Xfresh-r®

Xfresh-r
everywhere®
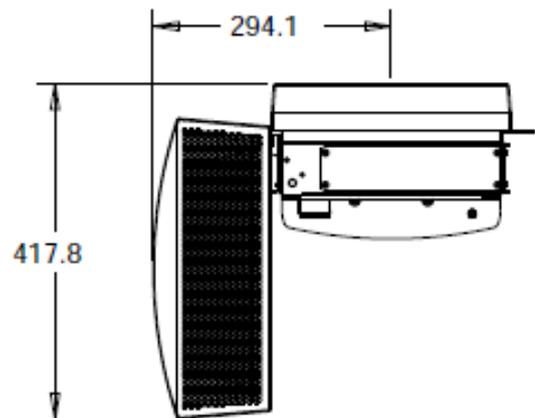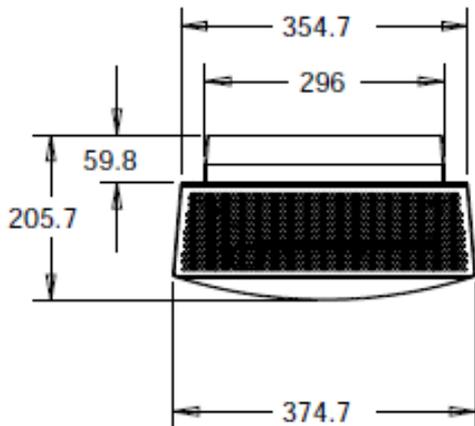
On-The-Wall

