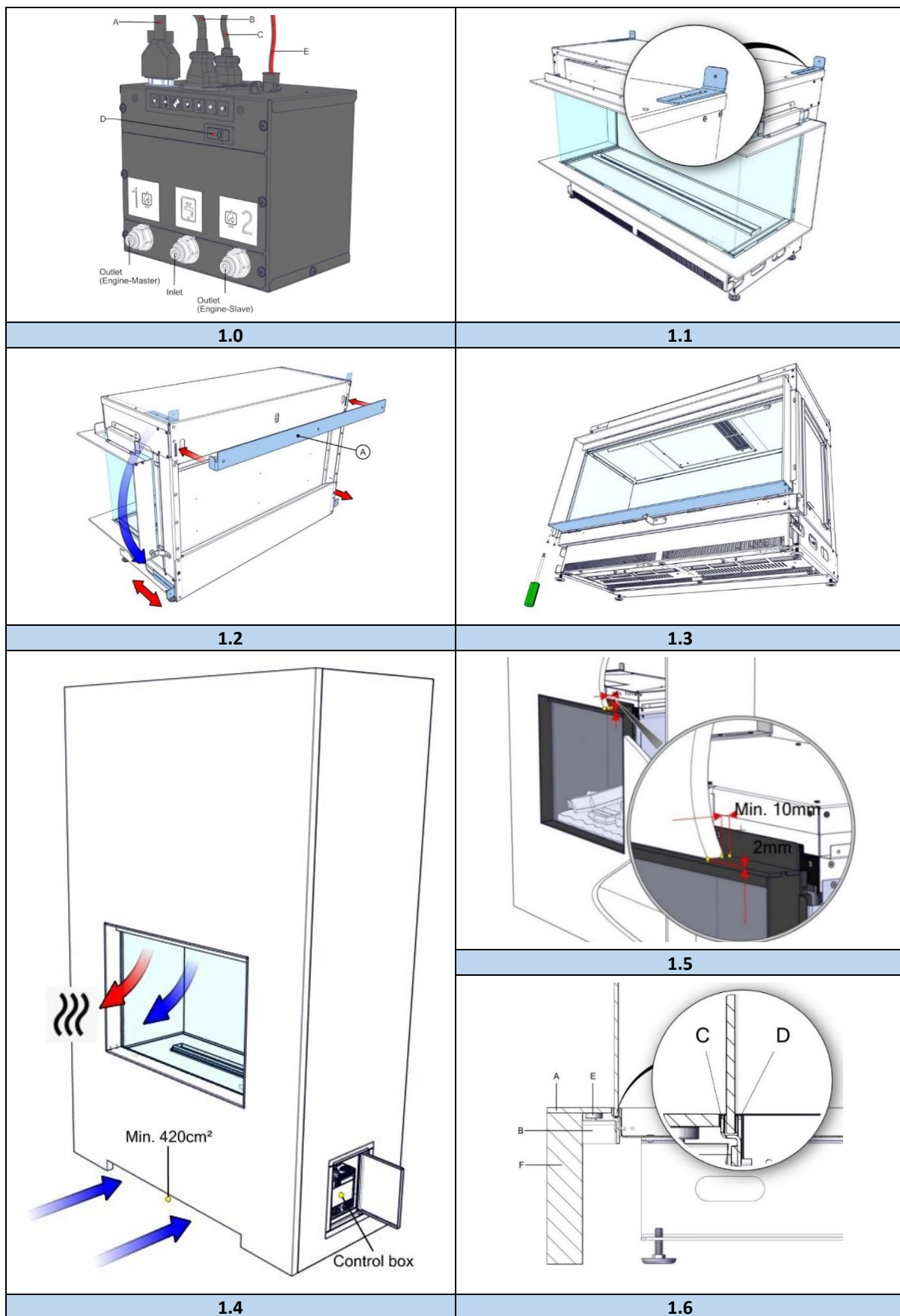
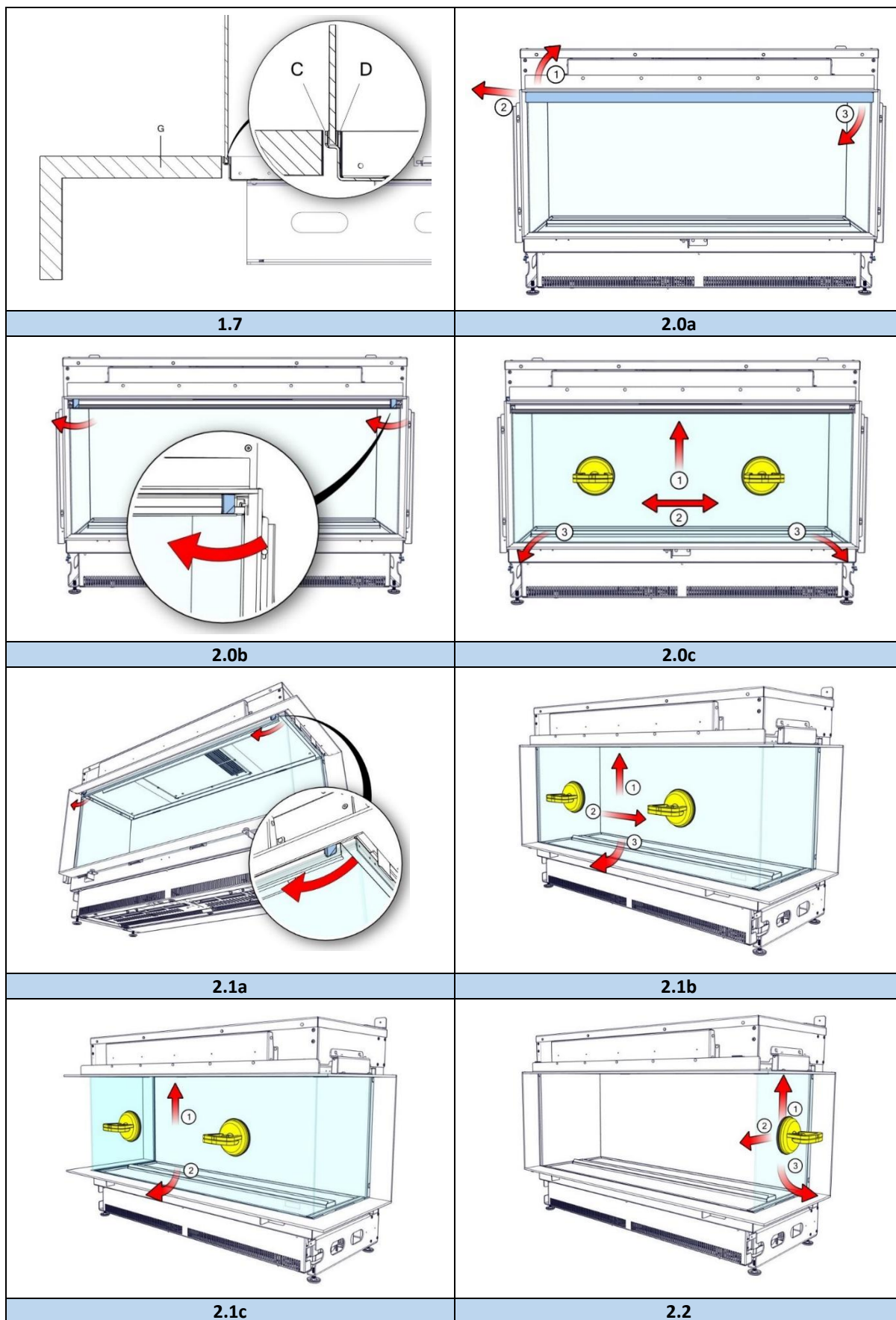


