

Installation manual

e-MatriX heat 800/500 I,II,III

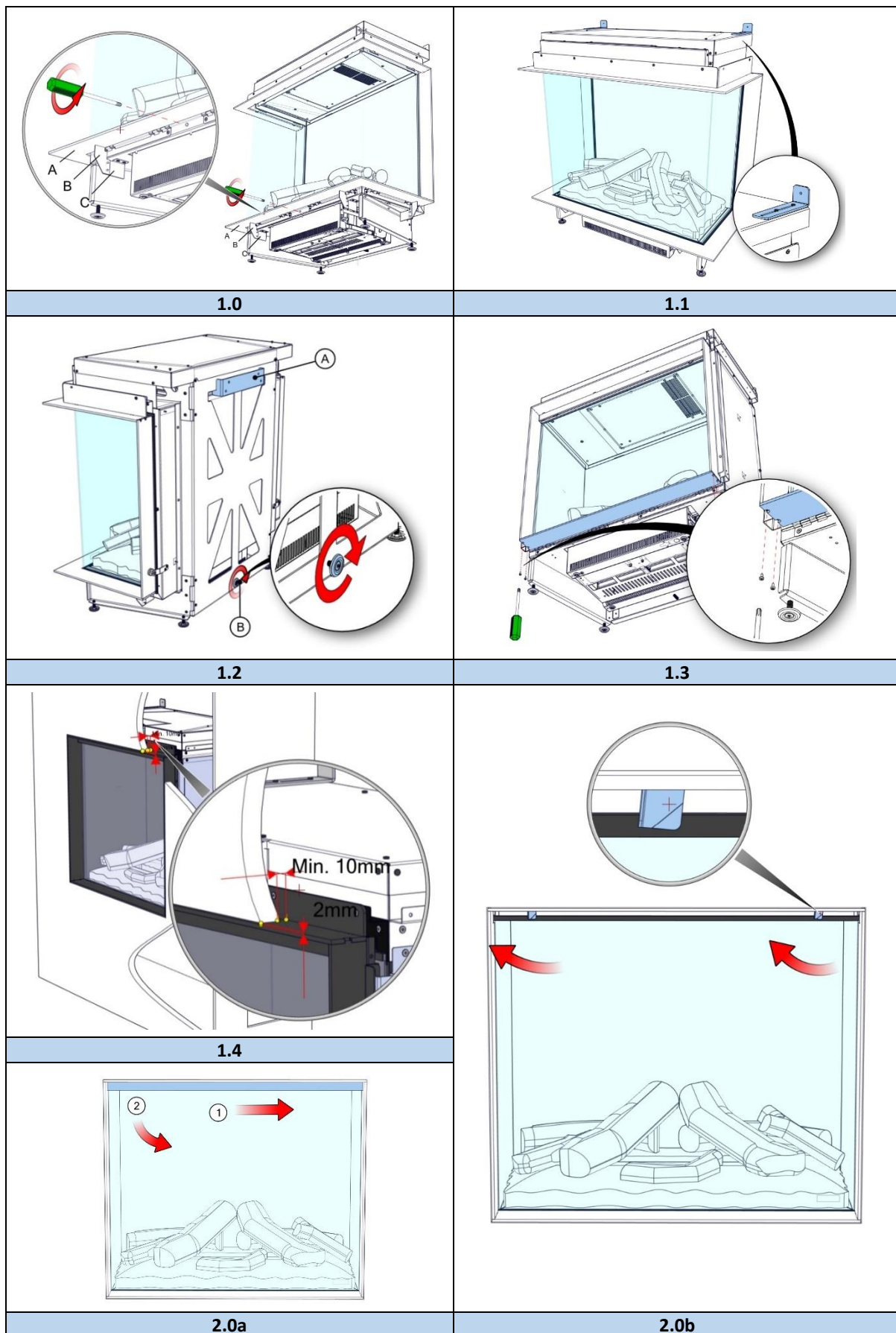
e-MatriX heat 800/650 I,II,III

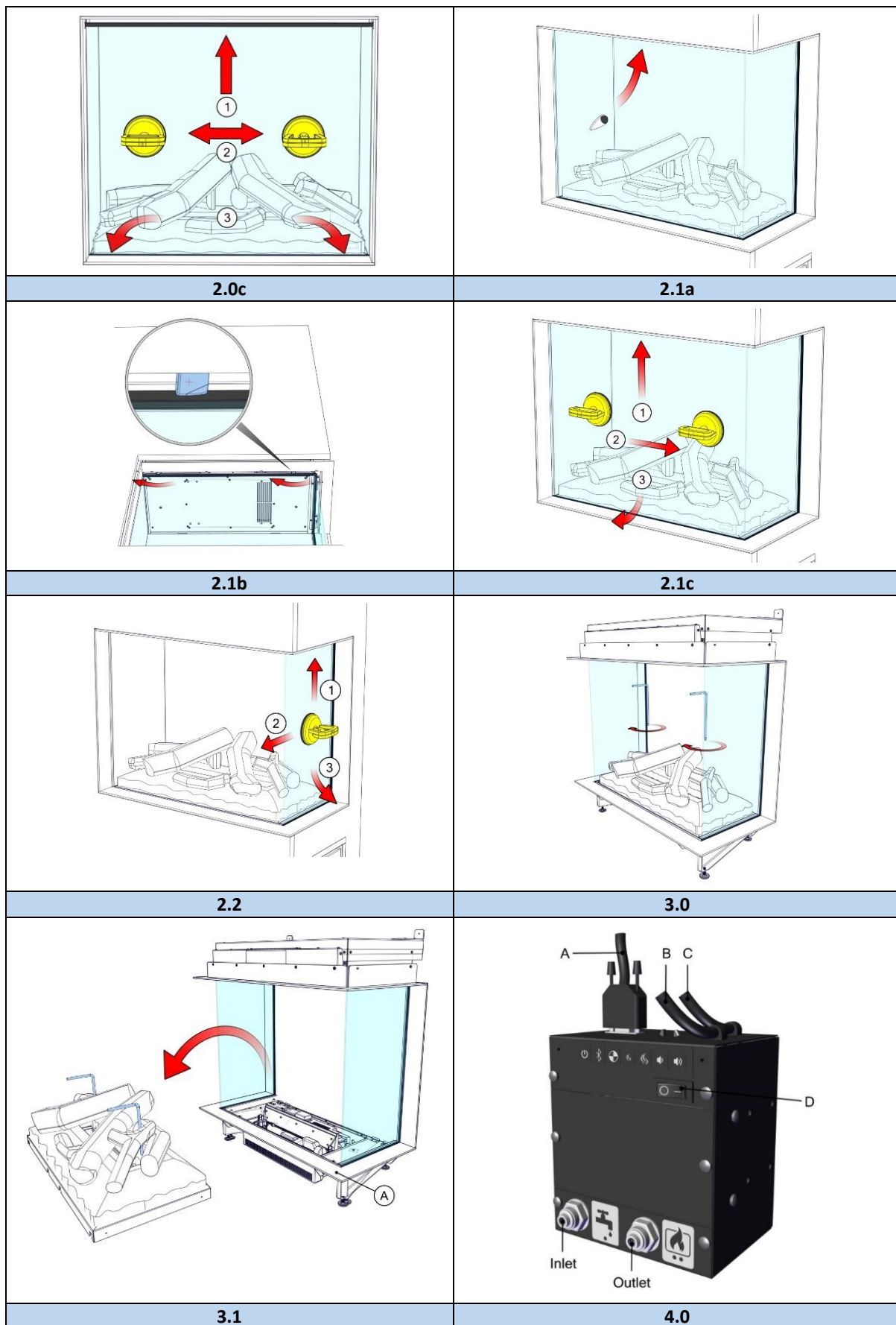
ENG



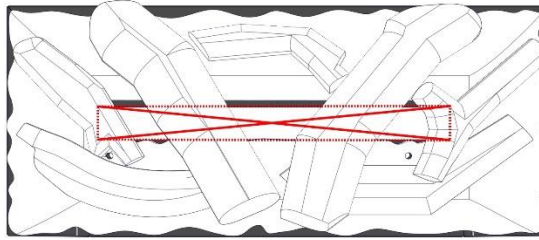
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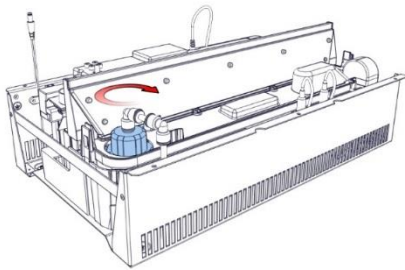




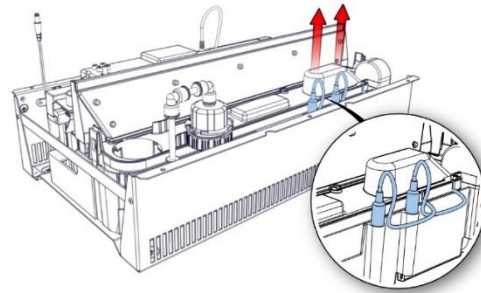
Mains water	
A = EA backflow protection valve	
B = ½ or ¾" connector	