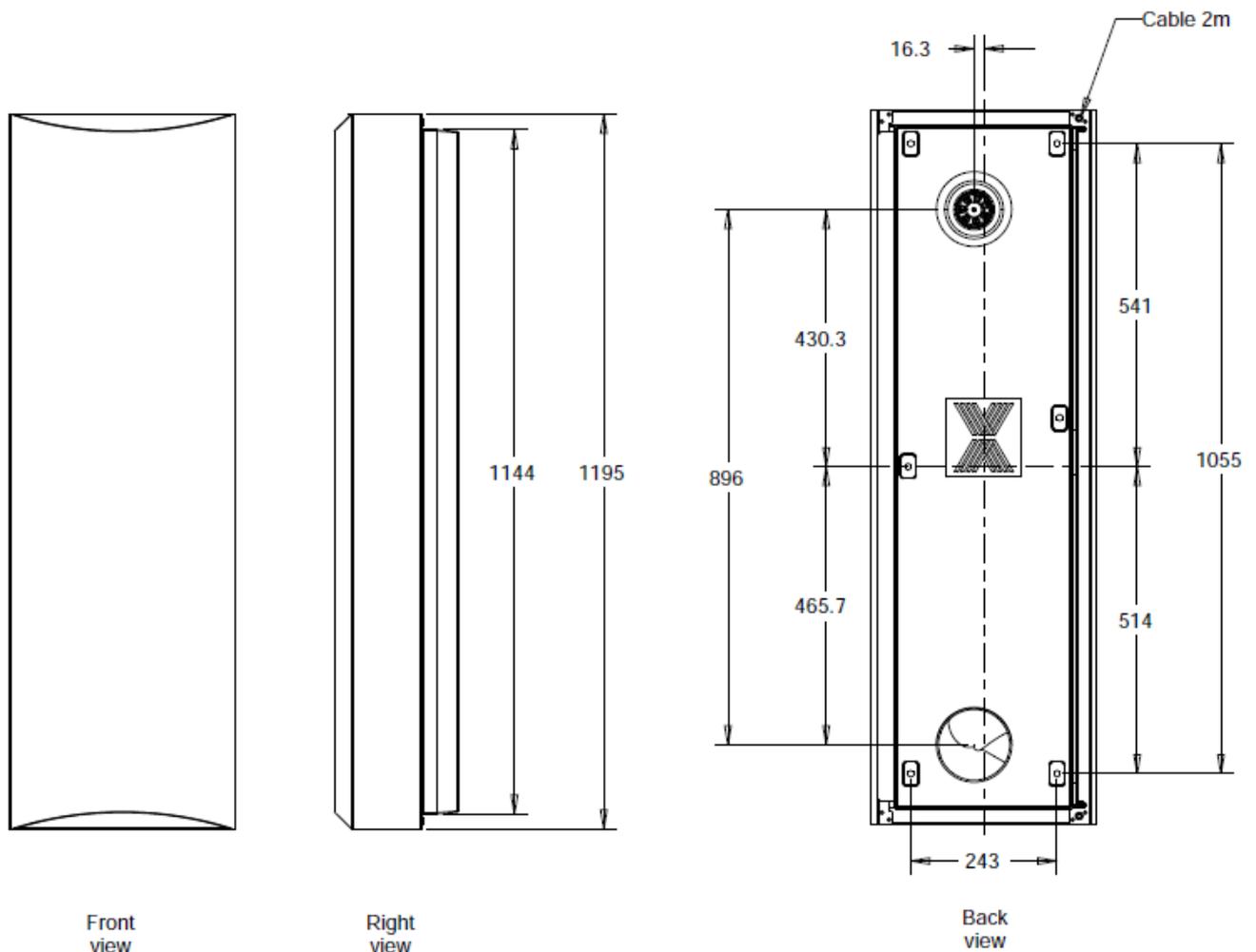**QUICK GUIDE** Installation manual

CE

Installation Guide

1. Select desired location to install the Fresh-r

   a. Please do reference the installation drawings – the hinged side of the door needs to have clearance for the door to operate.
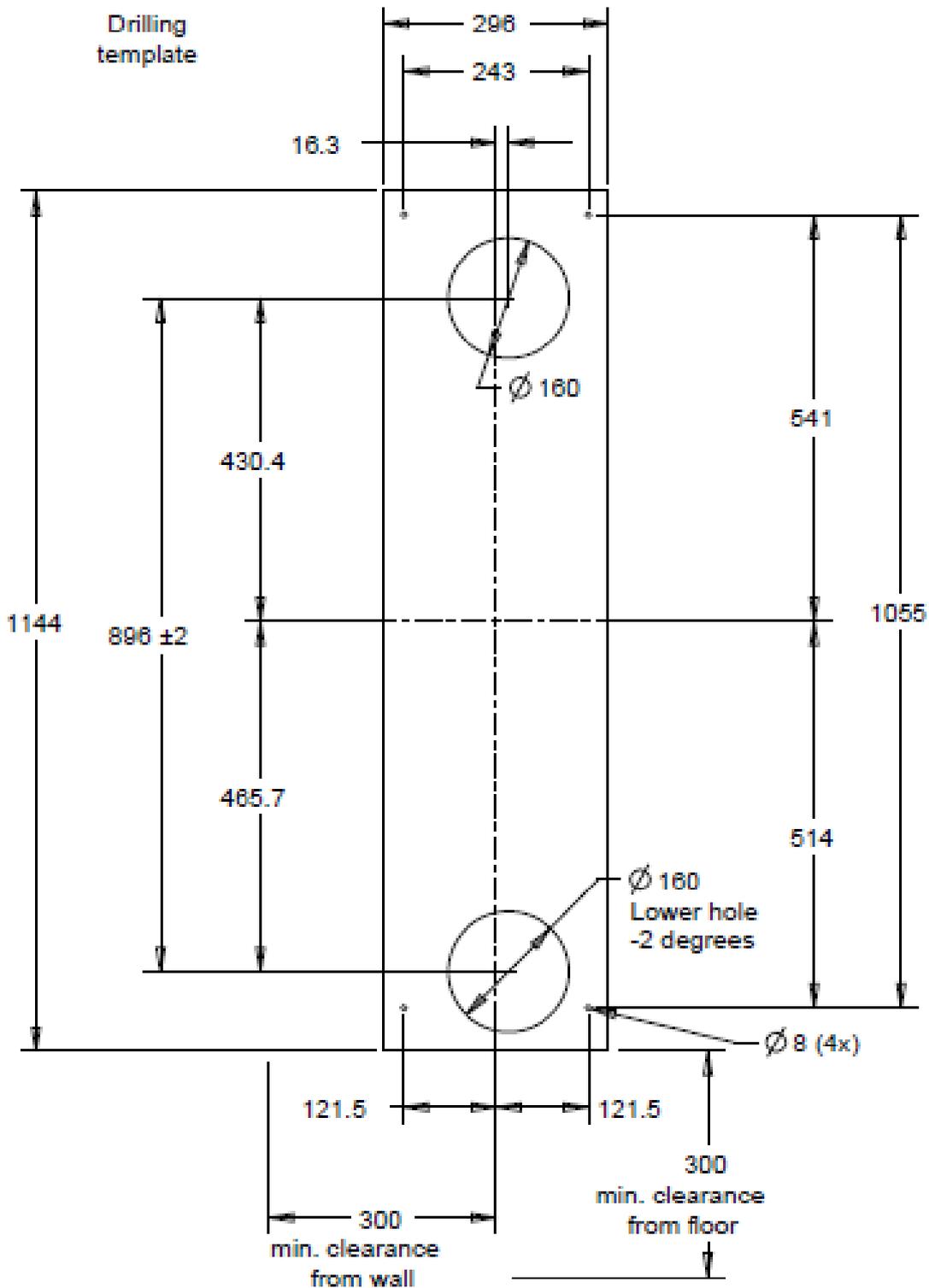   b. Opposite of the hinge the door can be situated against a wall with 2 mm clearance.

