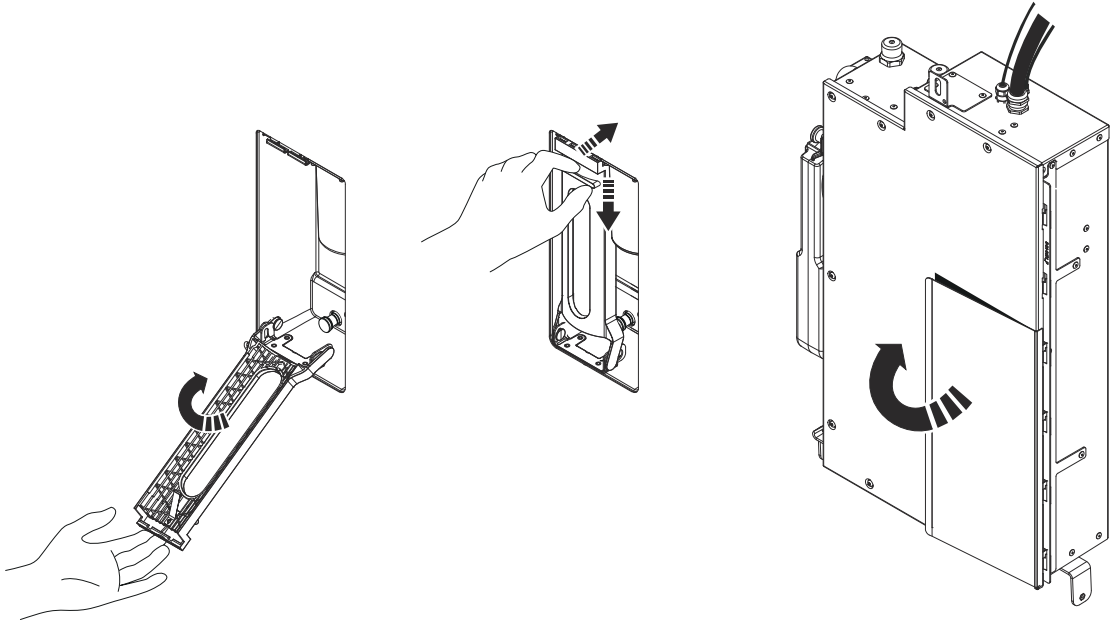


CAUTION

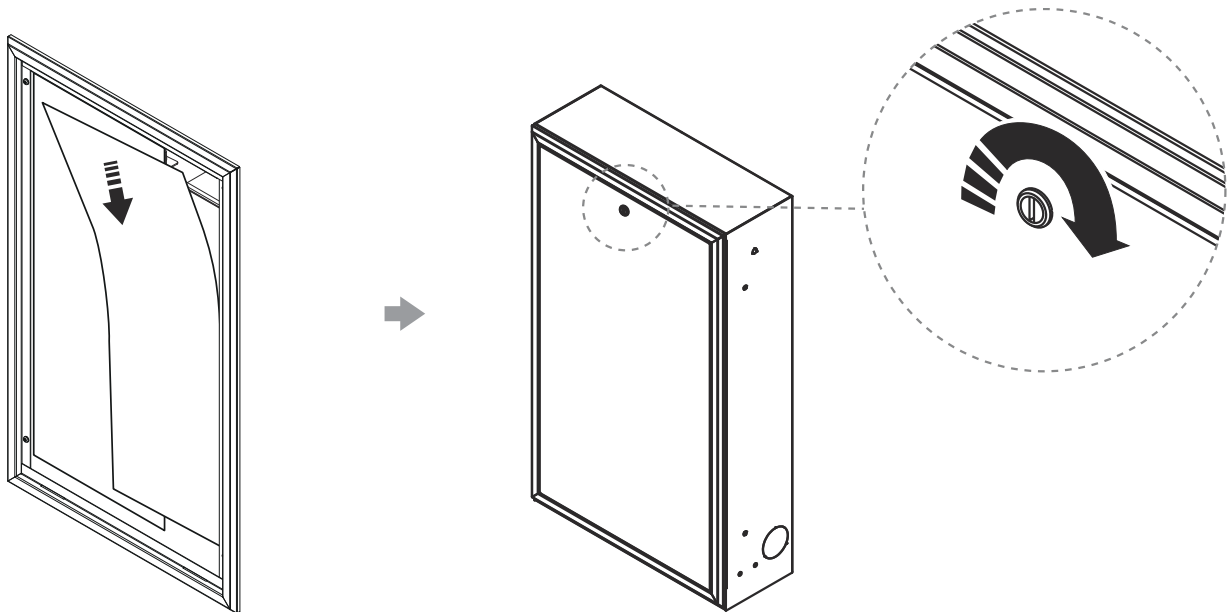
Ensure that the Filter Capsule is correctly inserted to avoid leakage.



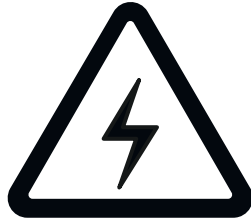
5. Close the filter holder and the filter hatch.



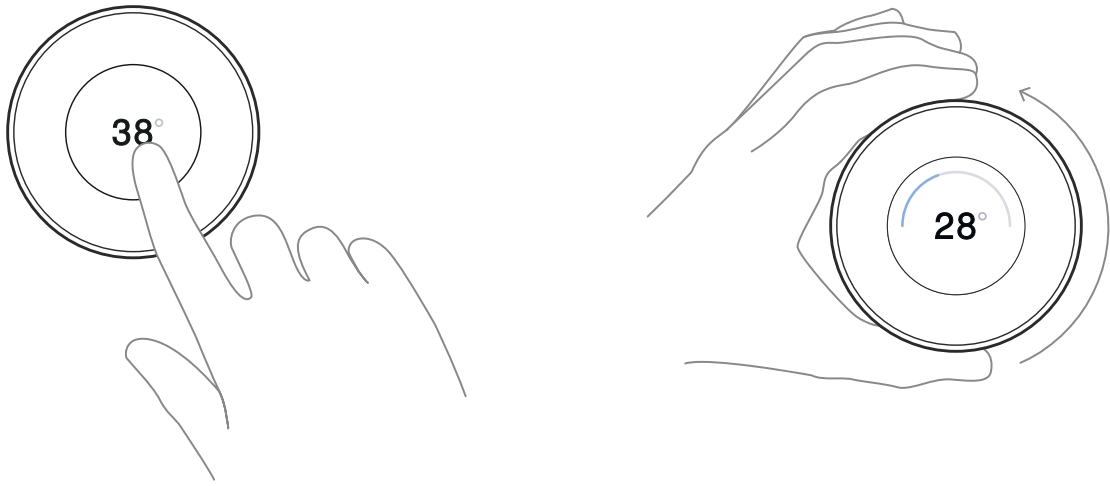
6. **When installing Hatch or Cabinet:** Put back the splash guards and close the door to the Wall Box.



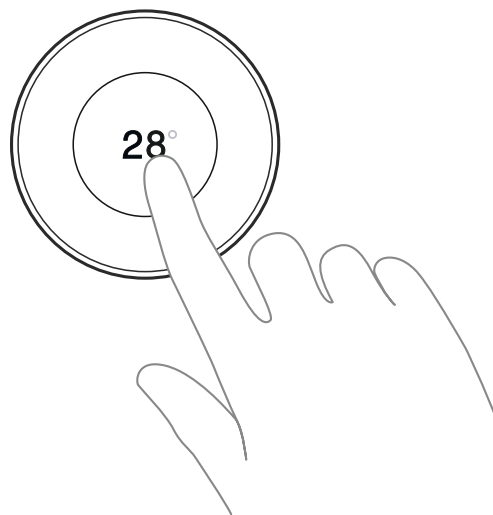
-
7. Turn on the power. It takes about 1 minute for Core to start up.