C = ¼" 1m pipe	
D = Ball valve	
E = To be cut from ¼" 1m pipe	
F = Mesh filter	
G = In-line filter	
H = Control box	
I = ¼" 1,5m pipe	
J = Engine e-Matrix	
1 = Safety clips (11x)	
2 = Brackets (2x) in-line filter	
3 = Elbows (4x)	



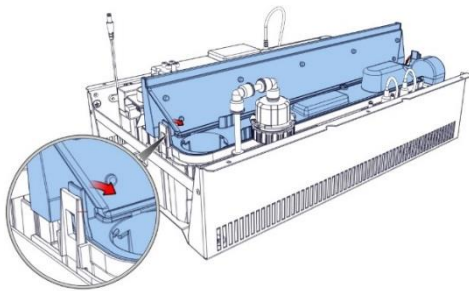
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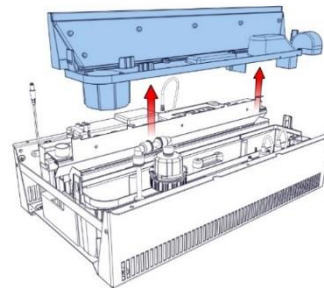
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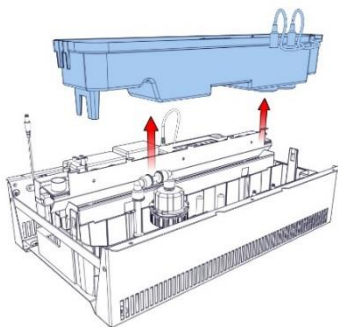
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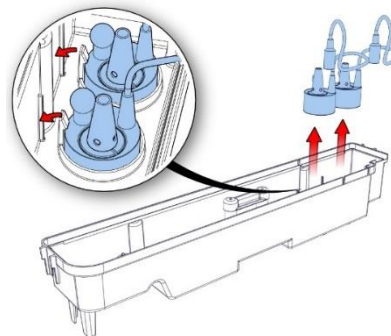
7.2



7.3



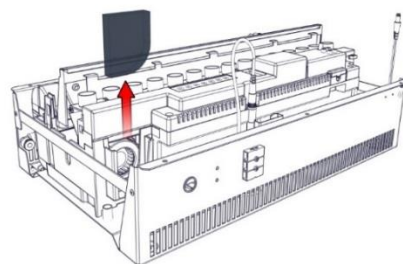
7.4



7.5



7.6



8.0

1 Dear user

Congratulations on your purchase of a Faber 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. During this registration, you'll find all information regarding our warranty.