OTW standard unit with left hand hinge – door opening right to left

Front view   Right view   Back view

2. Mark the holes centers at 897mm taking note of the off-set to the right of the center -line

3. Mark the 4 fixation screw centres

Fresh-r On The Wall Drilling Template

Drilling template

296

243

16.3

Ø 160

541

430.4

1144

1055

896 ±2

465.7

514

Ø 160
Lower hole
-2 degrees

Ø 8 (4x)

121.5

121.5

300
min. clearance
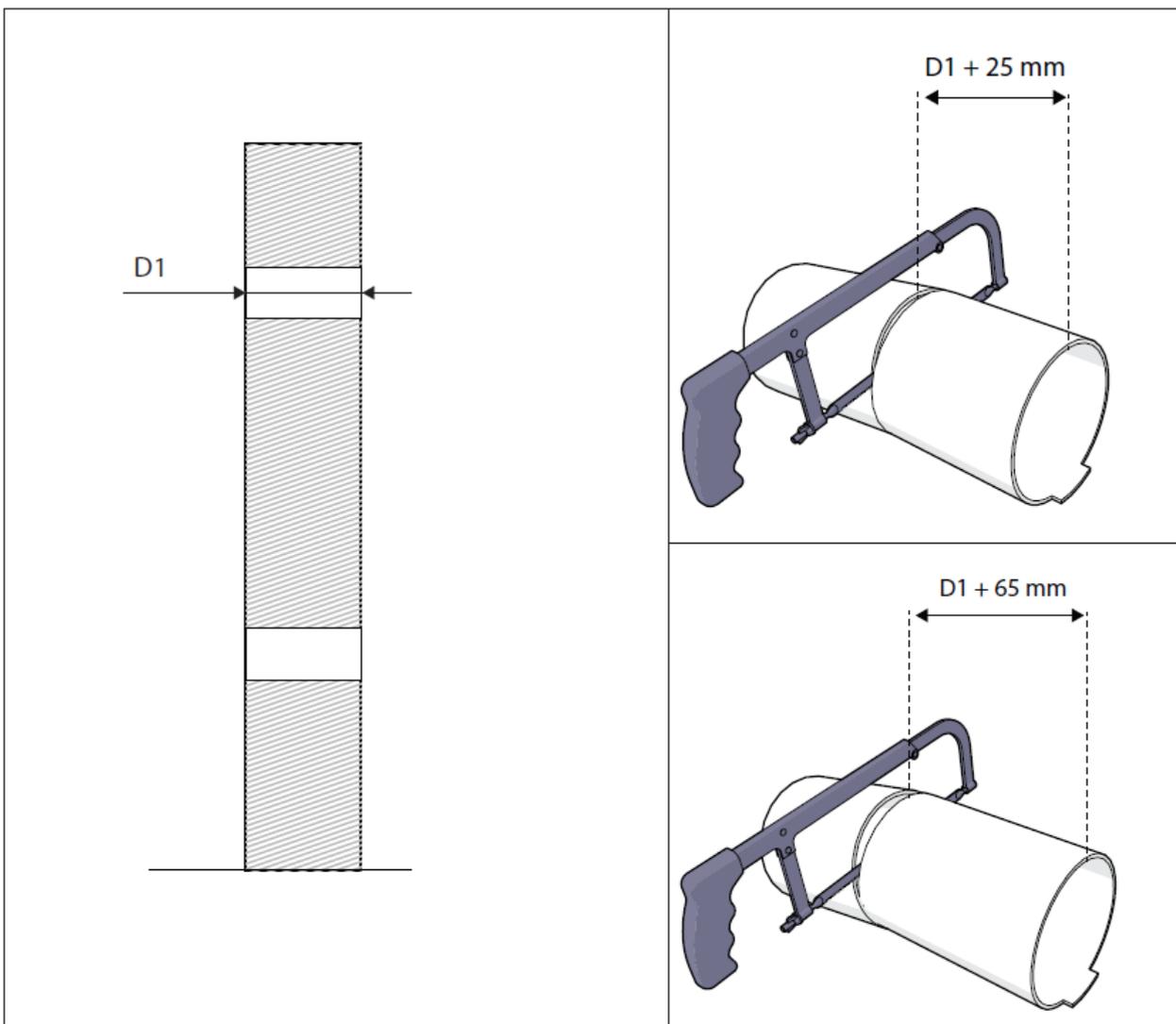from floor

300
min. clearance
from wall

4. Bore the two holes @ 160mm dia through the wall. Take note that the bottom hole needs to have a slight fall to encourage drainage of the condensate to outside.

5. Drill the 4 fixation screw holes with an 8mm drill and insert the raw lugs

6. Cut the duct pipes to length

   a. Cut the upper duct pipe (input fresh air) to the total width of the wall (D1) + 25 mm.

   b. Cut the lower duct pipe (output stale air) to the total width of the wall(s) (D1) + 65 mm.

7. Insert the duct pipes into the Fresh-R. Use PVC glue for the bottom pipe to ensure that it is water tight.
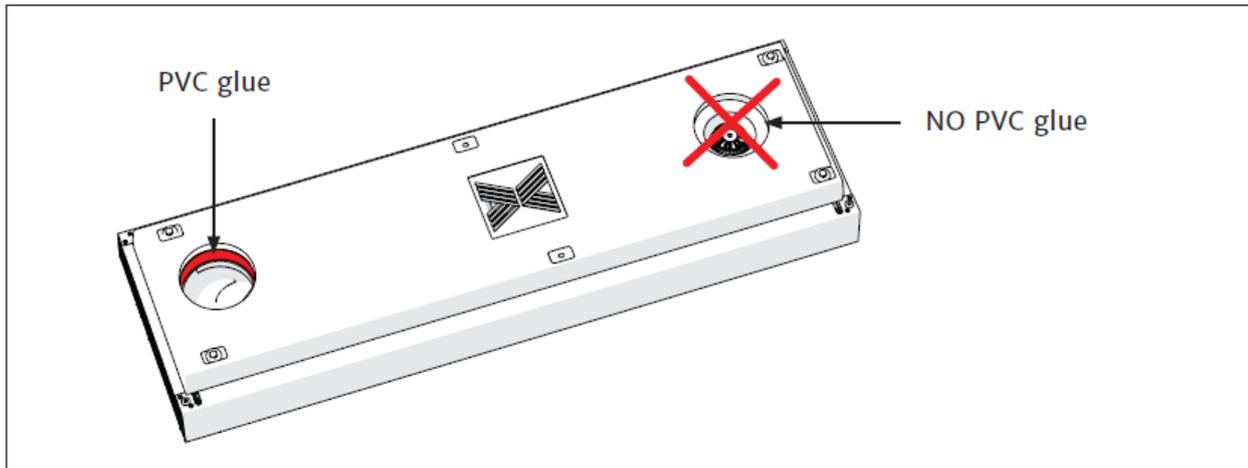

