

LIFECUBE INSTALLATION

Overview



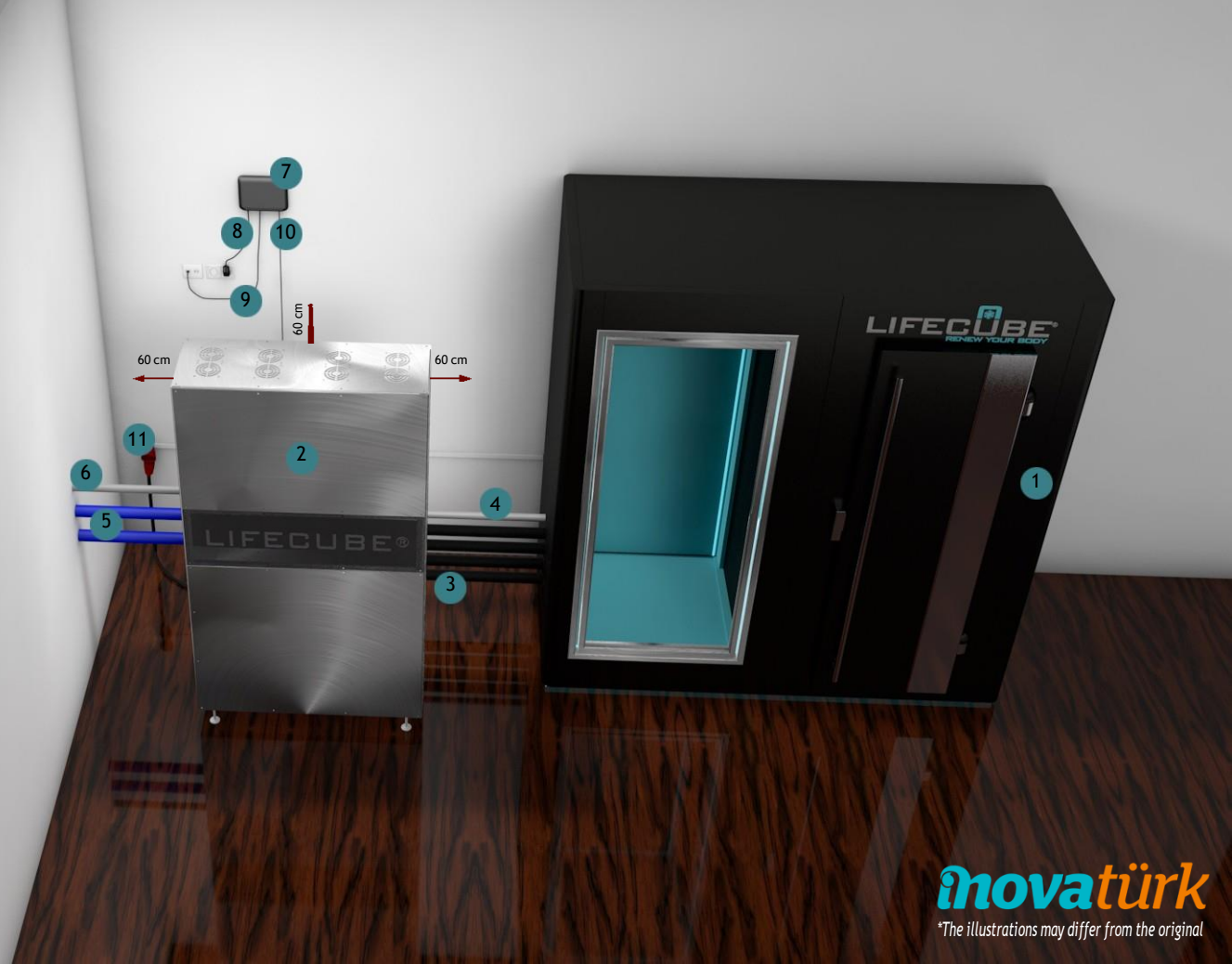
Installation guide

1. Cryo chamber LifeCube
2. Aggregate
3. Four refrigerant pipes
4. Power line
5. Two water pipes (customer provides two core drillings of 60 mm (2.4 in) in diameter)
6. Power line (customer provides one core drilling of 60 mm (2.4 in) in diameter)
7. Router (customer provides router & internet connection)
8. Power supply
9. Network cable RJ45, CAT6a
10. Network cable RJ45, CAT6a (provided by customer)
11. High voltage current cable (customer provides high voltage current in aggregate room - Requirements: 50 Hz, 400 V, 32 A)

Attention: To avoid interference, the high voltage cable must be at least 30 cm (11.8 in) away from the network cable RJ45!