-
8. Start the shower and set the temperature to 28°C. The shower should start recycling (showing countdown on Control Dial) within 5 minutes without increased noise level.



-
9. Turn off the shower.



-
10. Recycle the replaced components. ♻️

Funnel

18. Swap Funnel

This instruction shows how to swap the Funnel. Follow the instructions in detail, and don't hesitate to reach out if you have any questions - support@orbital-systems.com.

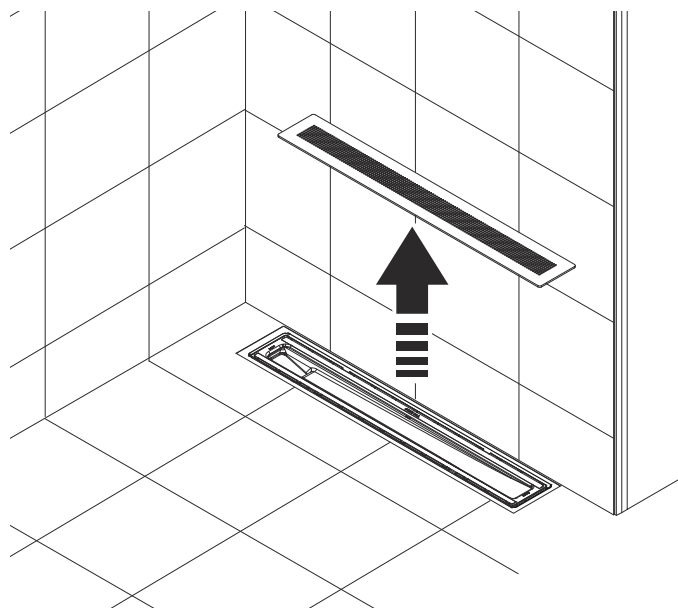
Use the kit below to swap the Funnel.

1-04-0186 - Swap Funnel kit:

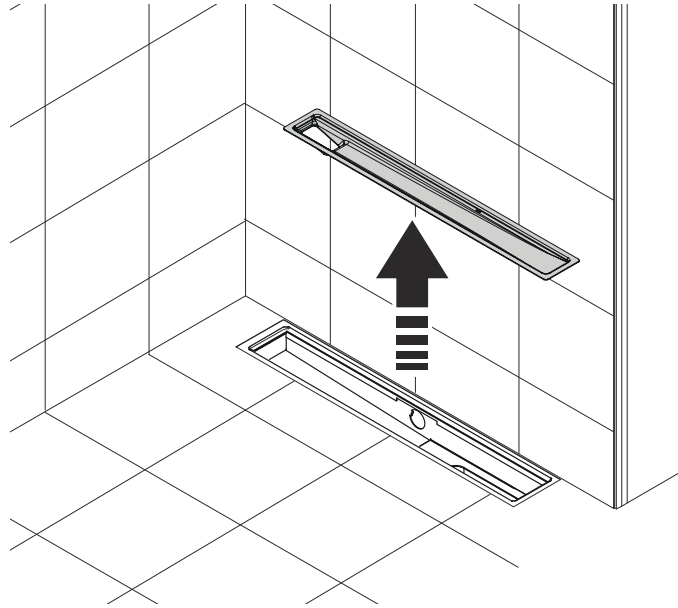
Funnel

Replace Funnel

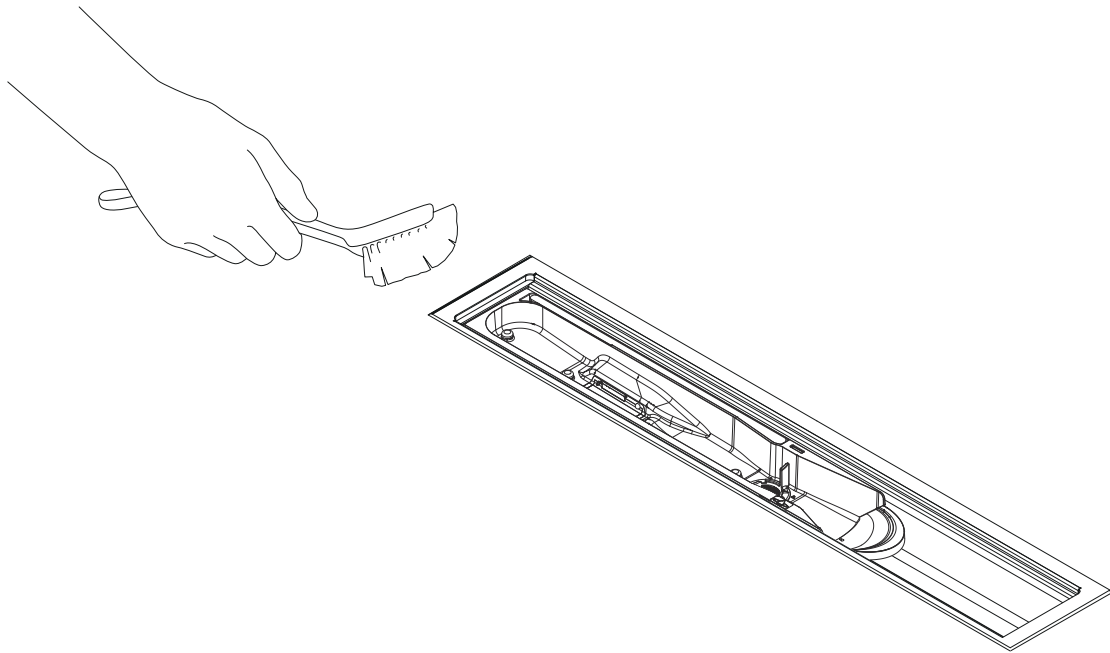
1. Lift up the grate.



2. Lift up the Funnel.



3. Clean the Sensor Tank.

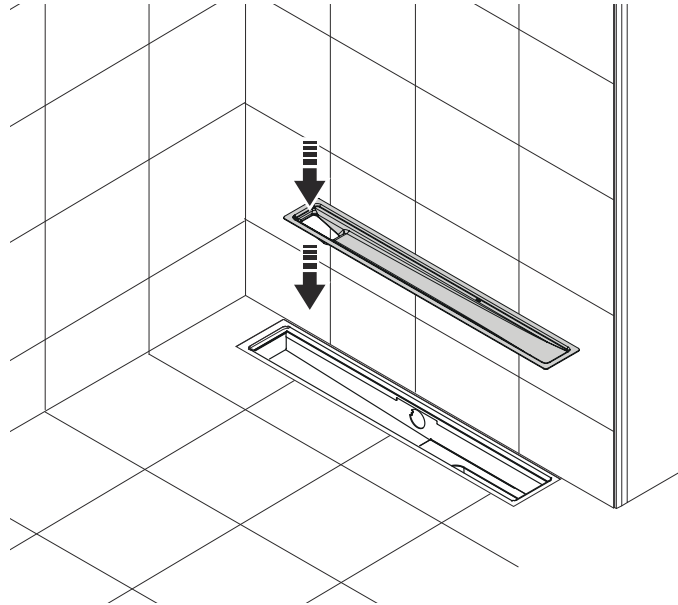


-
4. Place the new Funnel in the drain unit.