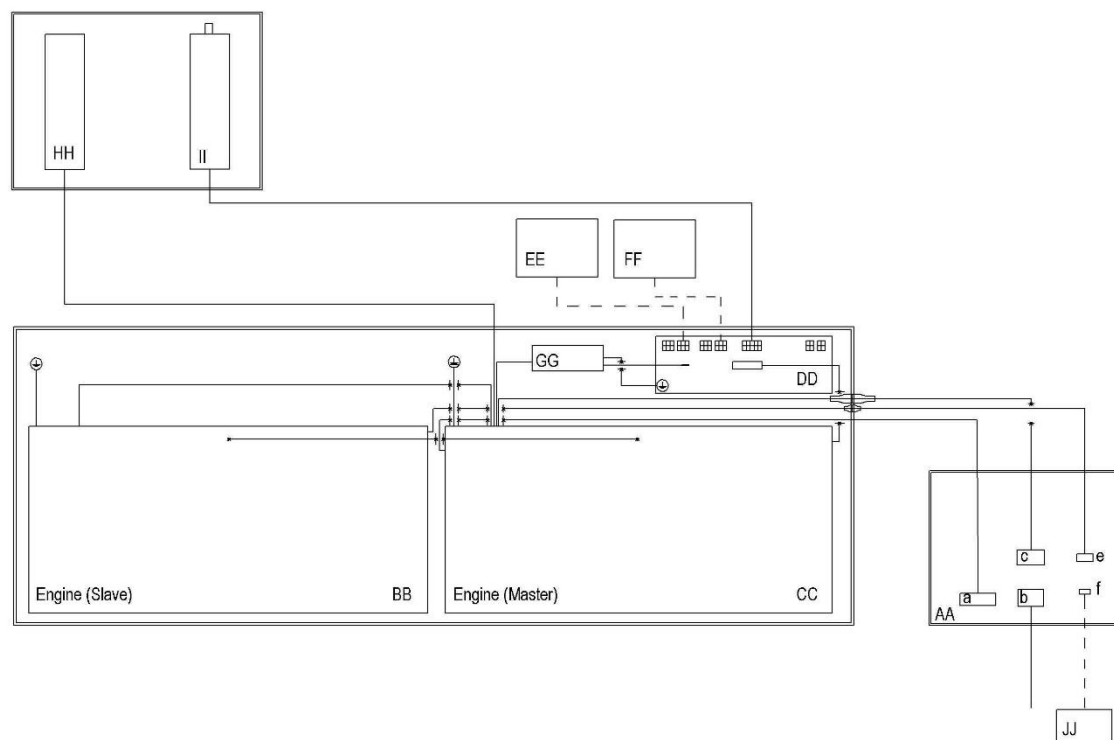
Installation manual
e-MatriX 1300/400-I-RGB
e-MatriX 1300/400-IIL-RGB
e-MatriX 1300/400-IIR-RGB
e-MatriX 1300/400-III-RGB
ENG



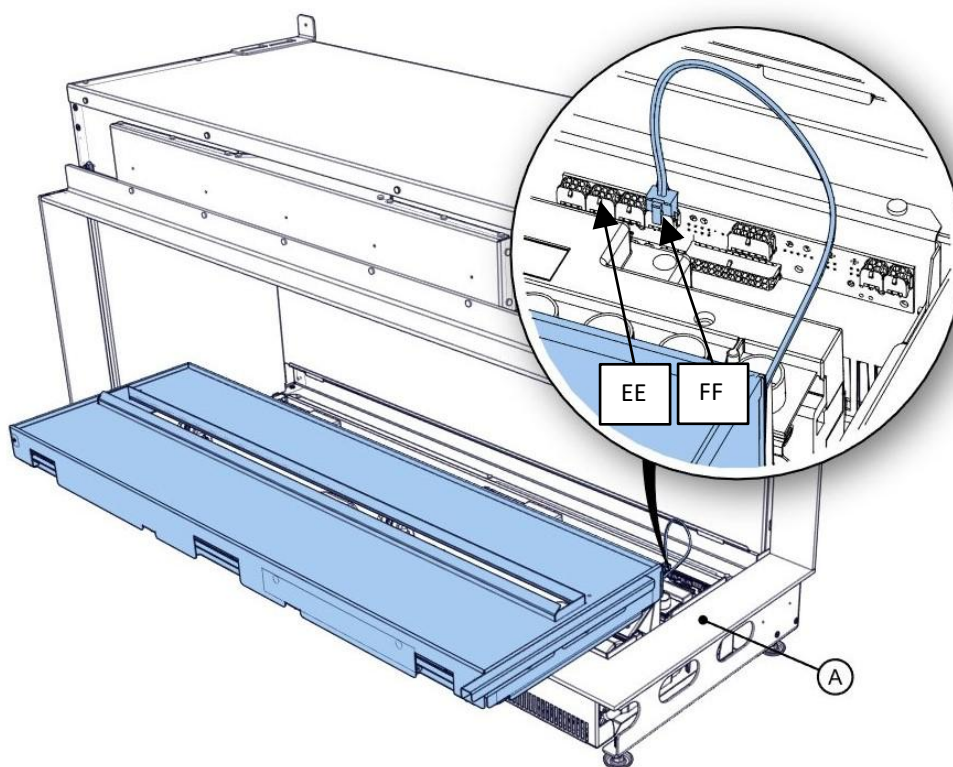
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3.0

