

KAELO



DESIGN & INSTALLATION GUIDE



CONTENTS

1. Intro to Kaelo	3
2. Inside the box	4
2.1 Base Unit box	4
2.2 Crown box	5
3. Design Allowance	6
3.1 Minimum Allowances	6
3.2 Hole Specification: Curved	7
3.3 Hole Specification: Flush	7
4. Ventilation	9
5. Install: Curved	12
6. Install: Flush	14
7. Power Up & Test	16
8. Specifications	18
9. Transport & Handling	19

2. INTRO TO KAELO

Kaelo was designed so you can enjoy that first perfectly chilled sip for the whole bottle.

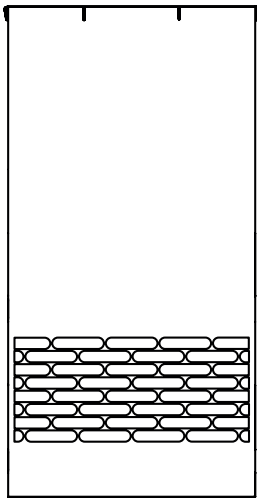
From morning to night, water to wine, *Kaelo* keeps drinks chilled and every sip at the perfect temperature. It can be integrated into any surface, and comes with the choice of three design styles: Curved, Flush or Undermount.

Note: Undermount Installation Guide will be available in July.

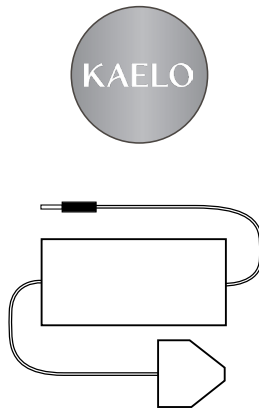


1. INSIDE THE BOX

1.1 BASE UNIT BOX:



*Kaelo or
Kaelo Plus*

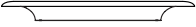


Rubber Mat
Power Adapter



User Guide
This Guide

1.2 CROWN BOX: CURVED



Curved Crown

1.3 CROWN BOX: FLUSH



Flush Crown

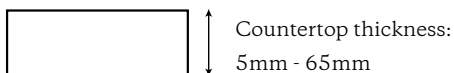
3. DESIGN ALLOWANCE

When designing with *Kaelo*, all that's required is the specification of a hole, an accessible power socket and, depending on the size of the void, a small vent to allow good airflow.

3.1 MINIMUM ALLOWANCES

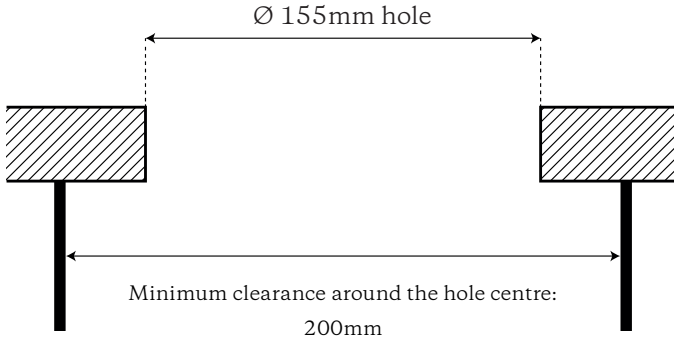
Ensure that the void has a minimum internal height of 420mm and the *Kaelo* unit is at least 73mm away from the internal walls.

If installing multiple Curved or Flush *Kaelos* into one void, ensure that the centre points of each hole are least 200mm apart.



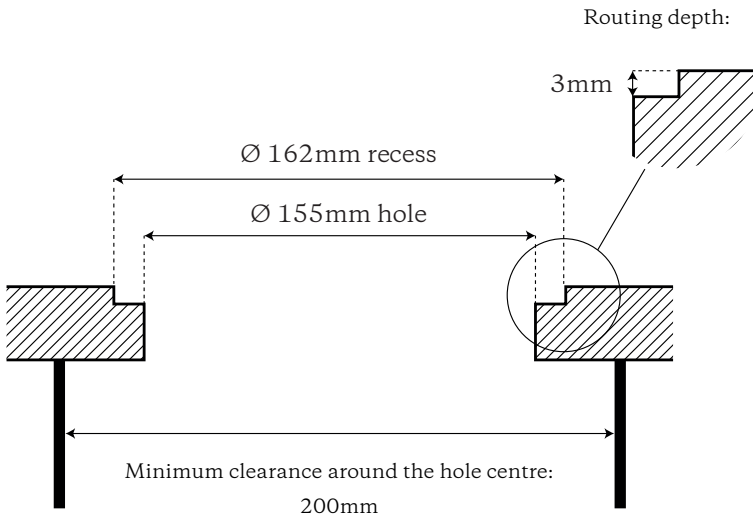
3.2 HOLE SPECIFICATION: CURVED

A 155mm hole can be created using CNC or water jet cutting.