Guarantee: Floor is stable and level

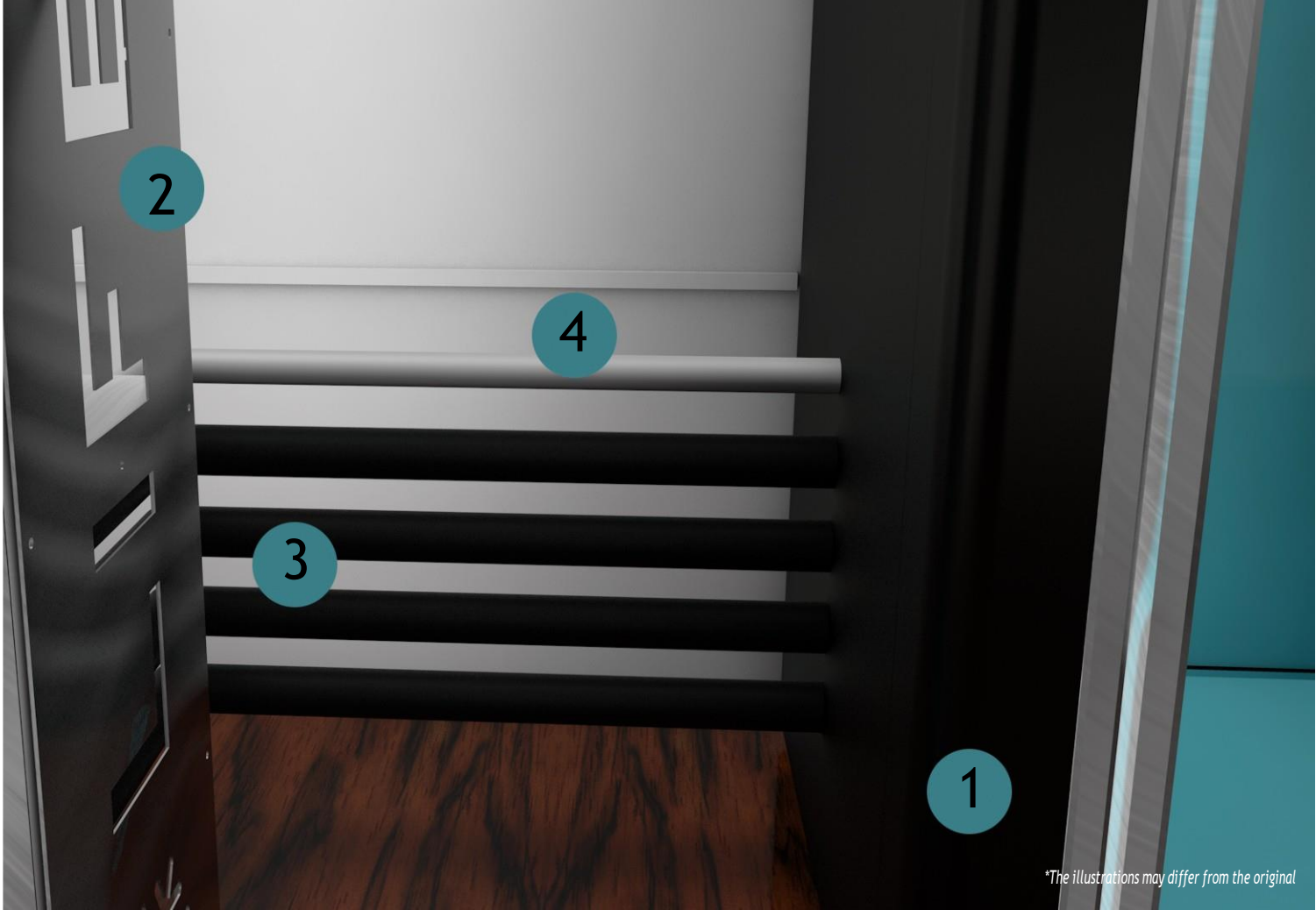
Note: To make installation and repairs easier, we recommend a distance of 60 cm (23.6 in) between the aggregate and the wall