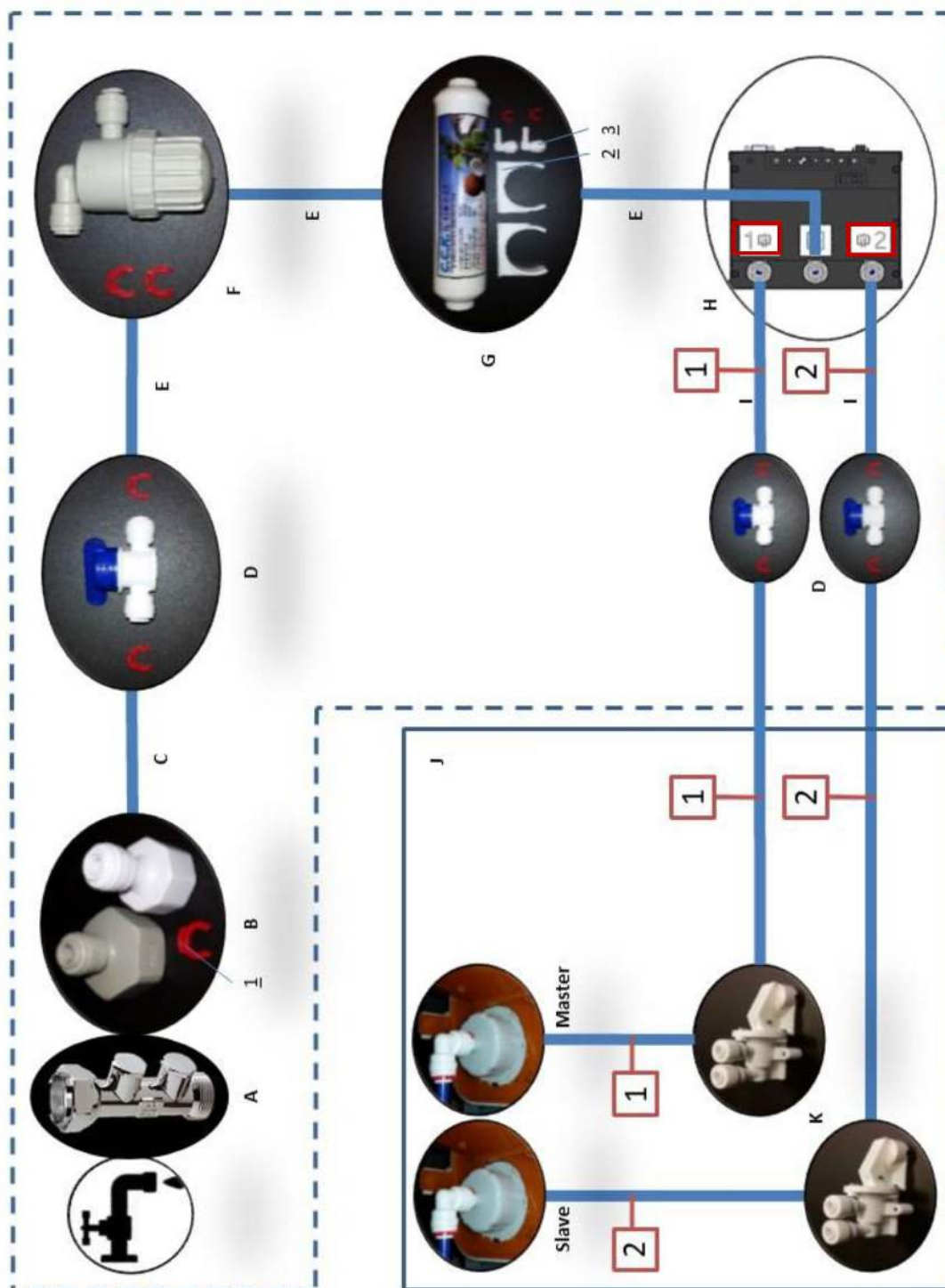


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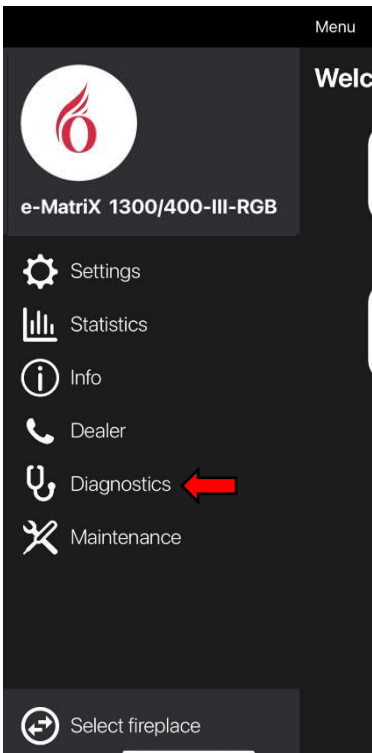
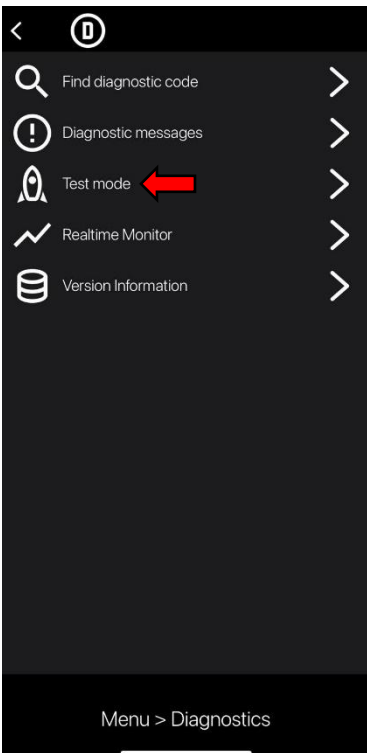
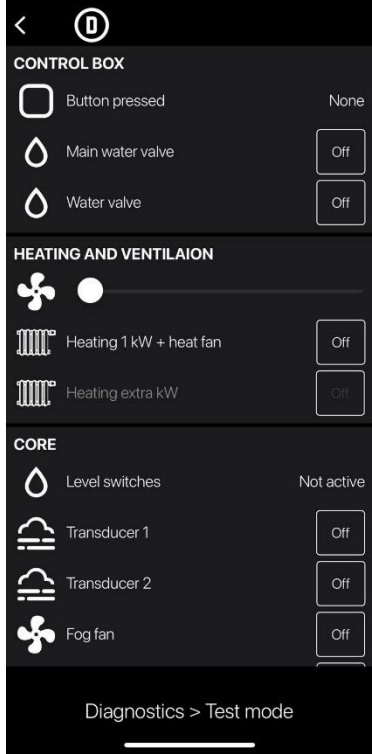
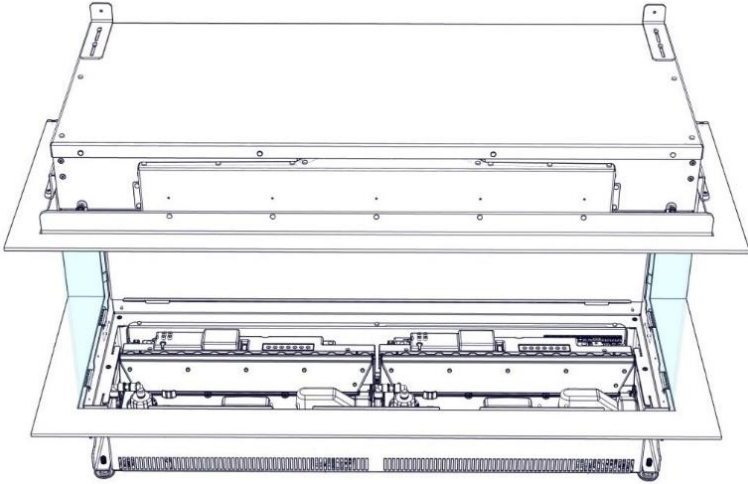
A = EA non-return valve
B = ½ or ¾ "connector
C = ¼ " pipe, 1m
D = Valve
E = To be cut from a ¼ pipe
(1m length)

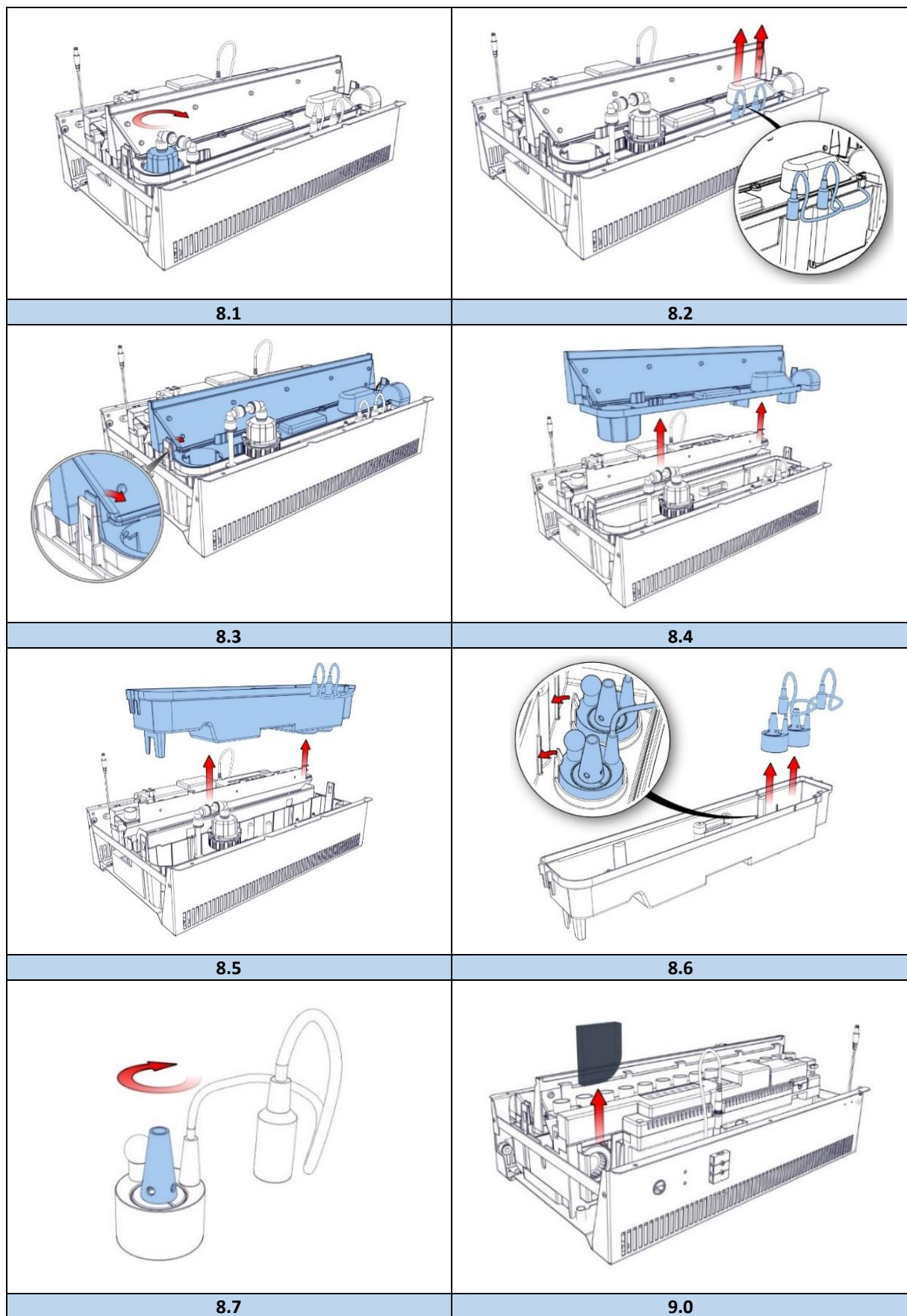
F = Mesh filter
G = Inline filter
H = Control box
I = ¼ " pipe, 1,5m
J = e-MatrixX-RGB engine