➤ **Please note!**

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

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

Glen Dimplex Benelux B.V.
Address: Saturnus 8
NL-8448 CC
Heerenveen
Tel: +31 (0)513 656 500
Email: contact@faberfires.com
Info: www.faberfires.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 properly.

1.2 Check

- Check the fire for transport damage and report any damage immediately to your supplier.
- Check whether all of the parts below are included:
 - Control box
 - Remote (incl. batteries)
 - Decoration material
 - Suction cups (2x)
 - Service door
 - Spare transducers (2x) and sponge

1.3 CE declaration

The product complies with the European Safety Standards EN60335-2-30 and the European Standard Electromagnetic Compatibility (EMC) EN55014, EN60555-2 and EN60555-3 these cover the essential requirements of EEC Directives 2006/95/EC and 2004/108/EC.

Product: electric fire Opti-myst
Model: e-MatriX heat 800/500 I,II,III
e-MatriX heat 800/650 I,II,III

➤ **Please note!**

This declaration is invalid if changes are made to the fire.

2 Safety instructions

- Do not use outdoors.
- Do not use in the immediate surroundings of a bath, shower or swimming pool.
- Do not use on deep pile carpets or on long hair type of rugs.
- Do not use without the glass installed in place.
- Do not locate the appliance immediately below a fixed socket outlet or connection box.
- The fire must be installed according this manual.

3 Installation requirements

3.1 Water supply

- Water connection ½" or ¾" placed at an accessible location.
- Install an EA backflow protection valve, not included with the appliance.
- Water pressure on the fire between 0,5 and 8 Bar. Where required, use a pressure reducing valve.

3.2 Power supply

Electric connection -230VAC/50Hz earthed and placed at an accessible location.

4 Preparation and installation instructions

4.1 Preparing the fire

- Ensure that all packing items are removed.
- Remove the transport screw on the front, see fig. 1.0.
- Remove the front glass and store it at a safe place, see chapter 5.
- Remove the fuel bed and store it at a safe place, see chapter 6.



4.2 Placing the fire

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 12.6). Use the distance holder "B" for vertical leveling. Remove the existing brackets, see fig. 1.1.

4.3 Installation and finishing (see fig. 1.0)

With cover strip "A"

Built the false chimney breast or plateau against distance holder "B".

Without cover strip "A"

➤ Please note!

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

Remove distance holders "B" from the fire. Built the false chimney breast or plateau against distance holder "C".

4.4 Control box (see fig. 4.0)

➤ Please note!

Fix the Control box at an accessible location behind the service door, see chapter 12.5 and 12.7.

Electric connection

- Use the supplied extension cable to connect the Control box to the Engine, see fig. 4.0-B.
- Direct the DC cable, inside the Engine, to the Control box and connect it, see fig. 4.0-A.
 - Max. cable length from the center of the fire to the left 1,5m.
 - Max. cable length from the center of the fire to the right 1,0m.
- Connect the supplied mains lead, see fig. 4.0-C.

If desired, an extension set of 2m is available! (The existing cable length will be extended by 2m, item number 20901478).

Water connection

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

- Electromechanical valve in the Control box that is controlled by sensors in the water tank.
- Absorption valve in the Engine that kicks in when the water sump has an unexpectedly overflow, see fig. 5.0-K.
- Connect all parts according flow diagram, see fig. 5.0.
- Place the water filters at an accessible location in correct alignment, there's a "flow" direction marking on both filters and Control box, see fig. 4.0.

➤ Please note!

Carry out a performance test, see chapter 8 and check all connections for water leakage before placing the fuel bed and front glass.

4.5 Built-in structure

- The construction may not rest on the fire.
- Keep a minimum distance of 10mm between built-in frame and false chimney breast when using combustible material, see fig. 1.4.
- Take into account a minimum distance of 2mm due to expansion of the fireplace, see fig. 1.4.
- Take into account the thickness of any finishing layer!

Ventilation

- The e-MatriX needs a minimum free space of 50mm above the fire.
- The e-MatriX needs a minimum ventilation of 210cm² underneath the fire.

5 Removing glass

5.1 Front glass (e-MatriX front glass only)

- 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.