Installation guide

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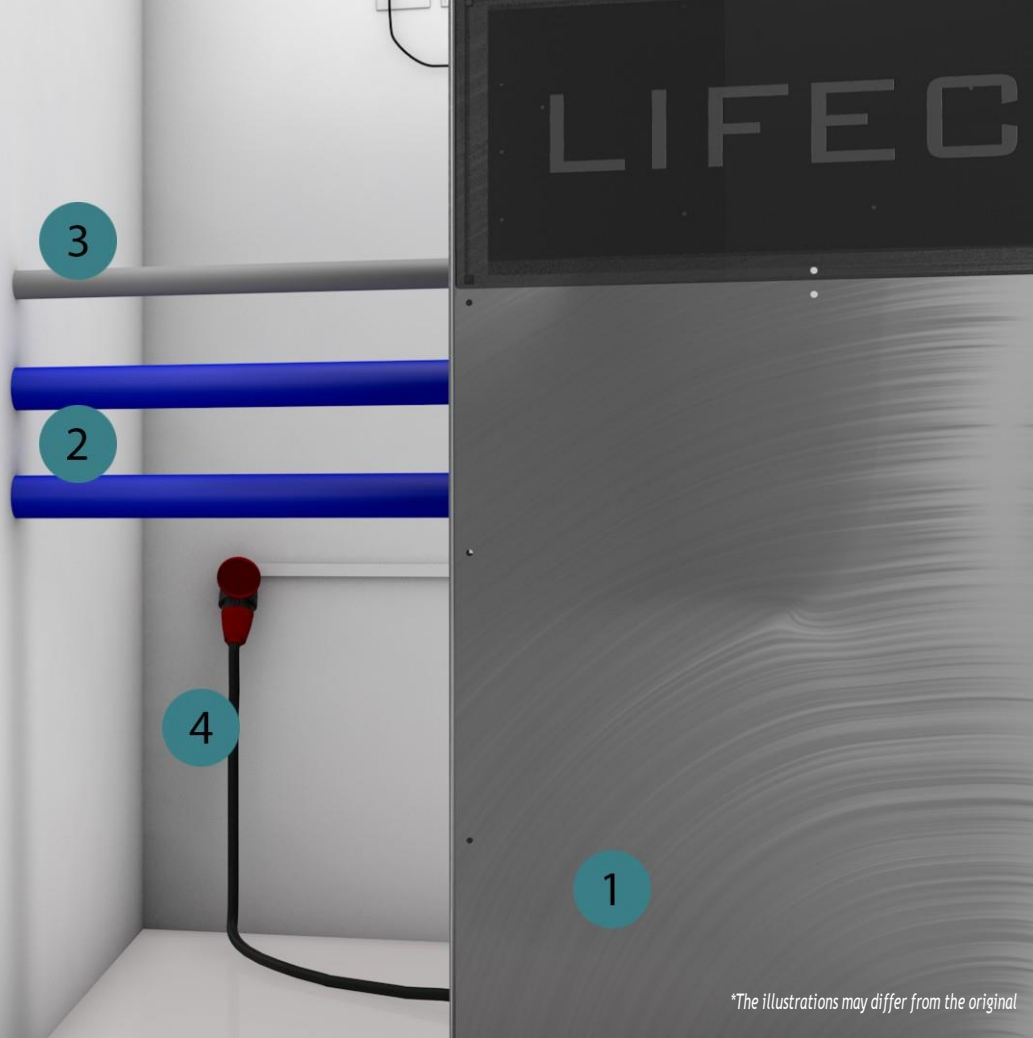
Installation guide

1. Aggregate
2. Two water pipes (customer provides two core drillings of 60 mm (2.4 in) in diameter)
3. Power line (customer provides one core drilling of 60 mm (2.4 in) in diameter)
4. High voltage current cable (customer provides high voltage in aggregate room - Requirements: 50 Hz, 400 V, 32 A)

Attention: To avoid interference, the high voltage cable must be at least 30 cm (11.8 in) away from the network cable RJ45!