1 = Safety clip (11x)
2 = Brackets 2x (for inline filter)
3 = Elbow connection (4x)



5.0

 Menu Welc e-Matrix 1300/400-III-RGB - Settings - Statistics - Info - Dealer - Diagnostics  - Maintenance Select fireplace	 Find diagnostic code Diagnostic messages Test mode  Realtime Monitor Version Information Menu > Diagnostics	 Test mode  Activate Unit 1 Diagnostics > Test mode
6.0	6.1	6.2
 CONTROL BOX - Button pressed None - Main water valve Off - Water valve Off HEATING AND VENTILAION - Heating 1 kW + heat fan Off - Heating extra kW Off CORE - Level switches Not active - Transducer 1 Off - Transducer 2 Off - Fog fan Off Diagnostics > Test mode		
6.3	8.0	



1 Dear user

Congratulations on your purchase of a Dimplex fire! A quality product from which you will experience warmth and atmosphere for many years. We recommend that you read this manual carefully before using the fireplace. If any problem arises despite our strict quality control, you can always contact your dealer or Glen Dimplex Benelux B.V.

For any warranty claims, it is essential you first register your fireplace.

➤ **Please note!**

The details of your fireplace can be found in the user manual.

You can register your fireplace at:
www.dimplexfires.com

Glen Dimplex Benelux B.V.

Adres: Saturnus 8

NL-8448 CC

Heerenveen

Tel: +31 (0)513 656 500

Email: service@glendimplex.eu

Info: www.dimplexfires.com

1.1 Introduction

Only have the fire installed by a qualified installer according to the water and electric safety regulations. Read this installation manual carefully.

Where the installation instructions are not clear, national/local regulations must be followed.

1.2 Check

- Check the fire for transport damage and report any damage to your supplier immediately.
- Check whether all of the parts below are included:
 - Control box;
 - Remote (incl. batteries);
 - Log set;
 - Suction cups (2x);
 - Remote access door;
 - Spare sponge;
 - Water hardness test stick (2x);
 - Front glass (and side glasses);
 - Cover strip front (not for 1300/400-I).

1.3 CE declaration

We hereby declare that the Dimplex heating appliance, designed and manufactured by Glen Dimplex Benelux B.V., complies with the European Safety Standards EN60335-2-30 and the Electromagnetic Compatibility Standards EN55014, EN60555-2 and EN60555-3, which cover the essential requirements of Directives 2014/35/EU and 2014/30/EU.

Product: Electric fire Optimyst

Model: e-MatriX 1300/400-I-RGB

e-MatriX 1300/400-II-RGB

e-MatriX 1300/400-III-RGB

e-MatriX 1300/400-III-RGB

This declaration shall become null and void if the unit is modified in any way without the written authorization of Glen Dimplex Benelux B.V.

2 Safety instructions

- Do not use outdoors.
- Do not use in the immediate surroundings of a bath, shower or swimming pool.
- The fire must be installed in accordance with this manual.

3 Installation requirements

General

- Provide an air supply in the chimney breast;
- Level the fireplace for proper operation;
- Fix the control box in an accessible location; see fig. 1.4.

Power supply

- Electric connection -230VAC/50Hz with grounding, installed at an accessible location.

Water supply

- Use only the connection material supplied with the fireplace;
- Always install the mesh and inline filter;
- Install a water connection with a ½" or ¾" external thread, located in an accessible location.
- Install an EA backflow protection valve, which is not included with the appliance;
- The appliance is suitable for water pressure between 0,5 and 8 Bar. Where required, use a pressure reducing valve;
- Due to maintenance frequency, check the water hardness using the included test strips and enter this value in the Dimplex e-MatriX app, see chapter 4.7.

4 Preparation and installation instructions

4.1 Preparing the fire

- Make sure that all packaging materials have been removed.
- Remove the packaged parts.
- Remove the front glass, see chapter 5.

4.2 Placing the fire

➤ Please note!

- Always install the fire with its back against the wall.
- The fitting of a chimney breast is required.
- For a proper functioning of the fire, always ensure that the fire is levelled.

Floor standing

Place the fire in the correct position and fix it to the wall, see fig. 1.1.

Hanging on the wall (fig. 1.2)

The fire can be mounted on the wall using the optional wall bracket "A" (see also dimensional drawing in chapter 10.5). Remove the brackets (on top of the appliance) and mount them on both sides. Now they can be used to level the appliance in the vertical direction.

4.3 Installation and finishing

See fig. 1.6 and fig. 1.7.

- A = cover strip front
- B = built-in support
- C = glass support
- D = top of the slot (glass)
- E = magnet / bolt (adjustable)
- F = false chimney breast
- G = plateau

With cover strip (fig. 1.6)

e-MatriX-I:

Build the false chimney breast against cover strip A and built-in support B.

e-MatriX-III, -IIR and -III:

- Don't build the false chimney breast (incl. cover strip) above point D.
- Adjust the magnets and bolts 6mm lower than point D.

Without cover strip (fig. 1.7)

➤ Please note!

For the e-MatriX front glass only, the cover strip front is fixed by screws, remove those first, see fig. 1.3.

Remove built-in support B from the fire, see fig. 1.6. Build the false chimney breast against glass support C.

4.4 Built-in structure and aeration requirements

- The construction must not rest on the fire.
- Take into account the thickness of any finishing material!
- Keep a minimum distance of 10mm between built-in frame and false chimney breast when using combustible material, see fig. 1.5.
- Take into account a minimum distance of 2mm due to expansion of the fireplace, see fig. 1.5.

Aeration

- The e-MatriX needs a minimum free space of 50mm above the fire.
- The e-MatriX needs a minimum aeration of 420cm² underneath the fire, see fig. 1.4.

4.5 Control box (see fig. 1.0)

➤ Please note!

Fix the control box in an accessible location behind the service door; see dimensional drawings 10.6 and 10.7.

Connection of the control box to the e-MatriX, see fig. 1.0:

- A = control cable, 9 pole
- B = power cord (power supply control box)
- C = extension cable (power supply control box to engine (Master))
- D = main switch on/off
- E = cable control box to engine (Slave), 2 pole
- F = external water pump connection (optional)

Electrical connection

➤ Please note!

Connect all plugs according to the diagram, see fig. 3.0.

AA = control box
 BB = engine (Slave)
 CC = engine (Master)
 DD = printed circuit board
 EE = top lighting
 FF = bottom lighting
 GG = power supply LED
 HH = fan heating
 II = fan extraction
 JJ = external water pump (optional)

1. Lead control cable A, from the engine to the control box and connect it, see fig. 1.0-A.
2. Connect the supplied extension cable C to the control box, see fig. 1.0-C.
(Max. cable length from the center of the fire to the left / right is 0.75m).
3. Lead cable E, from the engine (Slave) to the control box, see fig. 1.0-E.
4. Connect the supplied power cord B to the control box, see fig. 1.0-B.

If desired, a 2m extension set is available (The existing cables are extended by 2m), item number 20901578.

Water connection

➤ Please note!