5.2 Front glass (e-MatriX 2 or 3 sided glass)

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

For replacing the front glass repeat the steps in reverse order.



5.3 Side glass

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

- First remove the front glass see chapter 5.
- Place a suction cup and remove the side glass, see fig. 2.2.

For replacing the front glass repeat the steps in reverse order.

6 Removing fuel bed

➤ Please note!

- Never lift up the fuel bed without using the supplied handles.
- Keep these handles for future use.
- Remove the front glass see chapter 5.
- Cover the frame to avoid scratches see fig. 3.1-A.
- Screw the handles in the fuel bed see fig. 3.0.
- Lift up the fuel bed carefully, disconnect the plug and store it at a safe place see fig. 3.1.

7 Placing decoration material

➤ Please note!

- Keep decoration material away from children, persons with reduced physical or mental capabilities
- Don't place decoration material in the center area, see fig. 6.0.

The supplied artificial ash and chips can be used to personalize your fire!

8 Performance test

- First time water fill, see user manual chapter 4.
- Check all connections for water leakage.
- Check if the extractor fan is running.
- Check if the heating fan is running.
- Check if the remote control is functioning at the desired distance (max. 8m)
- Replace fuel bed, see chapter 6.
- Replace front glass, see chapter 5.
- Perform a final functional check.

9 Maintenance

9.1 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 in-line filter.
Commercial use:
 - once a year.
 Domestic use:
 - every second year.

➤ Please note!

The maintenance interval depends on the water quality and/or the running hours and therefore can differ from the above mentioned.

Cleaning water sump

➤ Please note!

- Always press the mains switch of the Control box to the OFF position, see fig. 4.0-D and disconnect the power supply,
- Never use abrasive cleaners.

1. Remove the front glass see section 5.
2. Remove the fuel bed, see chapter 6.
3. Disconnect the "fill cap" by turning it clockwise, see fig. 7.0.
4. Disconnect both transducers cables, see fig. 7.1.
5. Release the clip on both sides and remove the nozzle, see fig. 7.2 and 7.3.
6. Without spilling any water, lift up the water sump gently and empty the water sump, see fig. 7.4.
7. The transducers are fixed in the water sump with plastic clips. Push the clips backwards gently and remove the transducers, see fig. 7.5.
8. Put a small amount of washing up liquid into 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. 7.6.
9. When cleaned, thoroughly rinse the water sump with clean water to remove all traces of washing up liquid.
10. Clean the nozzle with a soft brush and flush out thoroughly with water.
11. Reverse the steps above to reassemble.



Cleaning air filter

1. Gently slide the air filter upwards out of its plastic holder, see fig. 8.0.
2. Gently rinse with water in the sink and dry with fabric towel before returning.
3. Replace the air filter.
4. Place the fuel bed, see chapter 6.
5. Place the front glass, see section 5.

Replacing transducers

➤ **Please note!**

Always press the mains switch of the Control box to the "OFF" (0) position (see fig. 4.0-D) and disconnect the power supply.

1. Follow the first 7 steps in section "Cleaning water sump" in chapter 9.1 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 will 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 in-line filter

1. Turn off the water supply.
2. Close the ball valves.
3. Replace the in-line filter.

(Place it in correct alignment, there's a "flow" direction marking on the filter).

9.2 Resetting absorption valve (see fig. 5.0-K)

When the absorption valve is activated, the sponge need to be replaced. The absorption valve is located on the right front at the bottom of the Engine.