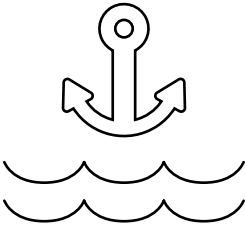


3.3 HOLE SPECIFICATION: FLUSH

Due to the required recess, the hole for a Flush *Kaelo* must be cut by fabricators only.



3.4 MARINE APPLICATIONS



If designing *Kaelo* into a yacht or marine environment:

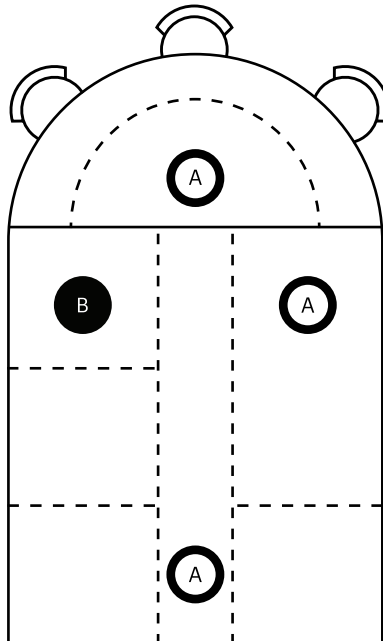
- Install in-cabin and keep dry
- Keep away from chlorinated water, such as hot tubs and swimming pools
- *Kaelo* is designed to withstand 15 volts DC for short periods of time, as is common when many vessels start up

4. VENTILATION

We advise that a small vent is included in all installations, to allow sufficient airflow to the *Kaelo* base unit. Be aware if the ambient air around the *Kaelo* is above 32 degrees, the unit will not function as intended and shutdown.

If ventilation isn't possible, there are larger voids which don't require it, see below for details. If ventilation isn't possible on a smaller void, we recommended not to install *Kaelo* in that location.

- Ⓐ Ventilation is not required when *Kaelo* is installed into a void with a volume larger than 0.128m^3
- Ⓑ A small vent is required when *Kaelo* is installed into a void with a volume smaller than 0.128m^3



INSTALL CONSIDERATIONS

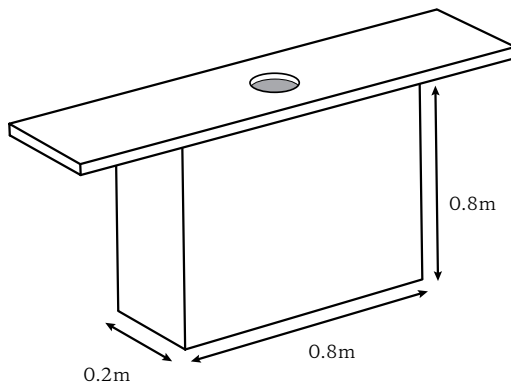
- Ensure *Kaelo* is not installed in close proximity to appliances that generate heat
- Ensure the base and sides of the *Kaelo* are not obstructed
- Ensure the base and sides of the *Kaelo* are not located in an area where they are vulnerable to damage or obstruction

4.1 EXAMPLE A - NON-VENTED INSTALL

Voids that are greater than 0.128m^3 do not require ventilation when a single *Kaelo* is installed.

If installing multiple *Kaelos* into a single void, ensure that the void allows for at least 0.128m^3 per *Kaelo*, otherwise ventilation is required.

This example would not require ventilation: $0.2\text{m} \times 0.8\text{m} \times 0.8\text{m} = 0.128\text{m}^3$

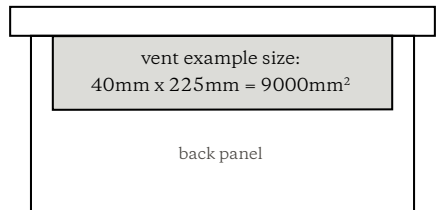
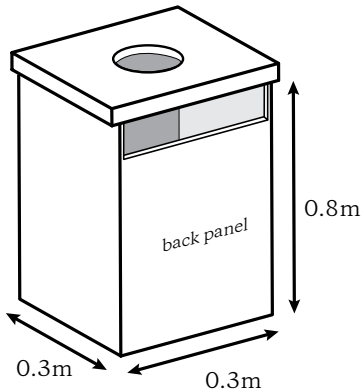