Connect all parts according to the flow diagram. See fig. 5.0.
 Place the water filters, in the correct direction of flow, in an accessible location. There is a "flow direction" mark on both filters.

Water inlet

Connect the water supply pipe to the middle water connection of the control box.

Water supply to the engines

The two blue flexible supply pipes protruding from the side of the fire are marked with numbers 1 and 2. Connect these pipes to the same numbers on the control box.

Assemble the flexible water pipe

Press the blue flexible pipes 15mm into a coupling piece. When mounting correctly, you feel resistance that you have to push through. Check the connection by pulling the pipe. Secure the connection with the supplied blue safety clips.

➤ Please note!

A watertight connection is only guaranteed when using safety clips.

Disassemble the flexible water pipe

Remove the blue safety clip.

Push the water pipe in the coupling, hold the flange in its position and pull the water pipe out of the coupling.

This appliance is equipped with the following (overflow) protections:

- Electromechanical valve in the control box that is controlled by sensors in the water tank.
- The absorption valve (fig. 5.0-K) in the engine that kicks in when:
 - the water sump has an unexpectedly overflow;
 - there is no or insufficient aeration in the built-in structure. (The return of water vapor will activate the sponge also).

4.6 LED lighting

LED bottom lighting

The bottom lighting, which is located in the bottom plate, can be switched on and off with both the remote control and the app. (See user manual). See fig. 3.0-FF and 4.0 for the position of the connection of the bottom lighting.

LED top lighting

The top lighting can be switched on and off with both the remote control and the app. (See user manual). See fig. 3.0-EE and 4.0 for the position of the connection of the top lighting.

Removing the bottom plate with LED lighting

➤ Please note!

To prevent damage / scratches, it is strongly recommended to protect the cover strip, see fig. 4.0-A.

- Remove the decoration set;
- Lift the bottom plate in the middle and let it rest carefully at the front of the fire. See fig. 4.0.
- Loosen the plug connection, for this press the retaining clip of the plug. Now remove the bottom plate.

Install LED bottom lighting

- Lift the bottom plate in the middle and let it rest carefully at the front of the fire. See fig. 4.0.
- Insert the plug into the correct connector of the terminal block (see fig. 3.0-FF and 4.0) and carefully place the bottom plate. (Check that the cable does not block the outflow opening (fire opening) of the engine).

4.7 Checking the water hardness

Water quality plays a major role in the operation and frequency of fireplace maintenance. Checking the water hardness gives an indication for fireplace maintenance.

What is hard water?

Hard water is water that contains a lot of lime (calcium and magnesium) and this affects the composition of the water extracted from it. This is true even if your own well (groundwater) is used.

What the water hardness is of your region, you test with special supplied test strips. The water hardness can also be found on the website of your water supplier.

To set the water hardness in the Dimplex e-MatriX app :

Navigate to : *Menu > Settings > Water > Water hardness* and enter the value using the slider.

For the video instruction simply scan this QR code:



4.8 Test mode

Do a performance test (see chapter 7) and check all water connections for leaks, before installing the decoration set and the front glass.

Functional test via the Dimplex e-MatriX app

(Only possible in dealer setting).

Make sure the app is connected to the fire.

Navigate to *Menu -> Diagnose / Test mode* and push "Activate", see fig. 6.0 to 6.3.

Per unit (engine), all components can be tested individually for function.

All components are also checked by a self-test in the normal starting procedure.

Any error messages are displayed in the app.

Click on the exclamation mark at the top left of the screen for additional information about the notification.

5 Removing glass

5.1 Front glass

e-MatriX I:

- Remove the cover list, see fig. 2.0a.
- Rotate both glass clamps clockwise, see fig. 2.0b.
- Place suction cups and remove the front glass see fig. 2.0c.

For replacing the glass repeat the steps in reverse order.

e-MatriX II and e-MatriX III:

- Rotate both glass clamps clockwise, see fig. 2.1a.
- Place suction cups and remove the front glass, see fig. 2.1b or 2.1c.

For replacing the glass repeat the steps in reverse order.

5.2 Side glass

For cleaning only it's not necessary to remove the side glass.

- First remove the front glass, see chapter 5.1.
- Place a suction cup and remove the side glass, see fig. 2.2.

For replacing the glass repeat the steps in reverse order.

6 Decoration set

➤ Please note!

To get the right glow effect, the bottom lighting must be switched on at 100% intensity.

Make sure the Dimplex e-MatriX app is connected to the fire.

Click on "Personalise" and set "bottom lighting intensity" to maximum.

6.1 Log set

See the included decoration instruction card.

➤ Please note!

Placing the logs is a meticulous job, this determines the flame distribution. Do not let any decoration material fall into the outflow (fire) opening. The outflow openings may not be completely covered.

Fine tuning of the glow bed

By placing the decoration chips close together you create a real glow bed.

7 Functional test

- See "Using the appliance for the first time" in chapter 6 of the user manual.
- Check all connections for water leaks.
- Check the operation of the extractor fan.
- Check the operation of the heating fan.
- Check the operation of the remote control at the desired distance (max. 8m).
- Check the operation of the app.
- Place the decoration set, see chapter 6.
- Place the front glass, see chapter 5.1.
- Do a final functional test.

8 Maintenance

8.1 Maintenance frequency

- Cleaning water sump, air filter and replacing transducers.
Commercial use:
 - Every three months.Domestic use:
 - Once a year.
- Cleaning mesh filter and replacing inline filter depends on water hardness that is given in the Dimplex e-Matrix app. The app alerts when maintenance is required.

Cleaning water sump

➤ Please note!

- Always press the mains switch of the control box to the OFF (0) position, see fig. 1.0-D and disconnect the power supply,
 - Never use abrasive cleaners.
1. Remove the front glass, see chapter 5.1.
 2. Remove the decoration set, see chapter 6.
 3. Lift the bottom plate in the middle and let it rest carefully at front of the fire. See fig. 4.0.

4. Disconnect the plug connection, pressing in the plug's locking clip to do so. Remove the base plate to gain full access to both engines, see fig. 8.0;
5. Disconnect the "fill cap" by turning it clockwise, see fig. 8.1.
6. Disconnect both transducers cables, see fig. 8.2.
7. Release the clip on both sides and remove the nozzle, see fig. 8.3 and 8.4.
8. Without spilling any water, lift up the water sump gently and empty the water sump, see fig. 8.5.
9. The transducers are fixed in the water sump with plastic clips. Push the clips backwards gently and remove the transducers, see fig. 8.6.
10. Put a small amount of washing up liquid in the water sump and using a soft brush to clean the sump. Also clean the transducers, including the discs underneath the cones. Remove the cone by turning it clockwise, see fig. 8.7.
11. When cleaned, thoroughly rinse the water sump with clean water to remove all traces of washing up liquid.
12. Clean the nozzle (fig. 8.4) with a soft brush and flush out thoroughly with water.

Reverse the steps above to reassemble.

Cleaning air filter

1. Gently slide the air filter upwards out of its plastic holder, see fig. 9.0.
2. Gently rinse with water in the sink and dry with fabric towel before returning.
3. Replace the air filter.
4. Place the decoration set, see chapter 6.
5. Place the front glass, see section 5.1.

Replacing transducers

➤ Please note!

Press the mains switch of the control box to the "OFF" (0) position, see fig. 1.0-D and disconnect the power supply.

1. Follow the first 9 steps in section "Cleaning water sump" in chapter 8.1 to gain access and remove the transducers.
2. Place the new transducers and repeat the steps above in reverse order.
(Please take note that the transducer cables do not block the opening of the cones).

Cleaning mesh filter

1. Turn off the water supply.
2. Close the ball valves.
3. Unscrew the base and clean the filter inside.

Replacing inline filter

1. Turn off the water supply.
2. Close the ball valves.
3. Replace the filter. Note the flow direction mark on the filter!

8.2 Resetting absorption valve

When the absorption valve (fig. 5.0-K) is activated, the sponge needs to be replaced. The absorption valve is located at the bottom right on the front of the engine.