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

10 Technical data

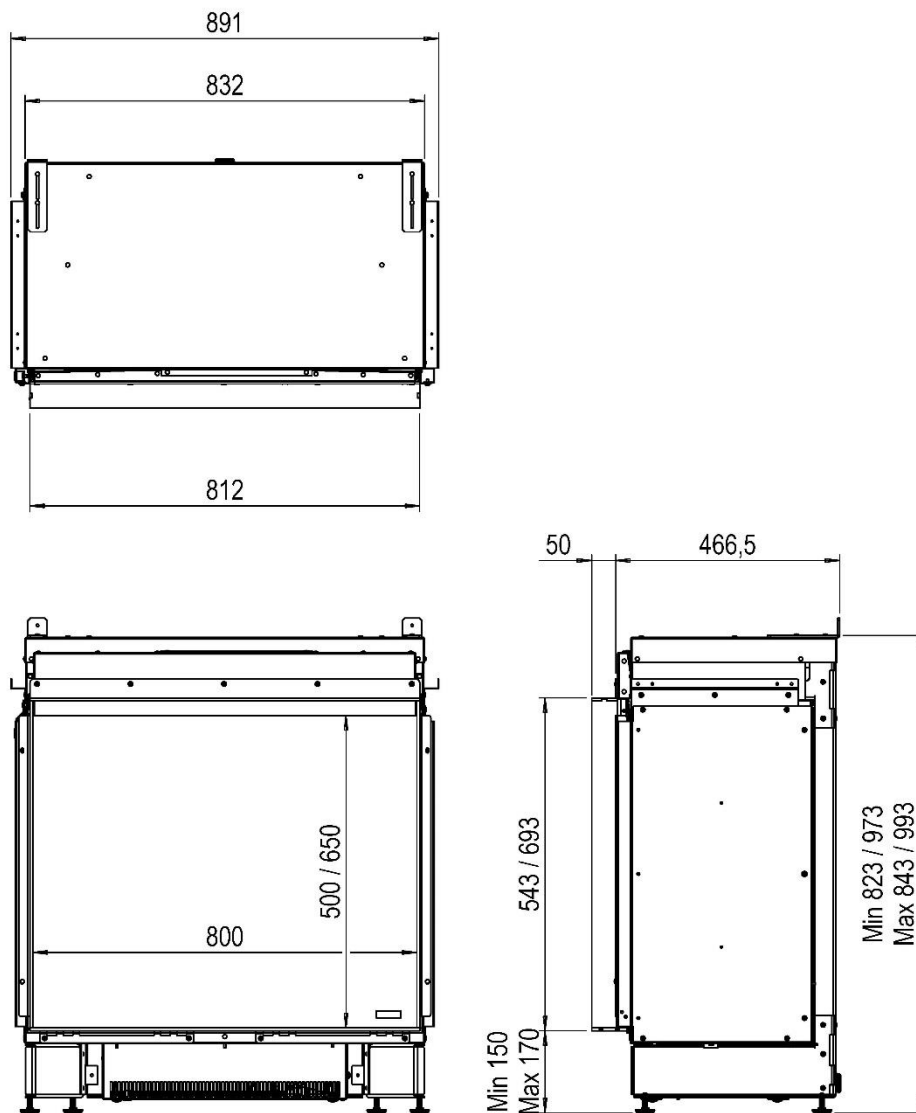
Watts	W	1800-2000
Volts	V	230-240
Batteries remote	V	(2x) 1,5 AA
Water consumption	L/h	0,15
Inlet water pressure	Bar	0,5-8
Water connection	Inch	½ or ¾