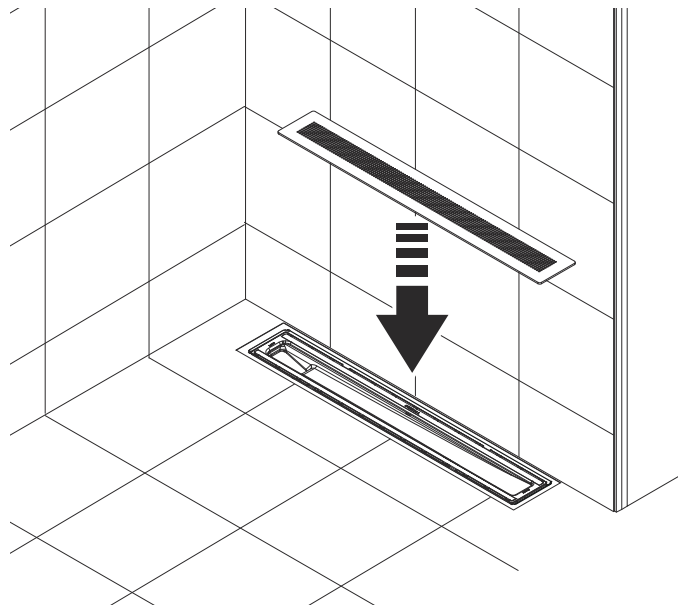


CAUTION

The Funnel should be placed with the hole to the left. If the Funnel is placed with the hole to the right, the water will not recirculate.



-
5. Place the grate back in place.



-
6. Recycle the replaced Funnel. ♻️

Panel door

19. Swap Panel door

This instruction shows how to swap the Panel door. Follow the instructions in detail, and don't hesitate to reach out if you have any questions - support@orbital-systems.com.

Use the following kit to swap the Panel door. This kit is available in [several color variants \[3\]](#).

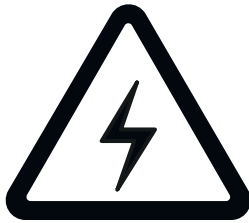
1-04-0125 - Swap Panel door kit:

Door Panel ASM

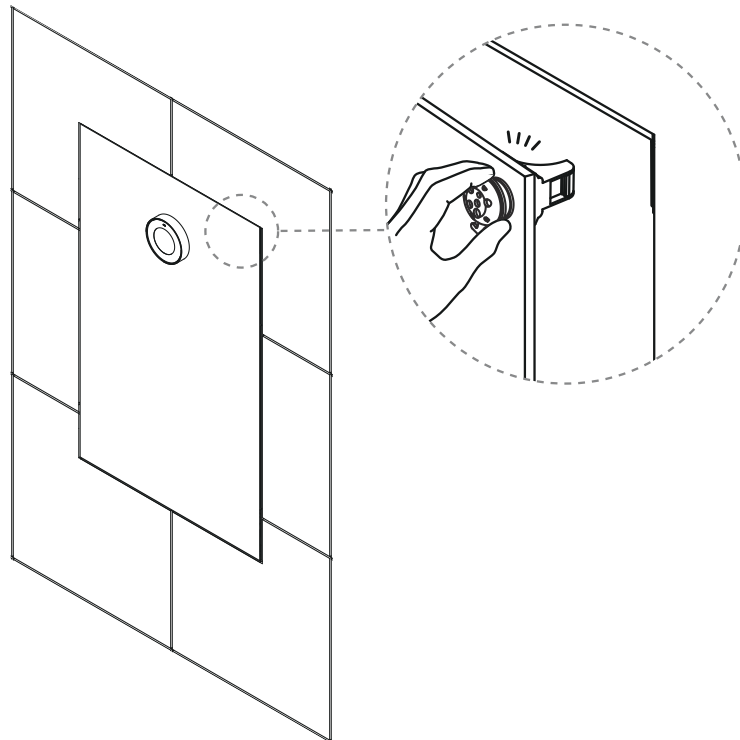
Panel door lock swap kit

Dismantle Panel Door

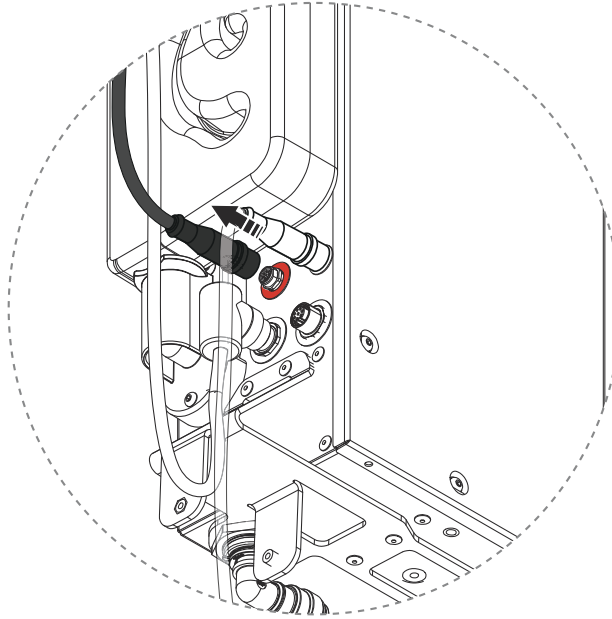
1. Turn off the power.



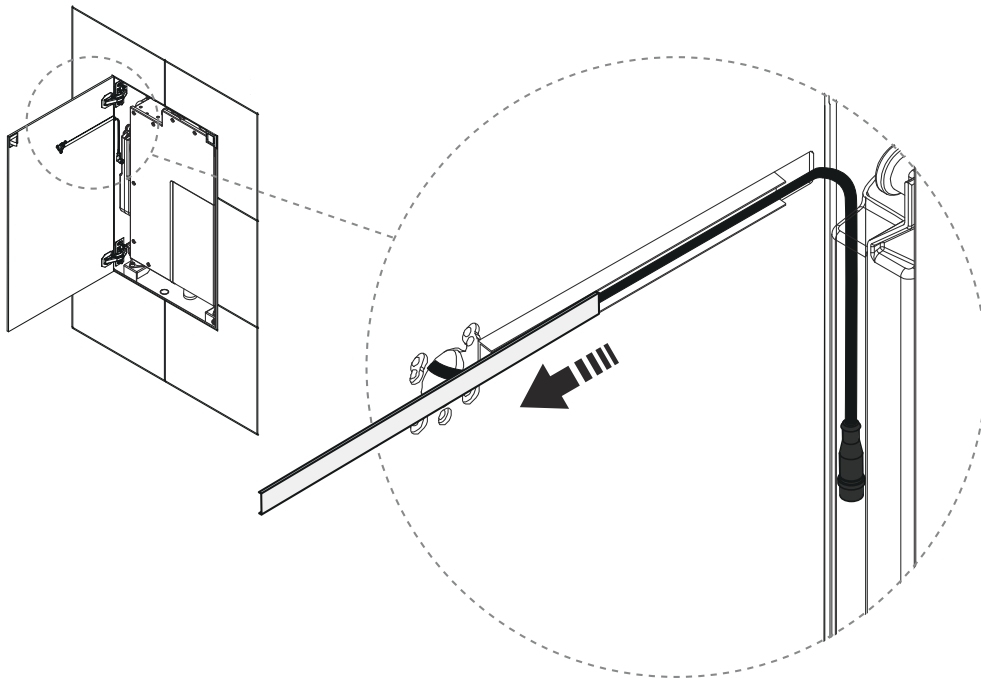
2. Open the Panel door.