Guarantee: Floor is stable and level

Note: The maximum distance between the aggregate and water chiller is 50 m (55 yd)

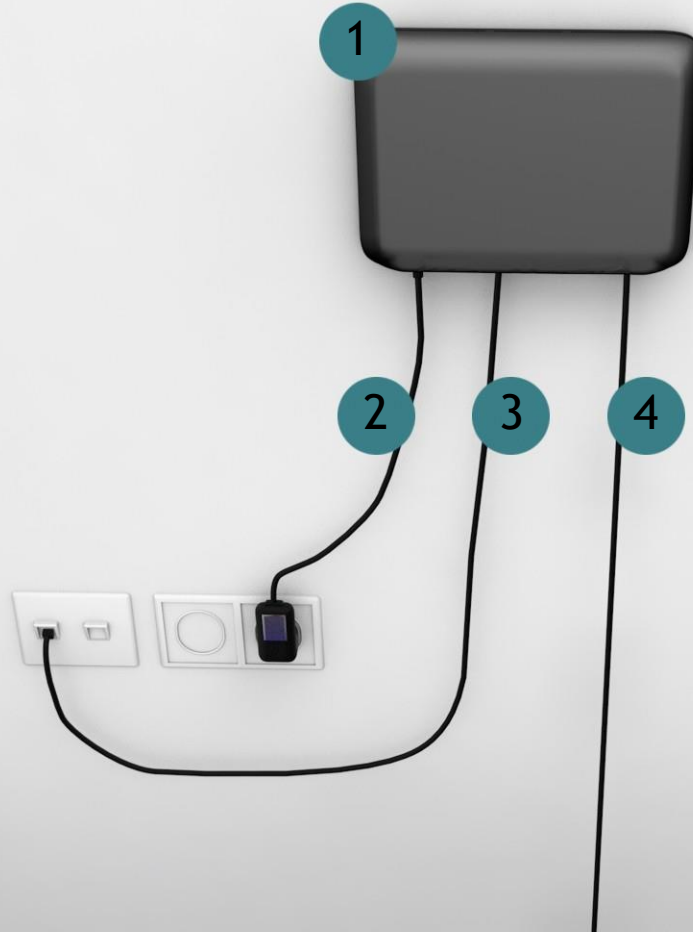


Installation guide

1. Router (customer provides router & internet connection)
2. Power supply
3. Network cable RJ45, CAT6a

Attention: To avoid interference, the high voltage cable must be at least 30 cm away from the network cable RJ45!