11 Troubleshooting and fault codes remote control

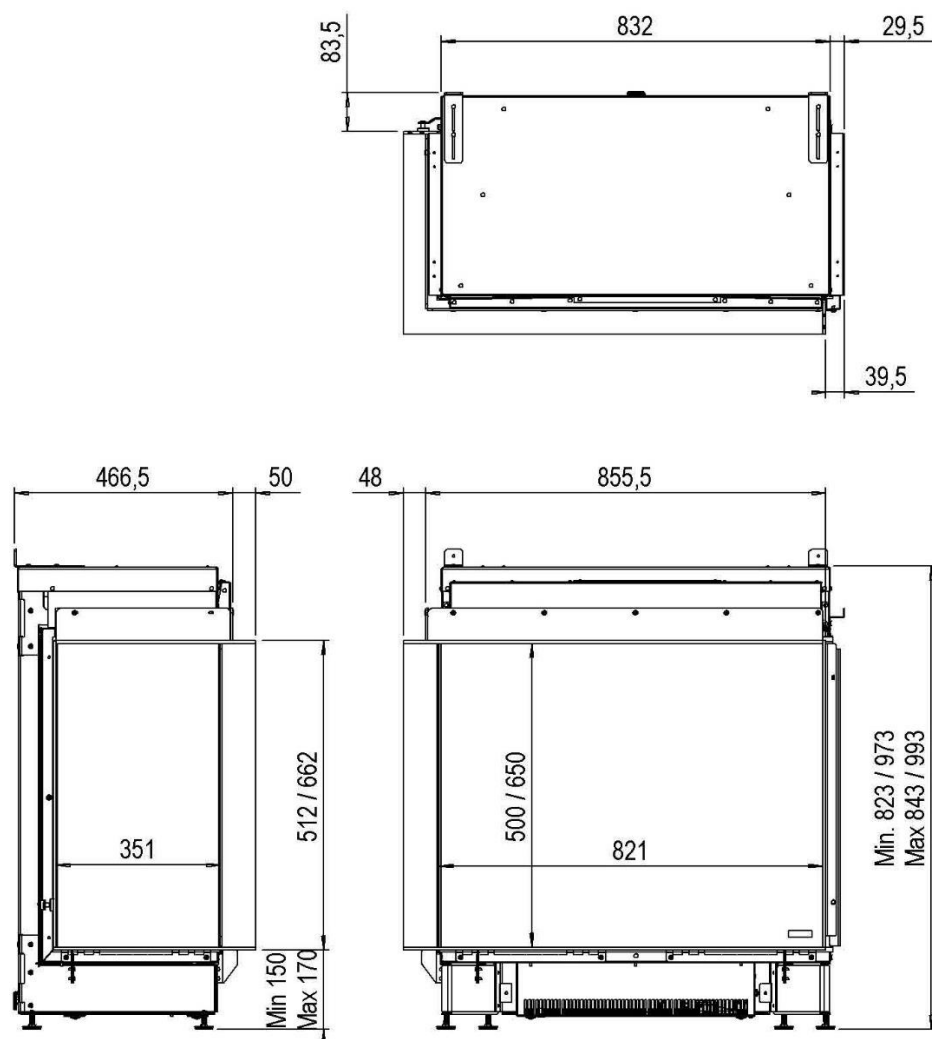
Code	Symptom	Cause	Action
	The flame effect will not start.	No power supply. Low water level. The transducers are not connected properly.	Check if power supply is connected to wall socket correctly and the mains switch of the Control box is in the ON (I) position. See "First time water fill", Chapter 4 in the user manual. Check that the connector(s) is inserted correctly, see fig. 7.1.
51	e-Matrix will not start or stopped working and the LED's continuously to blink twice.	Low water level. The absorption valve (overflow protection) is activated.	See "First time water fill", chapter 4. Switch the mains switch of the Control box to the "OFF" (0) position, see fig. 4.0-D. Check all connections on water leakage and turn the mains switch back in the "ON" position. See section 9.2.
56	e-Matrix will not operate, the LED's continuously to blink four times.	Water filling time is too long.	Switch the mains switch of the Control box to the "OFF" (0) position, see fig. 4.0-D. Check all connections on water leakage. Close the ball valves and check the mesh filter by unscrewing the base of it to see that it is not clogged with dirt and debris. Open the ball valves again and turn the mains switch back in the "ON" position.
	The flame effect is too low on the highest setting.	The transducers and/or air filter are dirty.	See chapter 9.
	The flame effect is too high and there is too much smoke.	The extractor fan doesn't work anymore.	Check if the fan, mounted at the top right inside the fire, is running.
	Remote is not working.	Low batteries. Remote isn't paired to receiver. Distance to fire is too far.	Place new batteries, see chapter 5 in user manual. Pair the remote control with the receiver, see chapter 5 in user manual. Shortens the distance.
	Large amount of smoke appears grey or colourless.	Lamp failure.	Replace circuit board with lamps.
57	e-Matrix will not operate, the LED's continuously to blink three times.	Water leak	Switch the mains switch of the Control box to the "OFF" (0) position, see fig. 4.0-D. Check all connections on water leakage and turn the mains switch back in the "ON" position.
58	e-Matrix will not operate, the LED's continuously to blink once every eight seconds.	Water level too high.	Switch the mains switch of the Control box to the "OFF" (0) position, see fig. 4.0-D and call for maintenance.