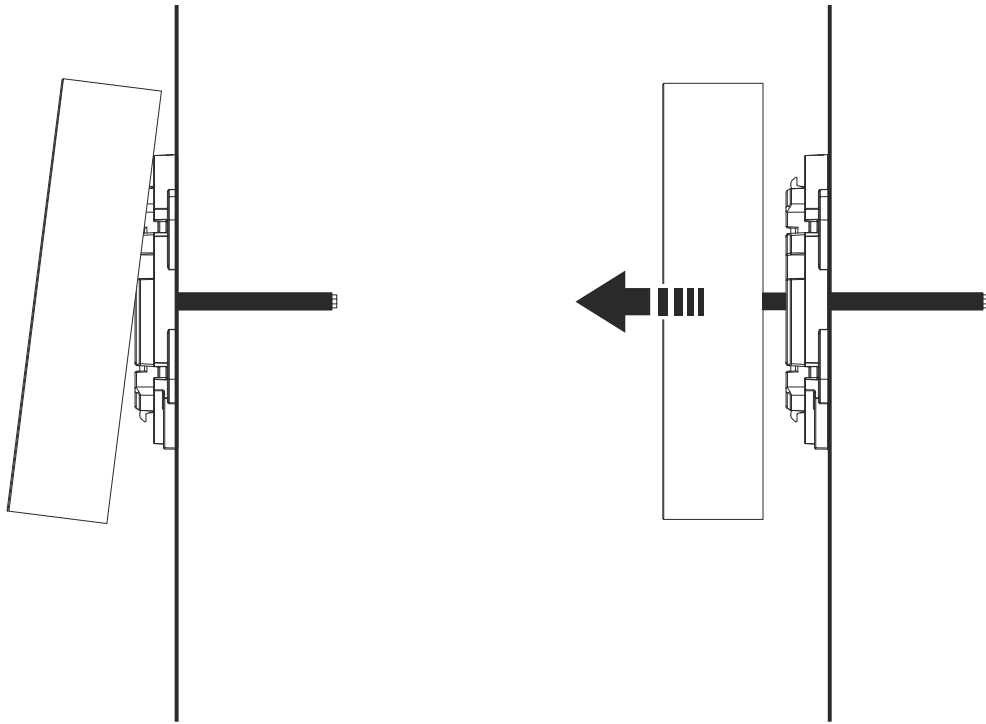
-
3. Disconnect the Control Dial from the Core (red connector).



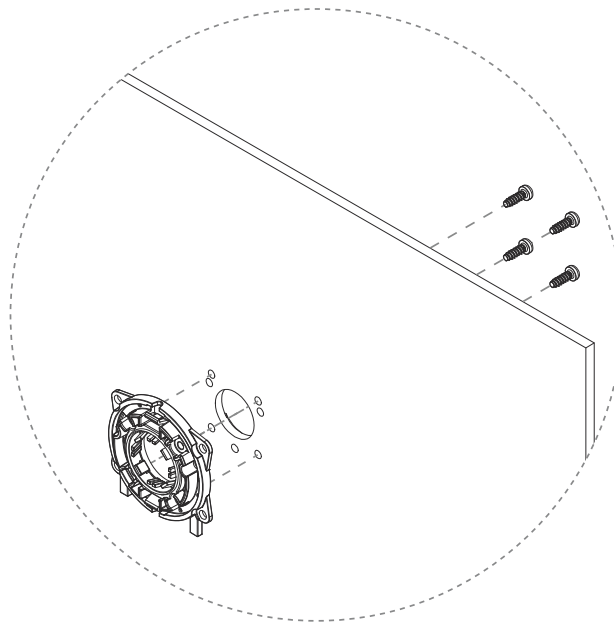
-
4. Draw the Control Dial cable from the cable channel.



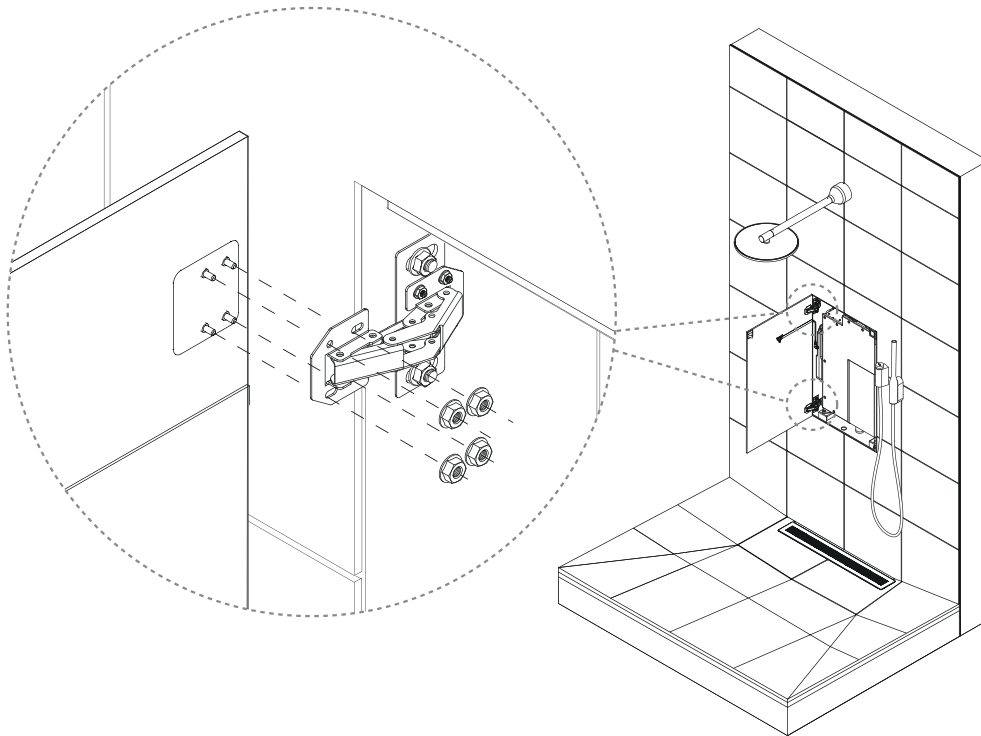
-
5. Dismantle the Control Dial by clicking the lower part. Then draw the Control Dial together with the cable.



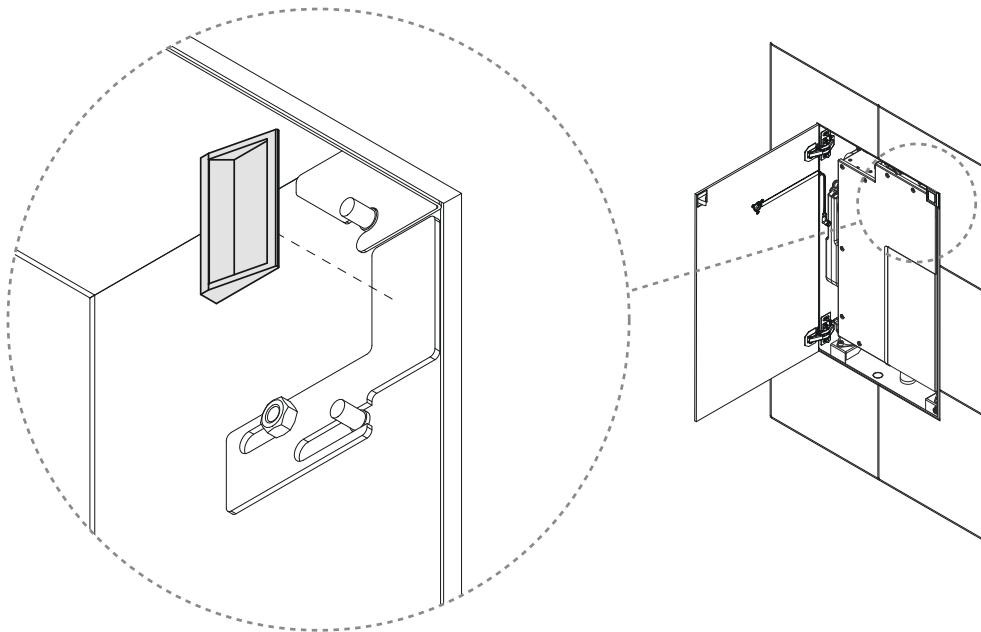
-
6. Unscrew the fixture.