4.2 EXAMPLE B - VENTED INSTALL

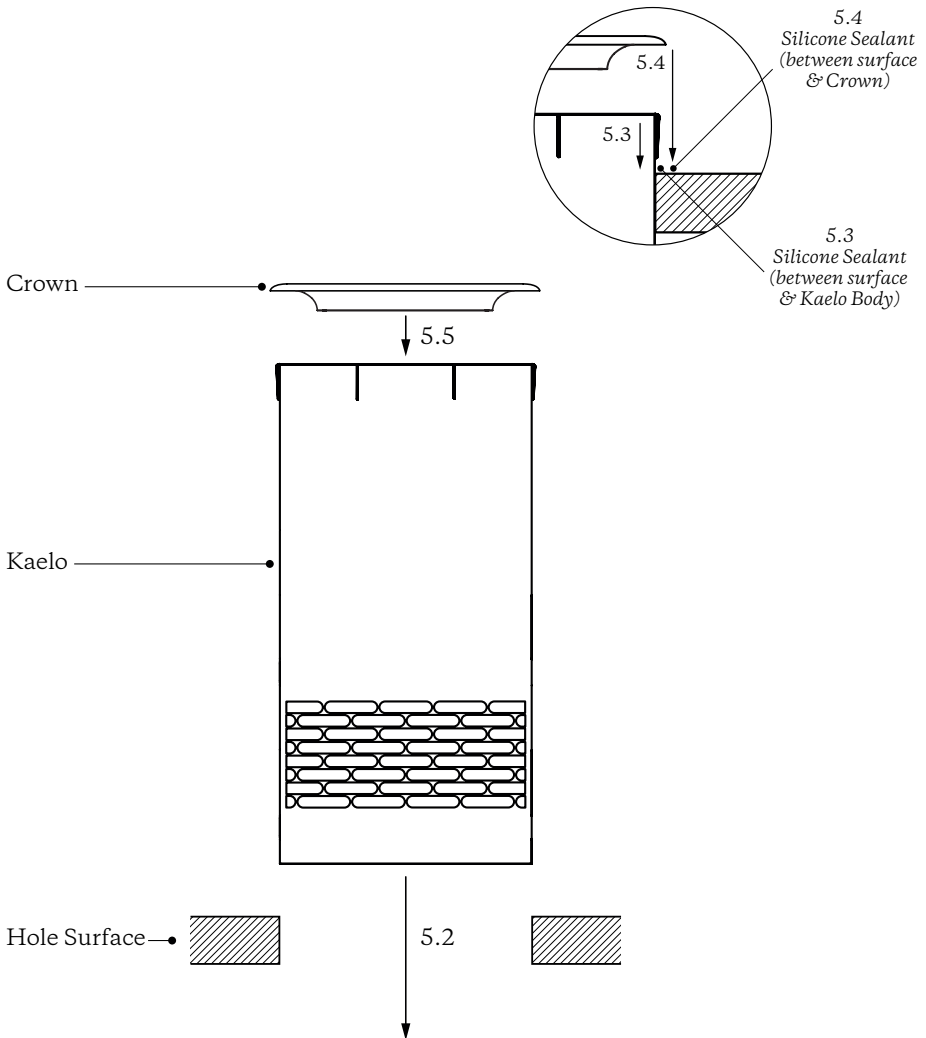
Voids that are less than 0.128m^3 require a small vent into another void or into ambient air to allow for better airflow circulation.

The vent should have an area of at least 9000mm^2 and is usually best placed in the back panel.

This example would require a vent: $0.3\text{m} \times 0.3\text{m} \times 0.8\text{m} = 0.072\text{m}^3$



5. INSTALL: CURVED



Important:

Don't place silicone between the Crown and **base unit magnets**, as the Crown must be in direct contact with the magnets to function.

Make sure no silicone residue is left on the Crown.

When wiping the silicone, ensure the Crown is not scratched.

5.1 CUT HOLE & VENT

- For hole cutting - see section 3.2
- For ventilation - see section 4.2

5.2 ALIGN & LOWER

- Carefully lift the *Kaelo* from the box using two hands and lower slowly into hole
- Ensure the white serial label is visible from the access point

5.3 SEAL SURFACE

- Before the unit is pushed down fully, place silicone around the edge of the hole and the *Kaelo* body. Then push down evenly to secure the unit in place

5.4 SEAL CROWN

- Before locating the Crown onto the *Kaelo* unit, place silicone on the worksurface, where the outside edge of the Crown will sit