PVC glue

NO PVC glue

fig. 9   Put PVC glue in the stale air output socket on the white ring only

8. Fit the EPP insulation sleeves and seal to the Fresh-r with EPP glue - eg POLYMAX. Trim to length with a knife.
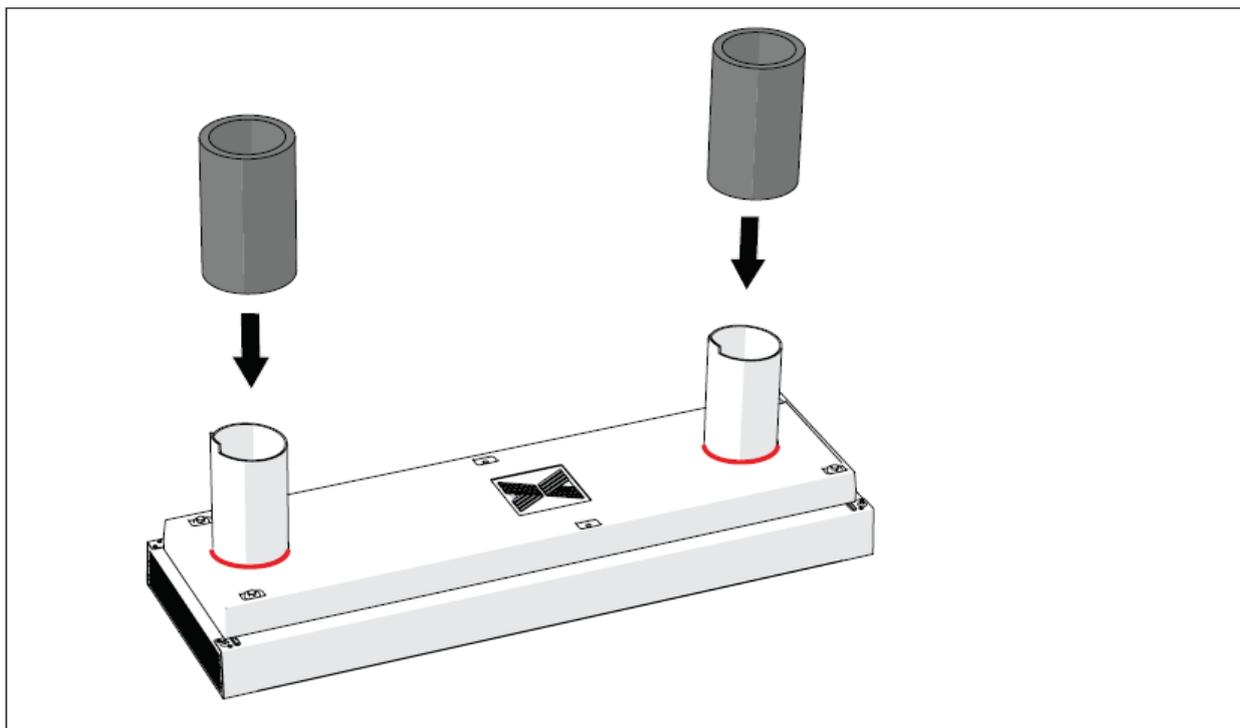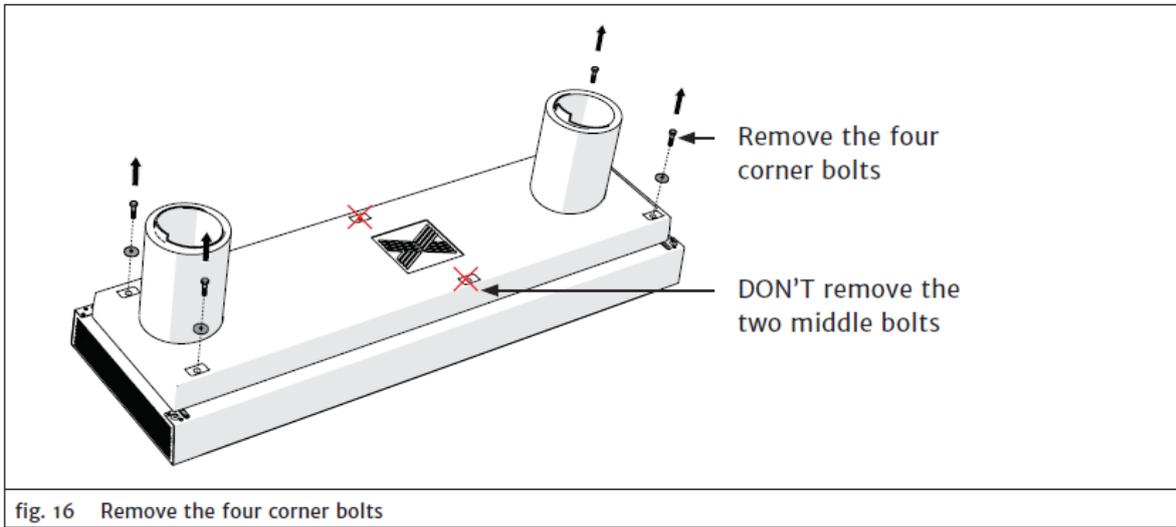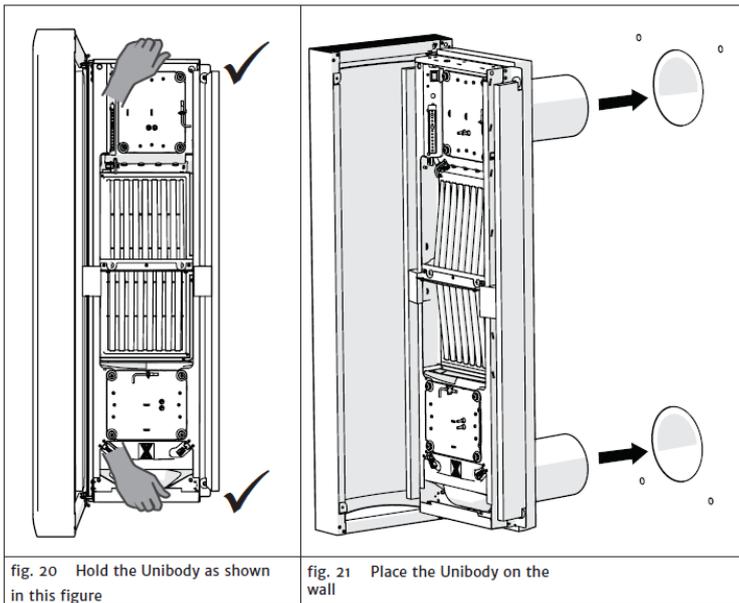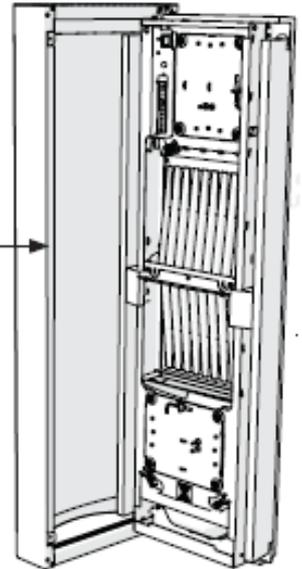

fig. 12   Place the EPP covers

9. Remove the corner bolts and square washers – disgaurd
NOTE – Do not remove the two central bolts

Remove the four corner bolts

DON'T remove the two middle bolts

fig. 16   Remove the four corner bolts

10. Open the door and lift the unit into position inserting the two duct pipes through the core holes

Do not apply force to the door

fig. 20   Hold the Unibody as shown in this figure

fig. 21   Place the Unibody on the wall

11. Insert the 4 X 6mm X 120mm screws through the front of the unit. You will need to drive these through the unit with a screwdriver

12. Guide the tip of each screw into the raw plugs.

13. Push the Fresh-r to the wall and tighten the screws uniformly so that the Fresh-r is pulled squarely to the wall.

CAUTION – Do not compress the Fresh-r to the wall as this will crush the Black EPP backing. The unit must be tight to the wall but without crushing the EPP. All 4 screws must be functional.