7. Dismantle the hatch.

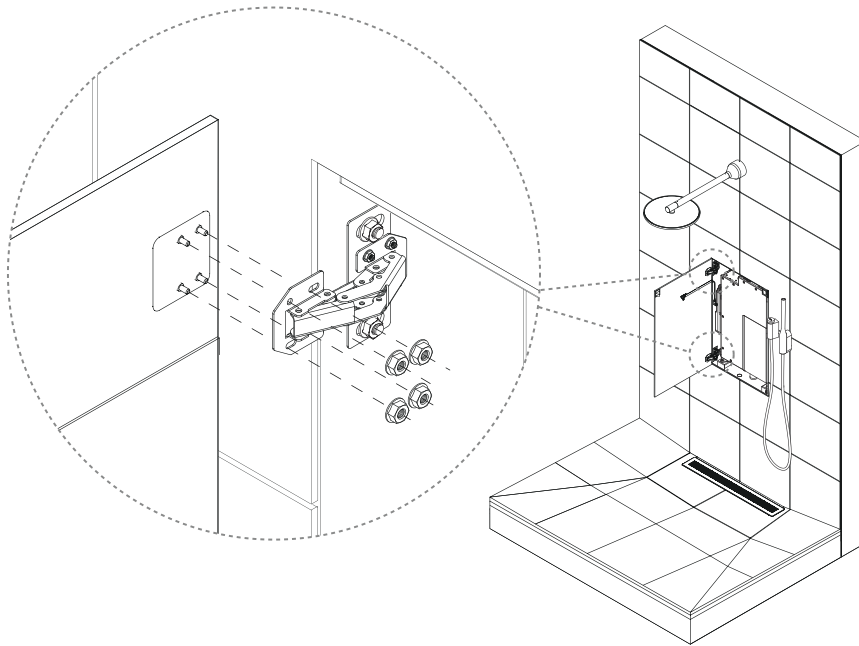


8. If needed, remove the bracket for the door lock in the Wall Box. The bracket should be reused and does not need to be replaced if it is undamaged.

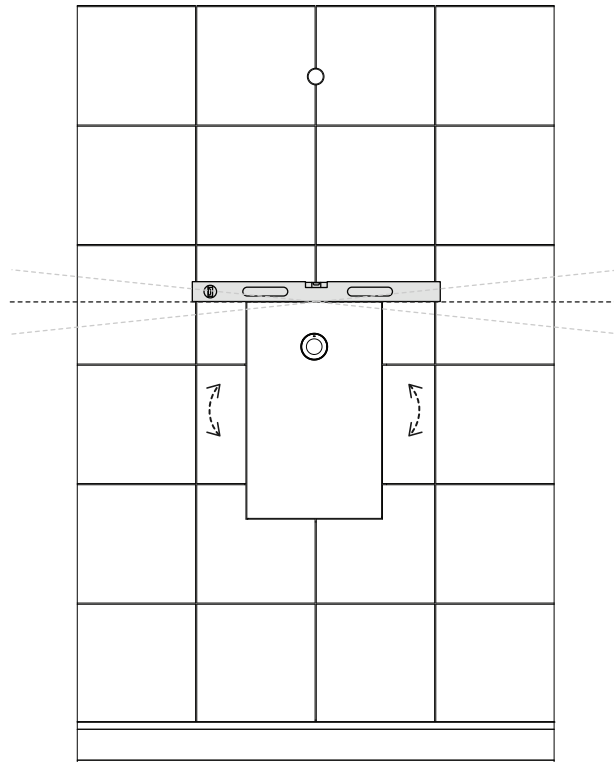


Install Panel Door

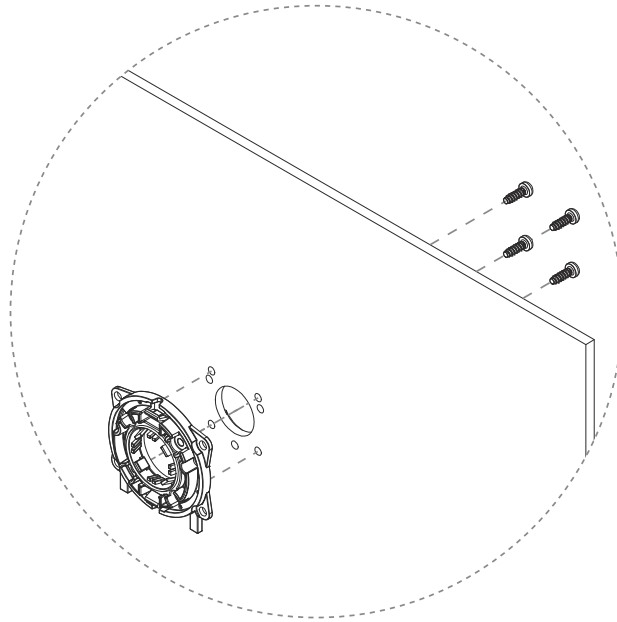
1. Mount the new door. It should be screwed on with a total of eight nuts - four on the upper hinge and four on the lower.



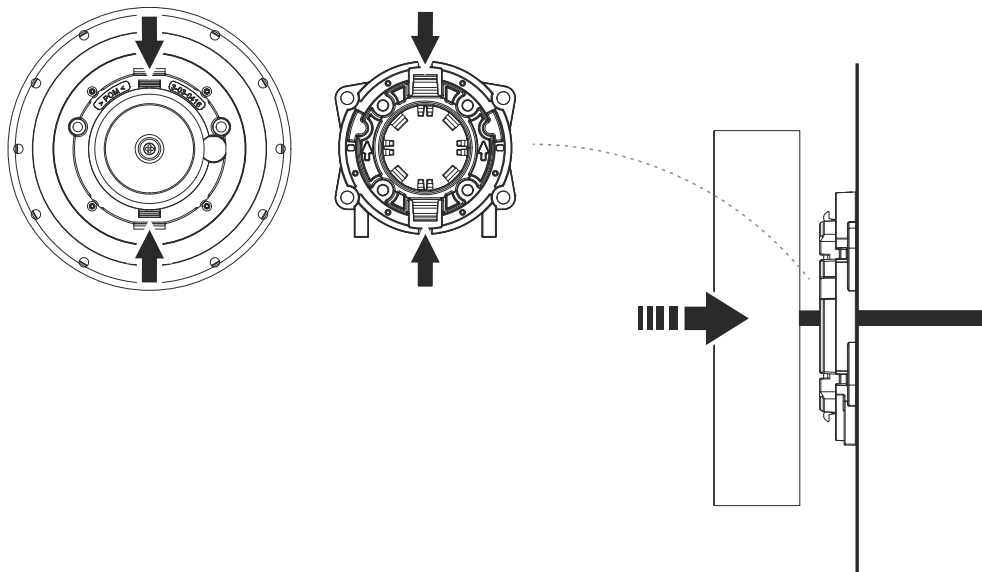
2. Adjust the angle of the hatch by loosening the four nuts slightly. Tighten the nuts when the hatch is level.