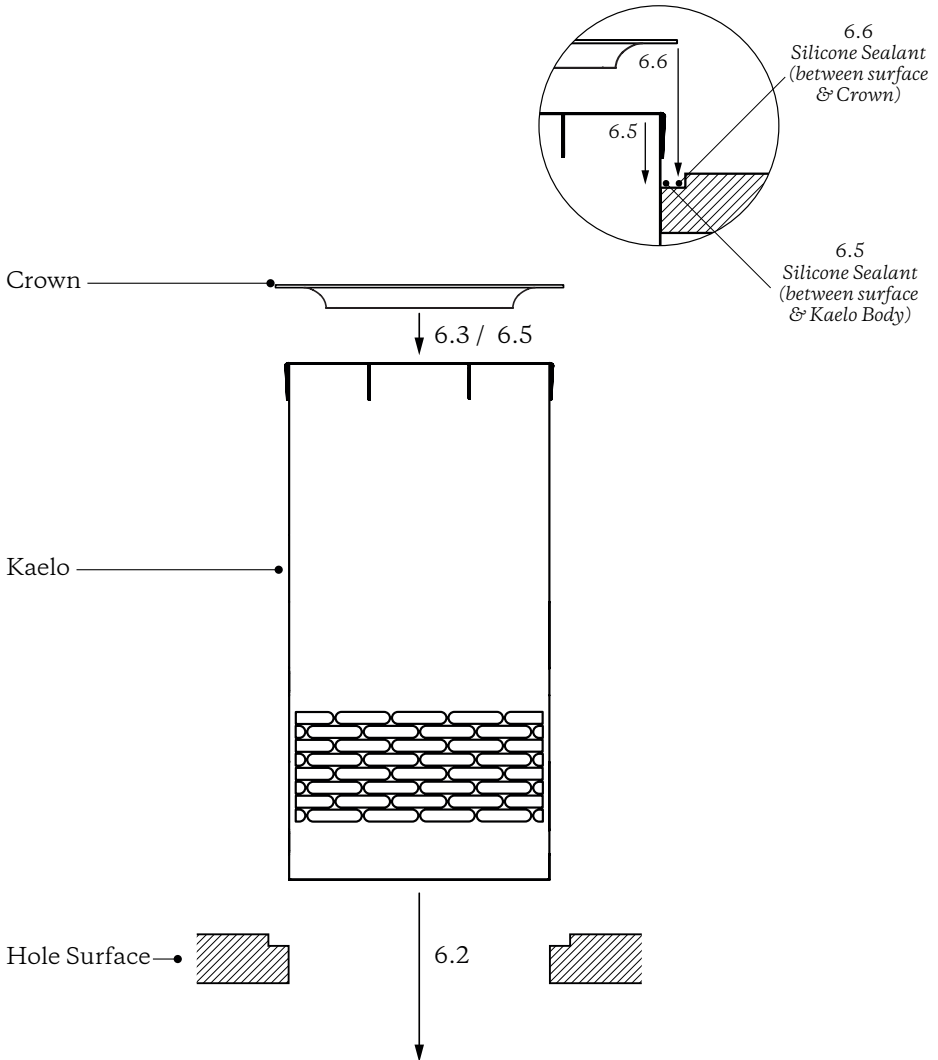
5.5 ATTACH CROWN

- Locate the Crown onto the *Kaelo*, and push down evenly to attach the magnets
- Wipe away any excess silicone, taking care not to scratch the Crown surface. The silicone will ensure its water tight
- Place the rubber mat inside the chamber
- Remove the protective film from the Crown

5.6 POWER PACK

- When positioning the appliance, ensure the power supply cord is not trapped or damaged
- Ensure the power pack is not near a surface that might be subject to liquids. Best practice is to mount onto a surrounding wall

6. INSTALL: FLUSH



Important:

Don't place silicone between the Crown and **base unit magnets**, as the Crown must be in direct contact with the magnets to function.

Make sure no silicone residue is left on the Crown.

When wiping the silicone, ensure the Crown is not scratched.

6.1 CUT HOLE, RECESS & VENT

- For hole cutting - see section 3.3
- For ventilation - see section 4.2

6.2 ALIGN & LOWER

- Carefully lift the *Kaelo* from the box using two hands and lower slowly into hole. Ensure the white serial label is visible from the access point
- Carefully press down evenly on top until flush with lower recess ledge

6.3 ATTACH CROWN

- Locate the Crown onto the *Kaelo*, push down evenly to attach the magnets

6.4 ADJUST HEIGHT

- Check to see if *Kaelo* Crown sits flush against the surface. If not, apply more silicone between the Crown and recessed surface (6.5) to level the height of the Crown