14. Fix the two grilles on the outside wall using the screws and raw plugs provided.

15. Fit an electrical plug and connect the electrical supply 220V mains.

16. Remove the heat exchanger and remove the plastic protection bag.

17. Power up and check that the unit sounds "normal" – no strange noises and that air is comming out from the bottom half of the unit.

18. Check that the CO2 indicator light is green if not that it goes green after running for a few minutes.

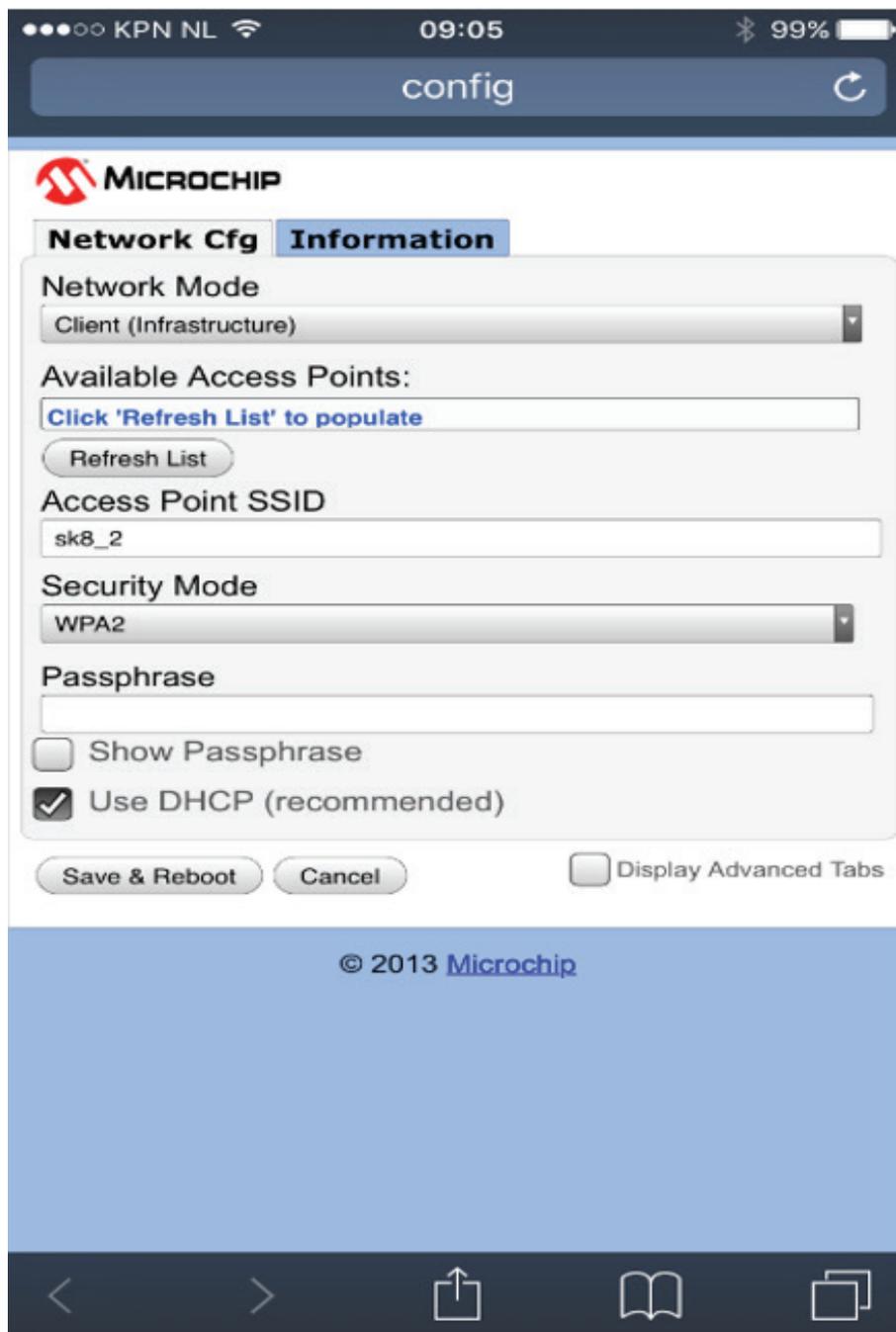19. Connect the Fresh-r to the internet

Connect the fresh-r® to the internet

By connecting the fresh-r® to the internet you will benefit from automatic sotware updates. You will also have access to data graphs showing actual performance values of the air temperature and quality.

To connect your fresh-r® to the internet do the following.

1. Switch power of the the fresh-r® OFF and switch the power ON again. Wait for approximately 90 seconds until the unit starts to run and the CO2 indicator is illuminated.
2. Press the middle button (increase fan speed) for approximately 30 seconds until you hear a beep.
3. Next press the lower button (decrease fan speed) for approximately 30 seconds until you hear a beep – the WiFi chip is now in access point mode.

The following actions must be done with your **smartphone, laptop or tablet**. Do the following:

4. Start your device and go to settings.
5. Select WiFi.
6. Select WiFly-EZX-XX from the list of WiFi connections. Your device will now connect to the fresh-r® WiFi.
7. Open an internet browser, for example Google chrome.
8. Using Iphone -Type 192.168.1.1 and confirm or with Android – Type config and confirm – NOTE for Android phone the mobile data needs to be switched off. The Microchip settings page opens.

9. Microchip config page – Select the Network cfg tab.

10. Press refresh List.
   A list with Available Access Points
   will show.

11. Select your own router by its name.

If your router name has spaces in it: for example "my router", the connection will fail. In that case, please change the name (SSID) of your router to, for example, myrouter. See for more information the manual of your router.