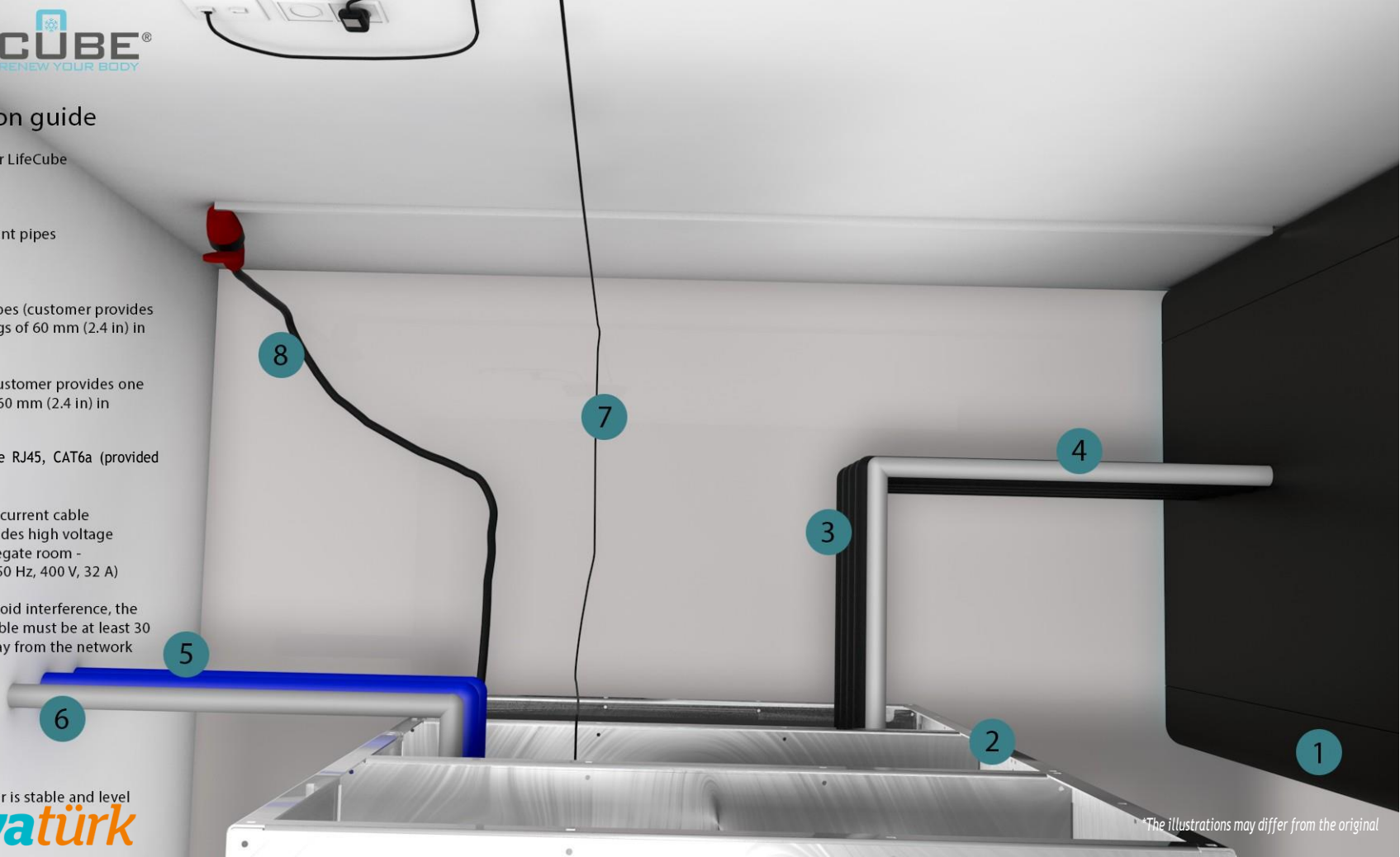
4. Network cable RJ45, CAT6a (provided by customer)



Installation guide

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8. High voltage current cable (customer provides high voltage current in aggregate room - Requirements: 50 Hz, 400 V, 32 A)

Attention: To avoid interference, the high voltage cable must be at least 30 cm (11.8 in) away from the network cable RJ45!



Guarantee: Floor is stable and level

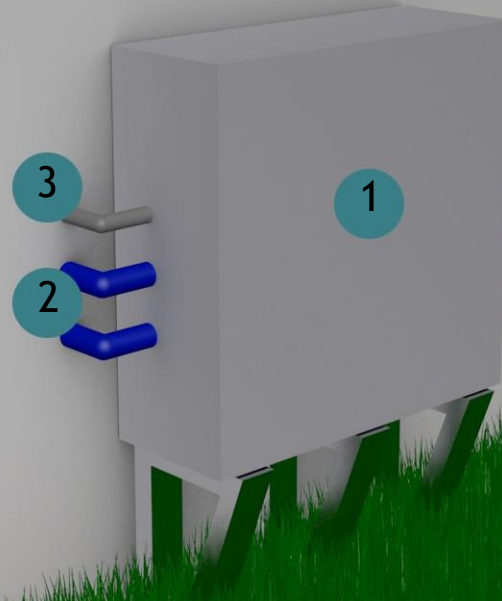
Installation guide

1. Water chiller
2. Two water pipes (customer provides two core drillings of 60 mm (2.4 in) in diameter)
3. Power line (customer provides one core drilling of 60 mm (2.4 in) in diameter)

Guarantee:

- Floor is stable and level
- Exterior facade is stable

Note: The maximum distance between the aggregate and water chiller is 50 m (55 yd)