6.5 SEAL UNIT & HEIGHT

- Remove the Crown and place silicone between the recessed surface and top of the *Kaelo* unit, ensuring the unit is fully secure
- Place the Crown back on, and apply pressure to amend height, to ensure it sits flush against the worksurface

6.6 SEAL CROWN

- Use silicone to seal the outside rim between the Crown and surface, ensuring it's water tight. Wipe away any excess silicone, taking care not to scratch the Crown surface
- Place the rubber mat inside the chamber
- Remove the protective film from the Crown

6.7 POWER PACK

- When positioning the appliance, ensure the power supply cord is not trapped or damaged
- Ensure the power pack is not near a surface that might be subject to liquids. Best practice is to mount onto a surrounding wall

7. POWER UP & TEST

7.1 POWER UP & ENJOY

- Plug the *Kaelo* into the 12v power adapter supplied
- Once the *Kaelo* detects power, the lights will flash once
- To turn the *Kaelo* on after this, simply tap once on the Crown
- For full User Guide instructions, head to: kaelo.co.uk/userguide
- Or scan the below QR code to watch an instructional video:



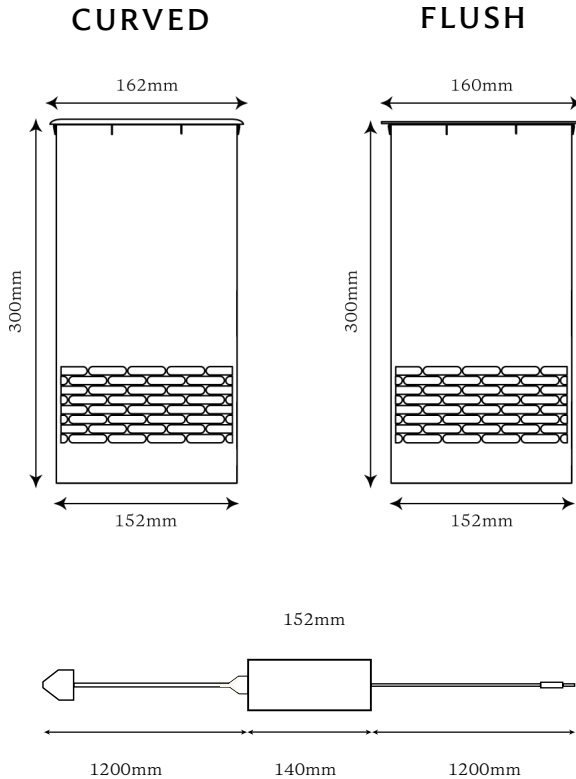
7.2 TESTING KAELO

- Once *Kaelo* is installed, please perform the following tests to ensure optimal performance:
- Check the *Kaelo* is secure by applying pressure into the chamber
- Tap once on the Crown to turn on
- Tap the Crown 3 times, wait until it flashes, then tap repeatedly to check the lights change colour
- Hold your finger down on the Crown. Check that the lights change from off, to red, to blue then white
- Touch the base of the chamber after 3 minutes to check the *Kaelo* is cold
- To turn off, touch and hold the Crown for 2 seconds until the lights turn off
- Once off, touch the Crown to power *Kaelo* back on

7.3 TROUBLESHOOT

- If the *Kaelo* is not operating properly, switch it off and on at the switch. On most occasions, the error can be detected by the red flashes. For more information, head to: kaelo.co.uk/care
- If the problem persists, get in touch: (+44)20 7870 1115
- Quote the unique serial code when getting in touch. This be found at the base of the chamber, underneath the mat, and on the side of the base unit
- Each *Kaelo* unit has a 2-year warranty, this can be activated online at: kaelo.co.uk/activate

8. SPECIFICATIONS



Adapter Input Voltage	100 to 240V AC, 2.5A, 50-60Hz
Kaelo Input Voltage	12 volts
Max Power Usage	85 watts
Max 12v DC Amps	7.5 amps
Auto Switch Off	After 2 hours Tap within the last hour to extend Auto Switch Off by an extra hour
Ambient Temp. Limit	10 to 32°C / 50 to 90°F Kaelo will automatically switch off if the temperature is above 32°C / 90°F

9. TRANSPORT & HANDLING

Please only install a *Kaelo* into a fixed surface or unit that will not be moved. If the surface or unit must be moved, please return the *Kaelo* to its original packaging and install once the surface/unit is in its final location and position.

Damages to the appliance, as a result of transporting while installed are not covered under the *Kaelo* warranty.

KAELO

**Each installation is unique to circumstances.
If you have any questions, please contact us on:**

info@kaelo.co.uk or call us on (+44) 20 7870 1115
This guide is available online at kaelo.co.uk/install