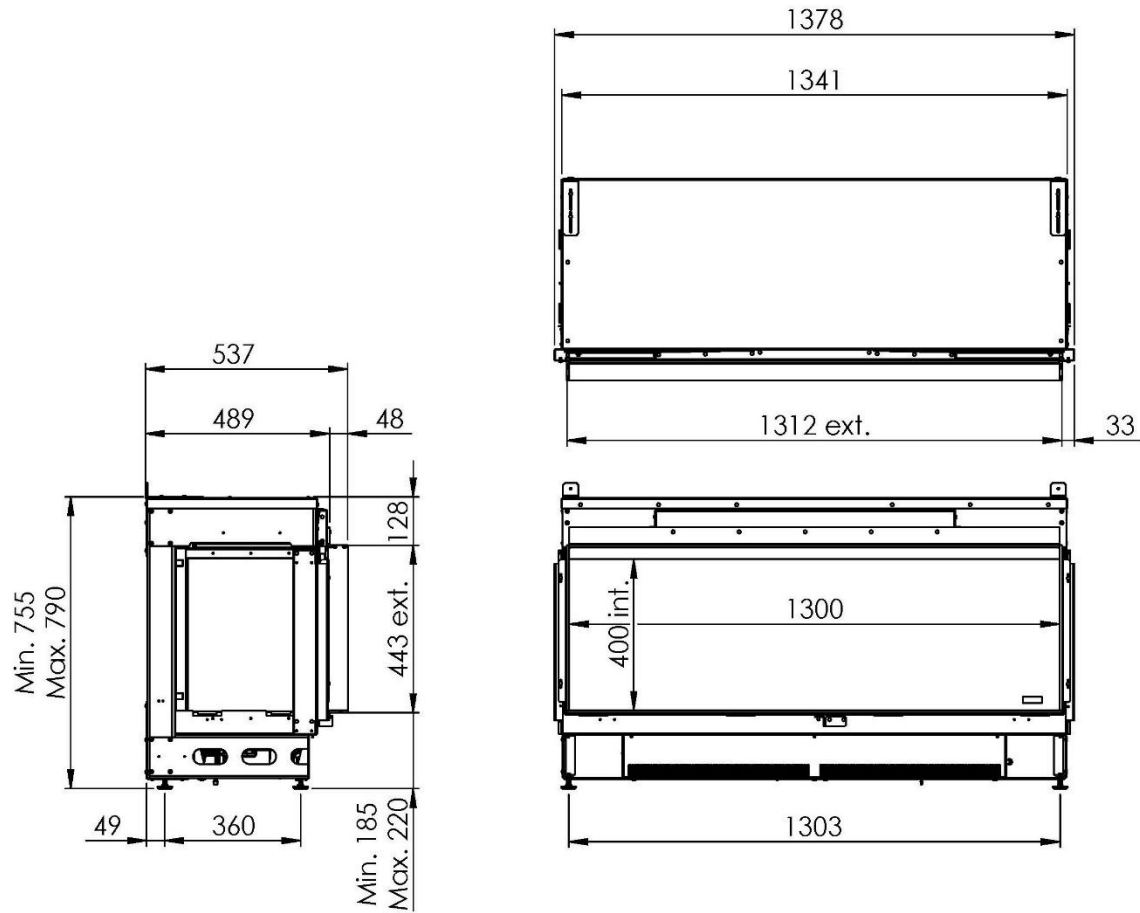
1. Take out the sponge.
2. Fix the cause of the water leakage and remove any water from the bottom of the engine.
3. Place the new sponge and open the absorption valve by pressing down the white clamp.

9 Technical data

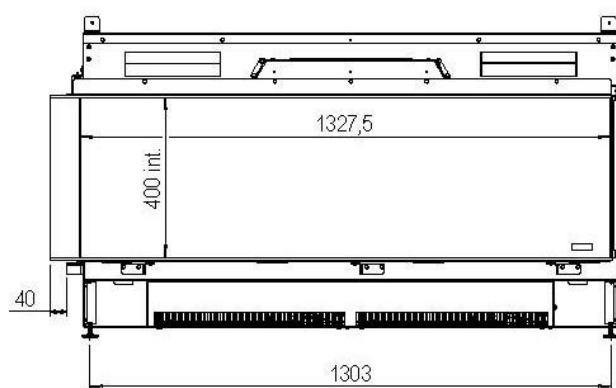
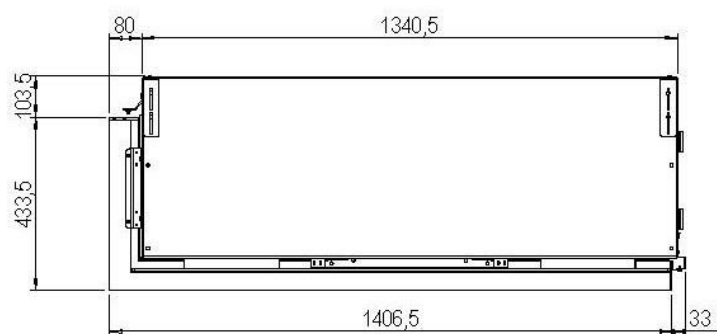
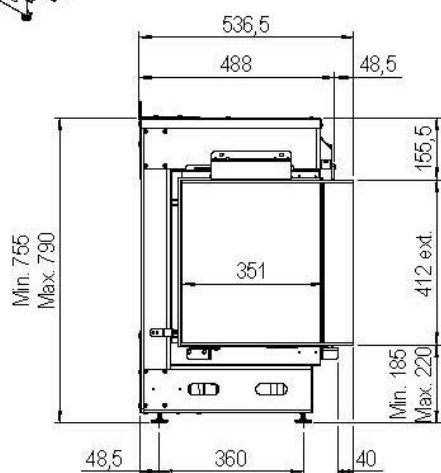
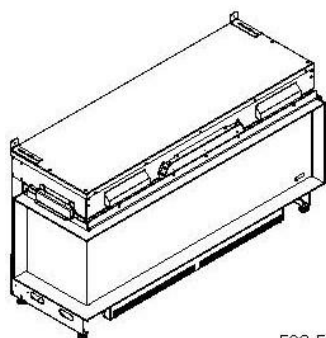
		230 V	240 V
Input Figures	Full Heat	2270 W	2470 W
	Half Heat	1330 W	1450 W
	Flame only	463 W	504 W
	Standby	32 W	35 W
	Batteries remote	(2x) 1,5 AA V	
	Water consumption	0,3 L/h	
	Inlet water pressure	0,5-8 Bar	
	Water connection	½ or ¾ Inch	