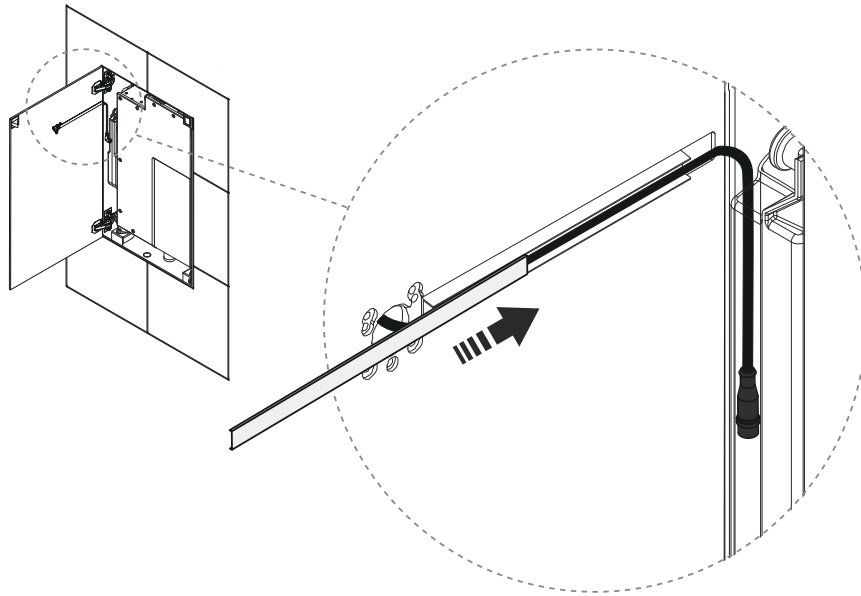
3. Mount the new fixture.



4. Attach the Control Dial by adjusting the brackets according to the arrows. Make sure it clicks when attaching.



-
5. Route the cable through the cable duct to the Core.

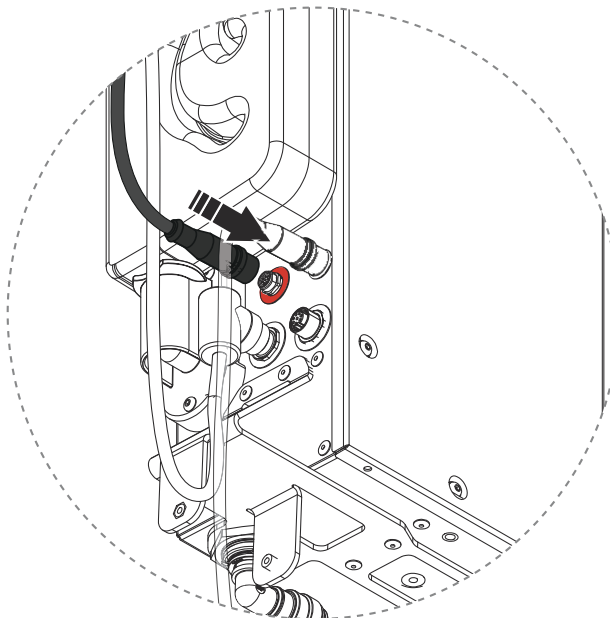


-
6. Connect the Control Dial contact to the red communication port on the Core. The connector must be tightened by hand.

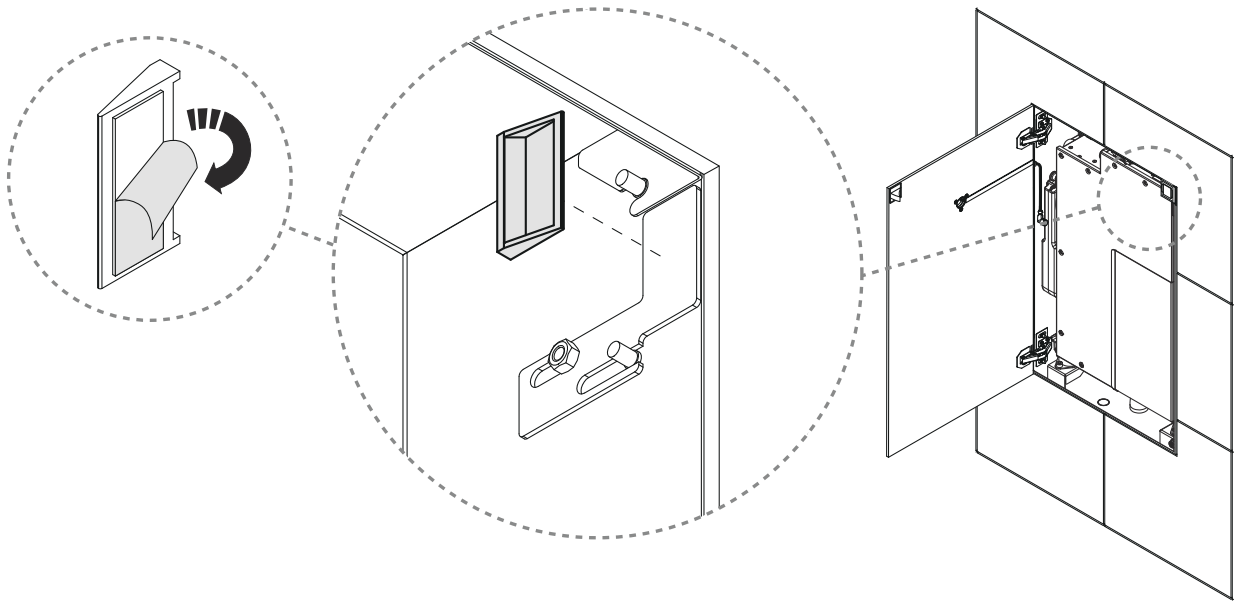


CAUTION

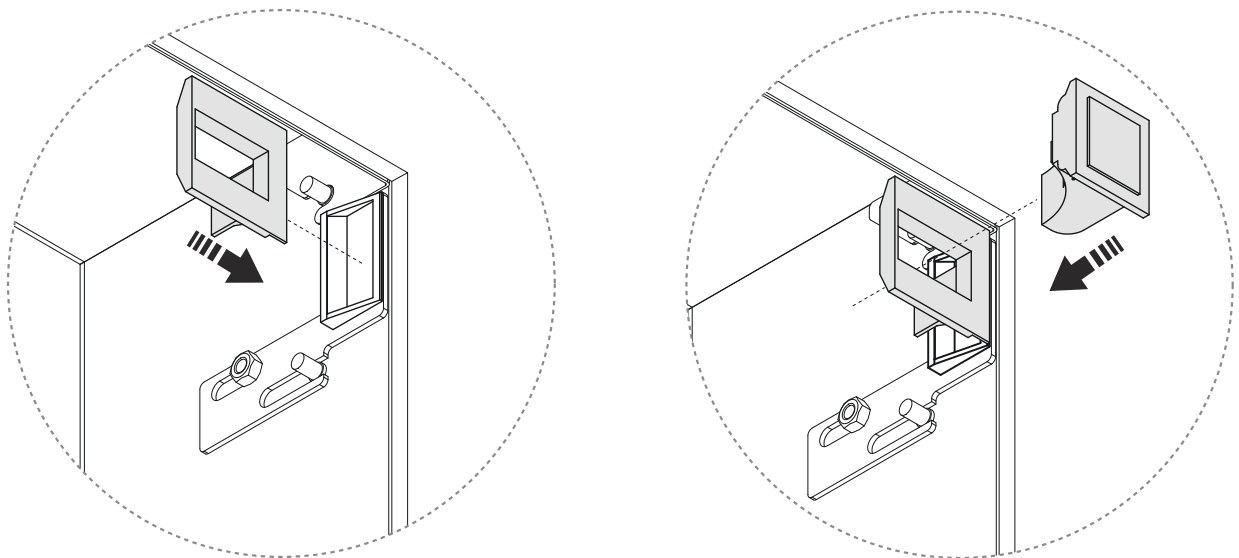
Ensure proper alignment between the connector and communication port. This must be done with special attention to prevent damage to the pins.