After you have selected your router, a list of technical details will show. Examine the value of RSSI: the RSSI value should not be less than -70dBm (eg -80 dBm).

Tip: If you don't know your routers name, you can normally find it on a sticker on the router itself.

12. Enter your WiFi passphrase (wireless key, also called password) in the

    Passphrase

    box.

    Tip: Check the "Show Passphrase" to visually check that you entered the

    correct passphrase.

13. Press save & reboot.

14. Wait for the the dialogue "Are you sure you want to exit this configuration" – click OK

If the connection fails, check the settings of your router. Please make sure that the Wireless 2.4 Ghz configuration is set to mixed mode. See for more information the manual of your router.

Please note that after this process you will not be able to discover the fresh-r$^{®}$ WiFly-EZX-XX via your mobile device. This is normal. Your unit is now connected to the server and you will be able to read performance data graphs as well as receive automatic updates in the near future.

15. To view performance data and graphs:
          Go to: www.Fresh-r.eu
          Log into your account

    Enter your user name (e-mail address)
    Enter your password OR regenerate using
    forgot password

 Go to MY Account .... My Fresh-r and you will see a data link for all
 Fresh-r devices that you have

Installation checklist

Use the following checklist after you have completed the installation. For a properly functioning fresh-r® , please make sure you can answer all questions with 'yes'.

Check the following	More information	Yes	No
Are the 4 mounting screws properly functioning?			
Is the bottom duct pipe water tight with PVC Glue			
Are the duct pipes sealed against the the EPP back cover?			
Are the duct covers sealed against the the EPP back cover?			
Are the duct pipes sealed against the inner wall?			
Are the duct pipes properly sealed at the outside wall?			
Does the unit sound normal?			
Does the door open and close properly?			
Is air blowing from the bottom part of the door?			
Is the CO2 indicator glowing green and if not is it green after 1/2 hour?			