10 Dimensional drawings

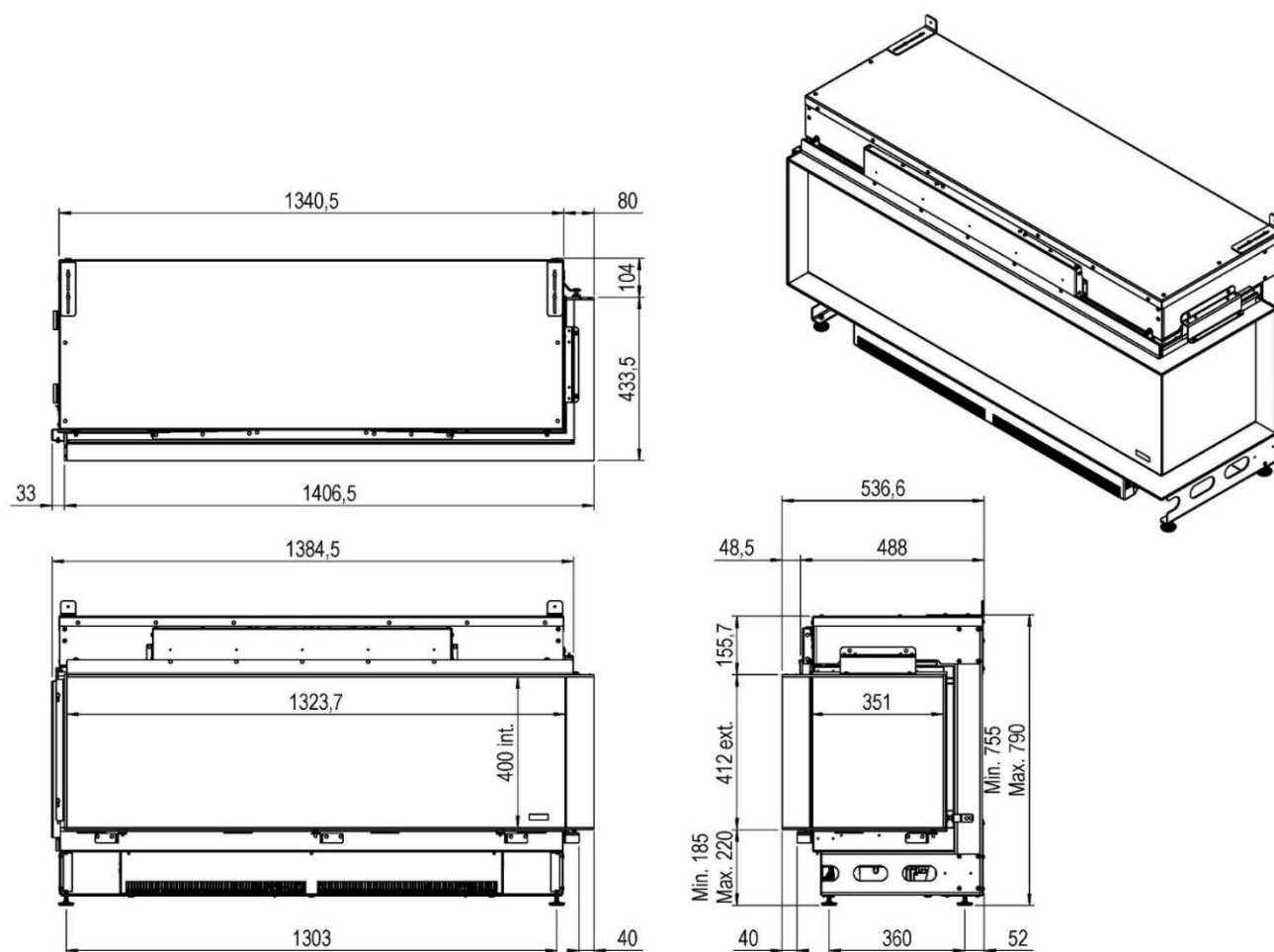
10.1 e-MatriX 1300/400-I-RGB



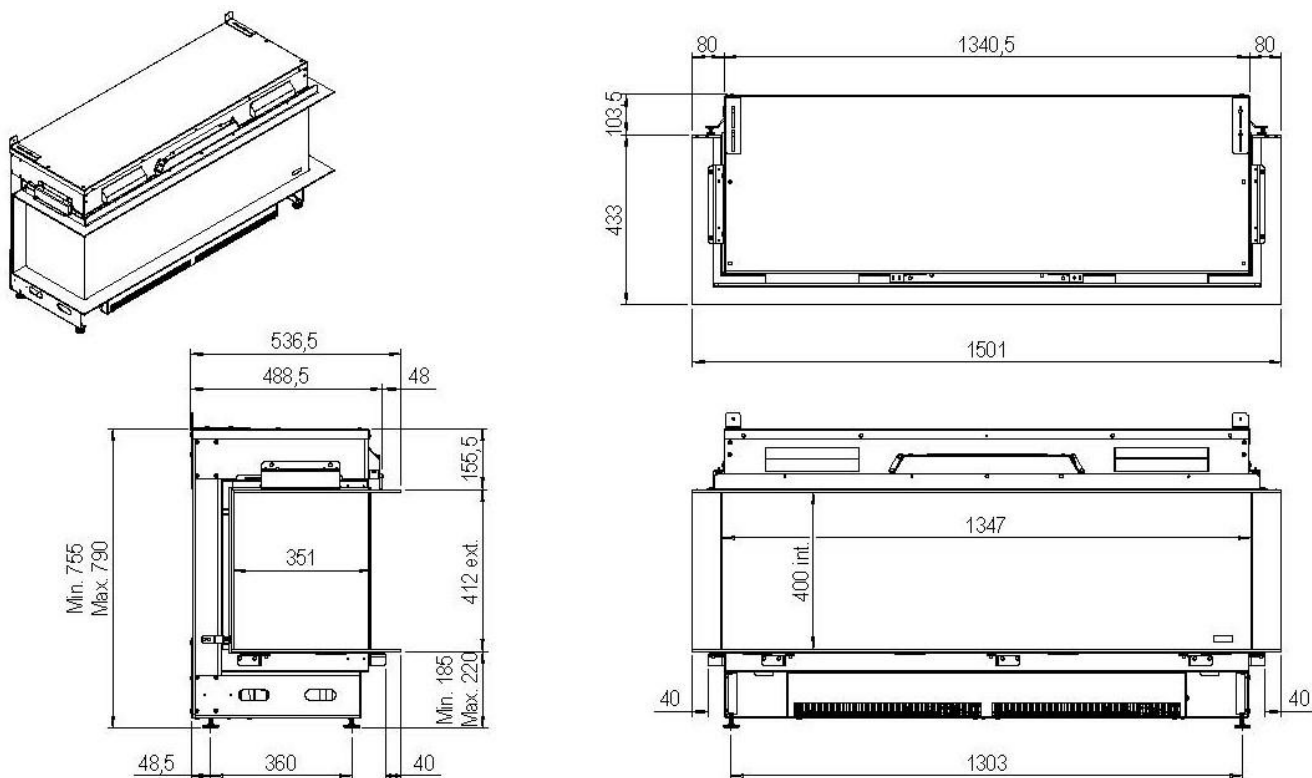
10.2 e-MatriX 1300/400-IIL-RGB



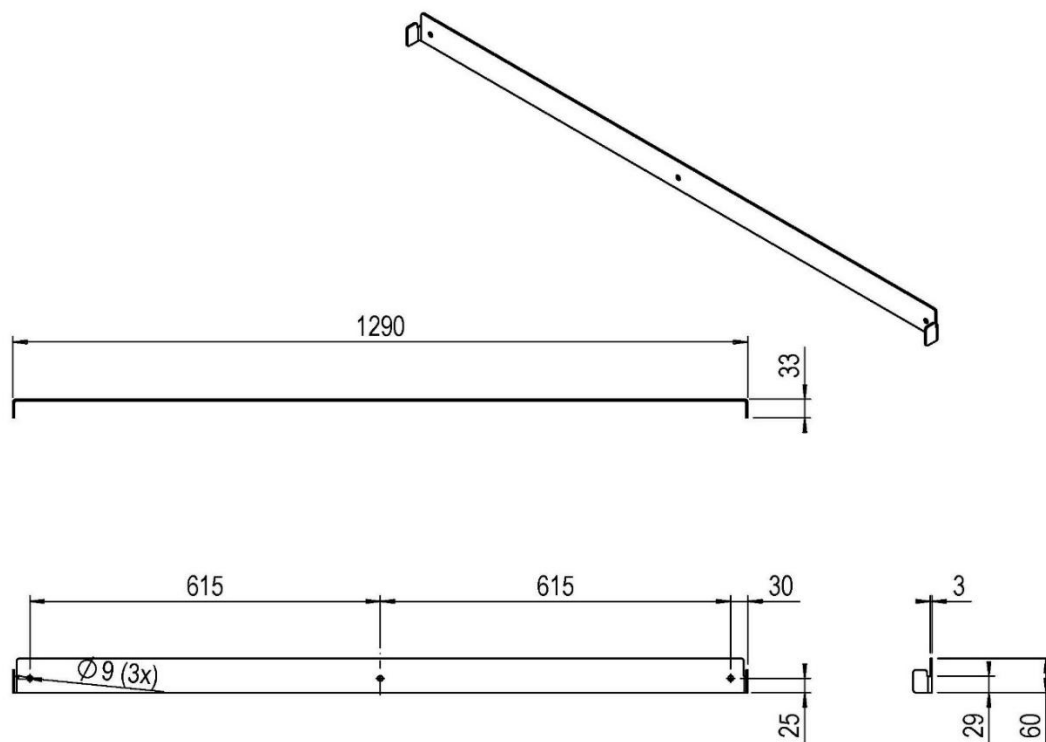
10.3 e-MatriX 1300/400-IIR-RGB



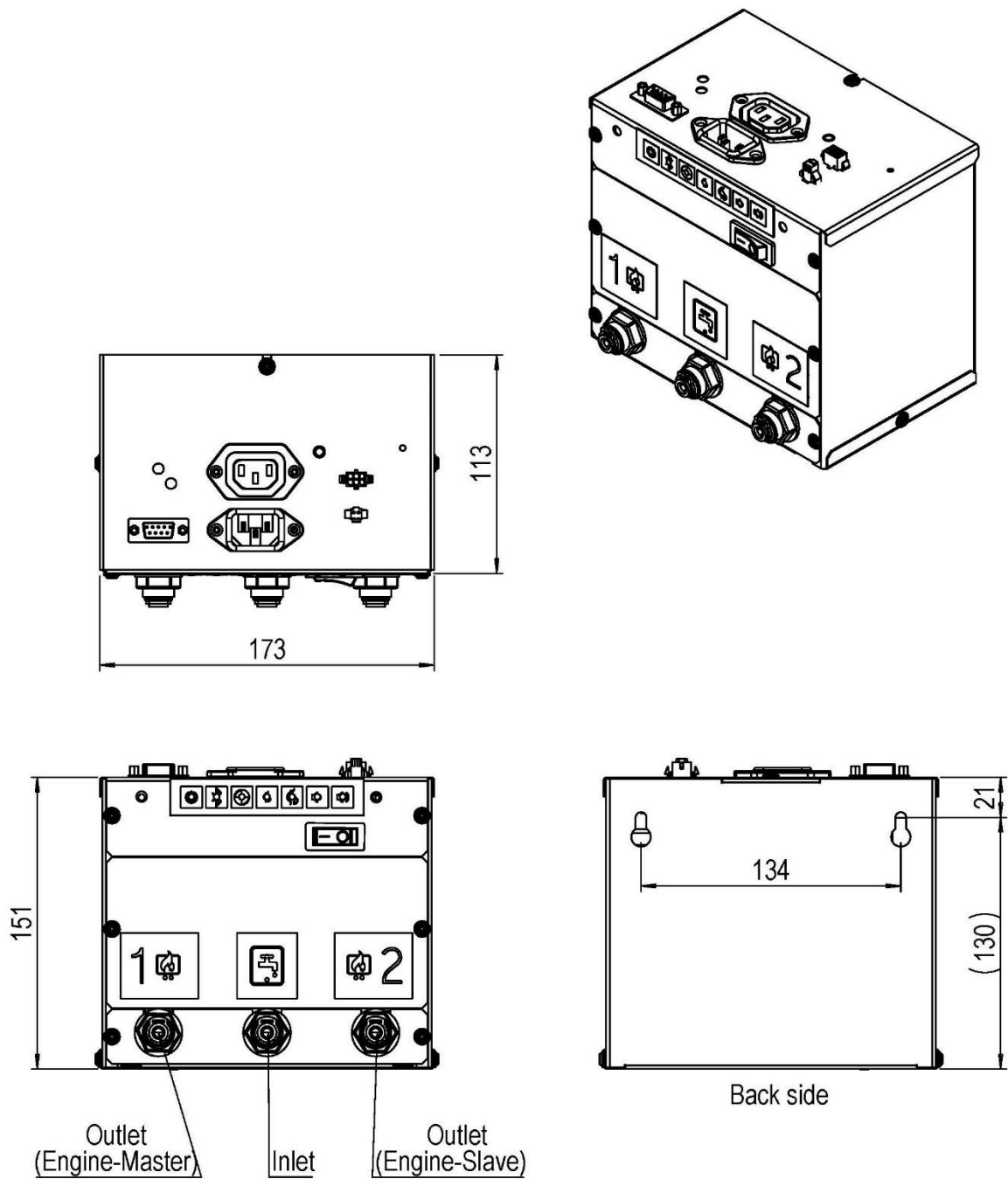