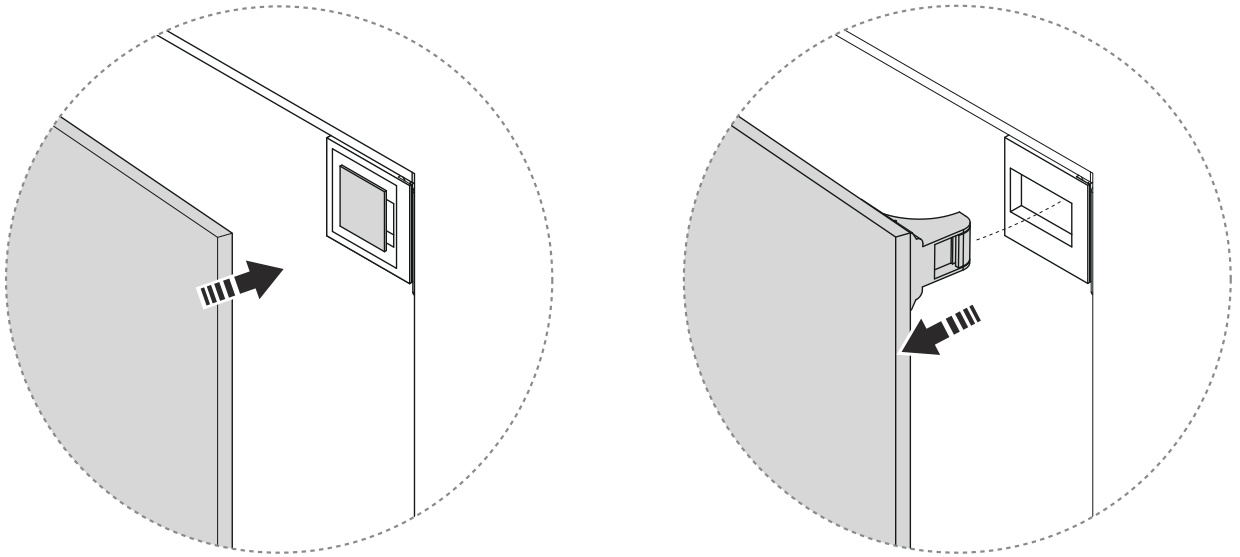
-
7. Install the door lock bracket in the upper right corner of the wall cabinet. Clean the surface before installing the bracket. This is only applicable if the bracket is to be replaced.



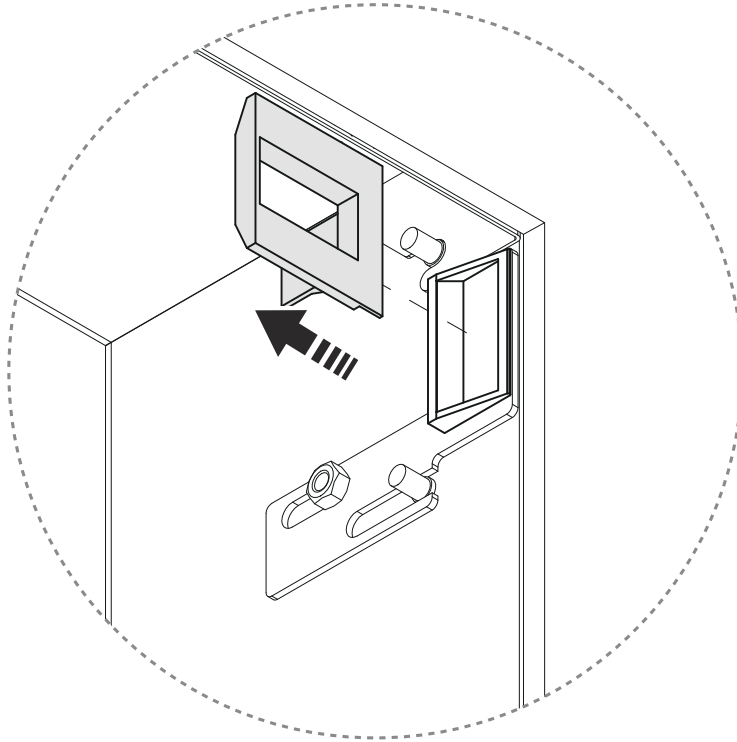
-
8. Assemble the remaining parts of the lock.



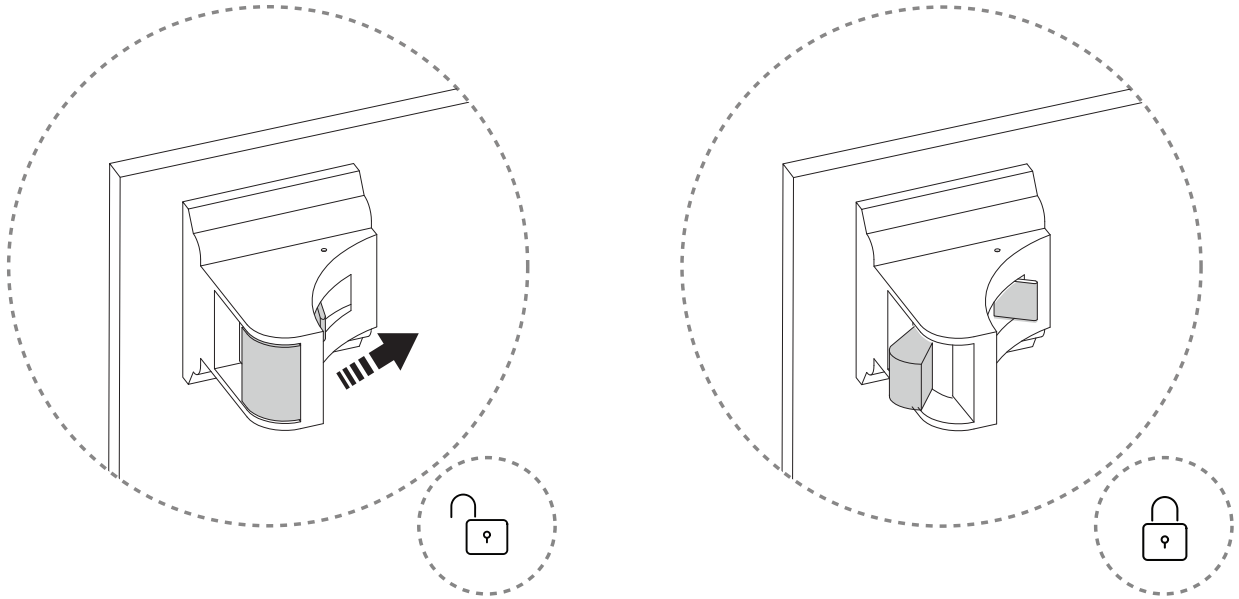
9.



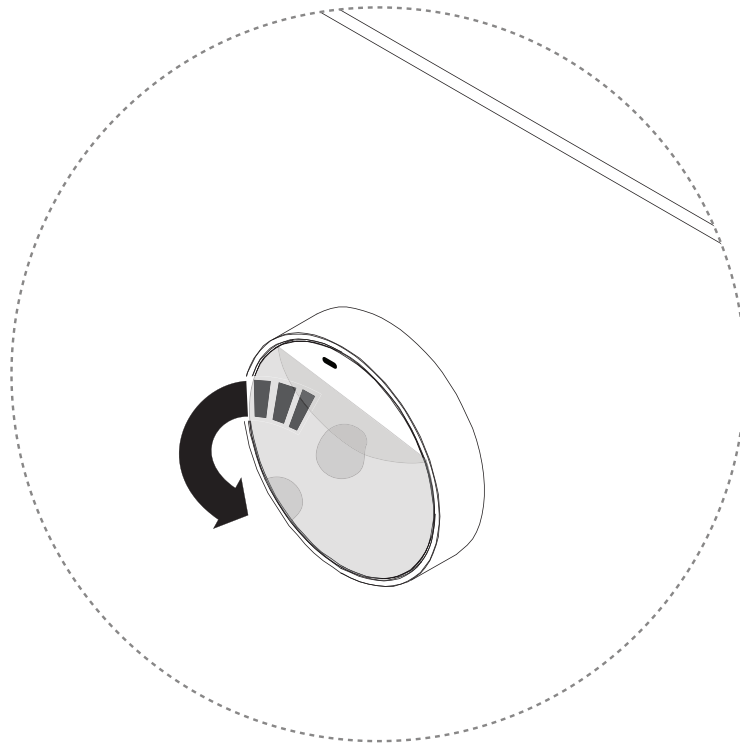
10.