LIFECUBE INSTALLATION

Distance between
cryo chamber & aggregate



Installation guide

1. Cryo chamber LifeCube
2. Aggregate
3. Four refrigerant pipes
4. Power line

Guarantee: Floor is stable and level

Attention:

- The refrigerant and power line length is 15 meters
- If the pipe route is straight, the distance between chamber and unit is max. 15 meters



Installation guide

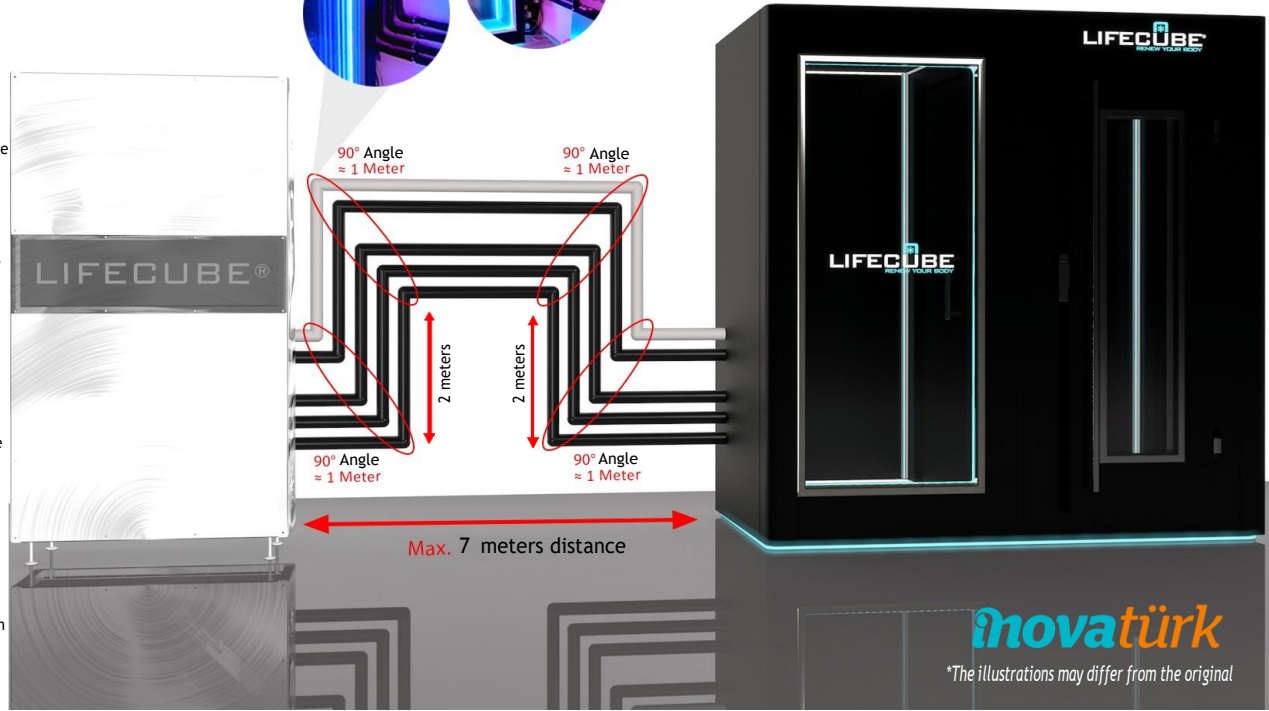
Attention:
• The refrigerant and power line length is 15 meters

In the case of an uneven pipe route (e.g. pipes run through another room or past obstacles) the distance between the chamber and the unit decreases. From the total distance, the following must be subtracted:

- Total height of all vertical pipes
- one meter for every 90° angle

In this example, the distance between chamber and aggregate is only 7 meters:

- 15 meters pipe length
 - 4 * 1 meter (right angle)
 - 2 * 2 Meter (vertical pipe length)
-
- = 7 meters distance between chamber and aggregate



LIFECUBE INSTALLATION

General note



The floor is level and stable



Fire detectors in the installation area must be switched off before installation



A parking space in close proximity to the facility must be organized
(Dimensions of the transporter LxWxH in cm: 765 x 220 x 310)



The humidity in the room of the cryo chamber is max. 30%



The room temperature of the cryo chamber is max. 20 °C



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