10.4 e-MatriX 1300/400-III-RGB



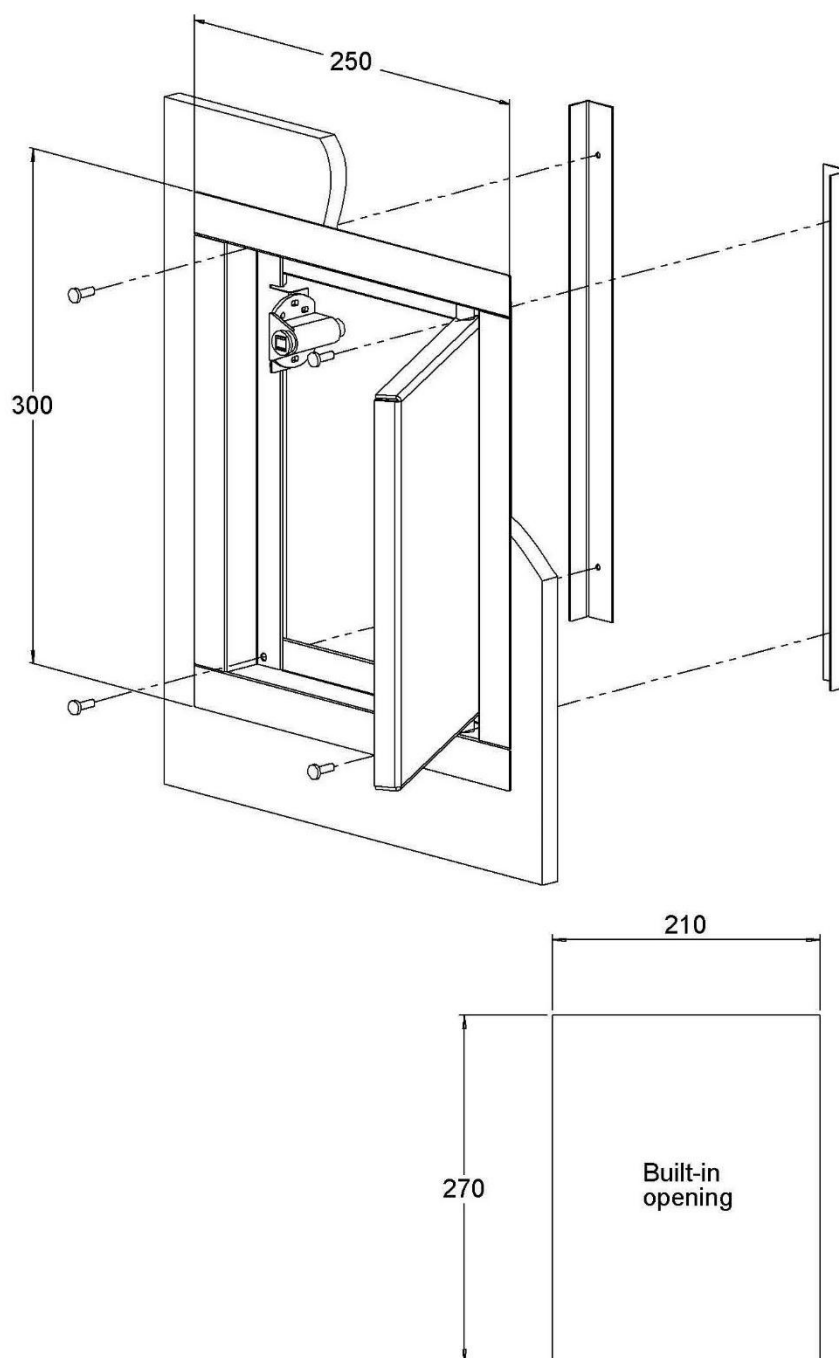
10.5 Wall bracket (item number A9325796)



10.6 Control box (item number 500006394)



10.7 Remote access door (item number 500002517)





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