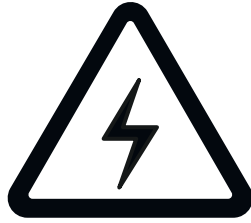
11. Put the door latch in the locked position and close the door.



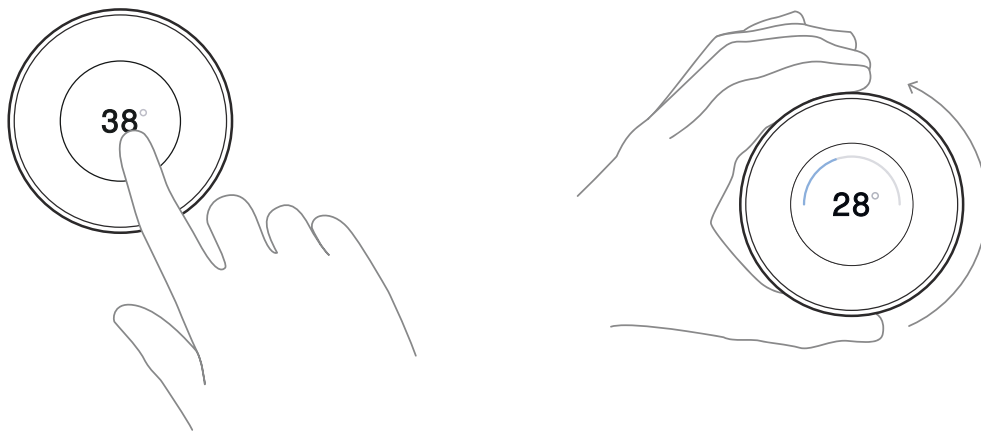
12. Remove the protective film from the Control Dial.



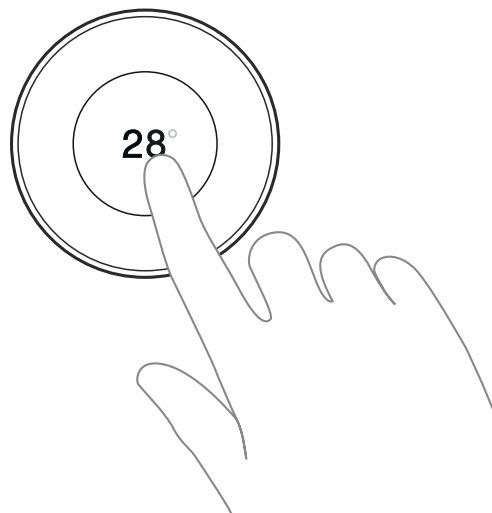
13. Turn on the power. It can take up to 3 minutes for the Core to start up.



14. Validate the Control Dial change by starting the shower and changing the temperature. The numbers on the Control Dial should follow during the temperature change.



15. Turn off the shower.



16. Recycle the parts and components that should not be reused. ♻️

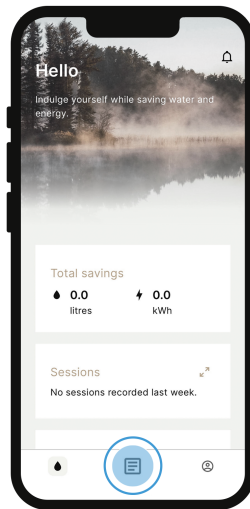
Shower activation

To set up Wi-Fi and do an installation test on the Orbital Shower, please download **My Water by Orbital Systems** from App Store or Google Play and follow the instructions below.

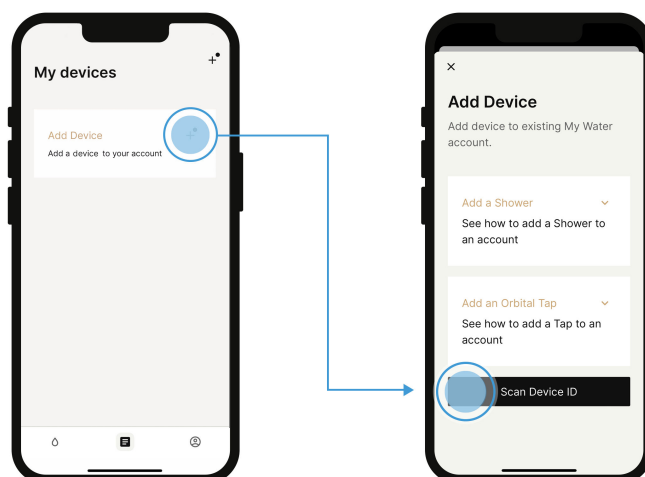
Ask your client for the name and password to their Wi-Fi.

1. Tap **Sign up** to create an account. Fill in the details asked in the app.

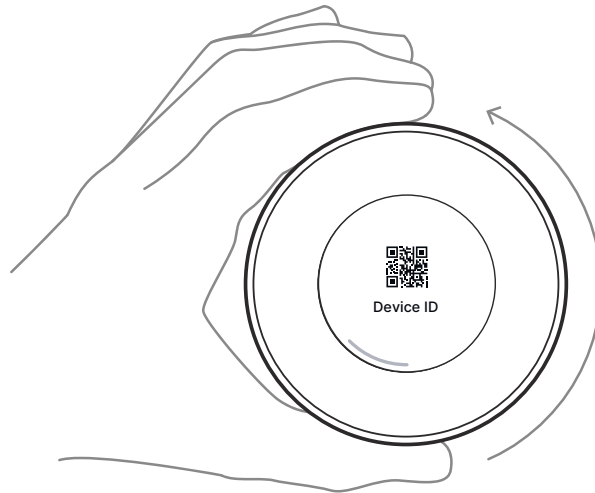
2. Once logged in to your account, tap the **bottom center icon**.



3. Continue by tapping **Add Device** and then **Scan Device ID**.



-
4. Turn the Control Dial to **Device ID**.

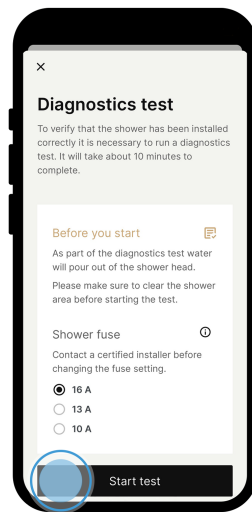


-
5. Scan the QR code.



-
6. Proceed to follow the instructions in the app to connect your shower to your Wi-Fi.

-
7. Once the shower is connected to Wi-Fi, you get the option to run a diagnostics test. Tap **Start test**. The test takes about 10 minutes and is necessary as the last step to make sure everything works as intended. If the test result is not approved, call Orbital support at +46 406 195 550.



-
8. Fill in the shower details, such as the shower name, profile, and time zone, as requested in the app. The client can adjust these details later.

The shower is now ready to be used! Tap **Start saving** to finish.

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