12 Dimensional drawings

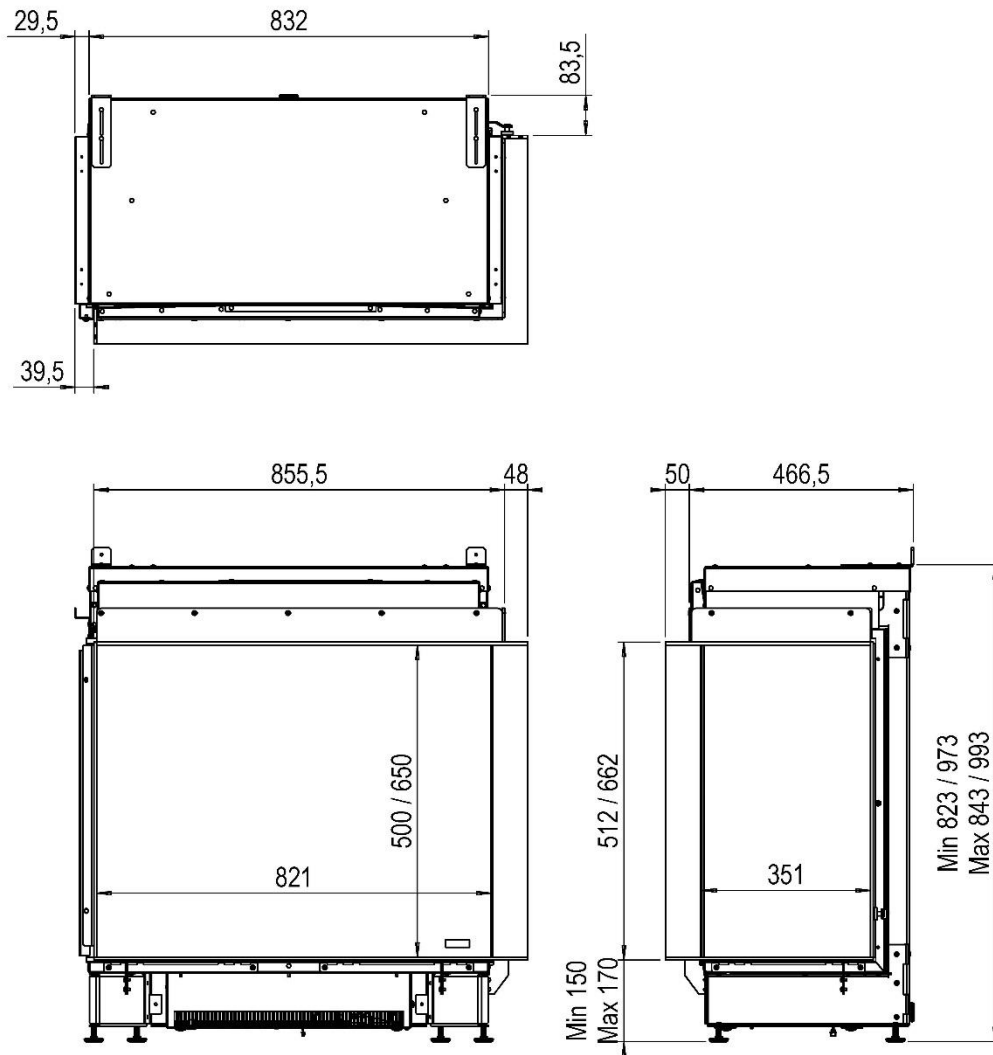
12.1 e-MatriX heat 800/500-650 I



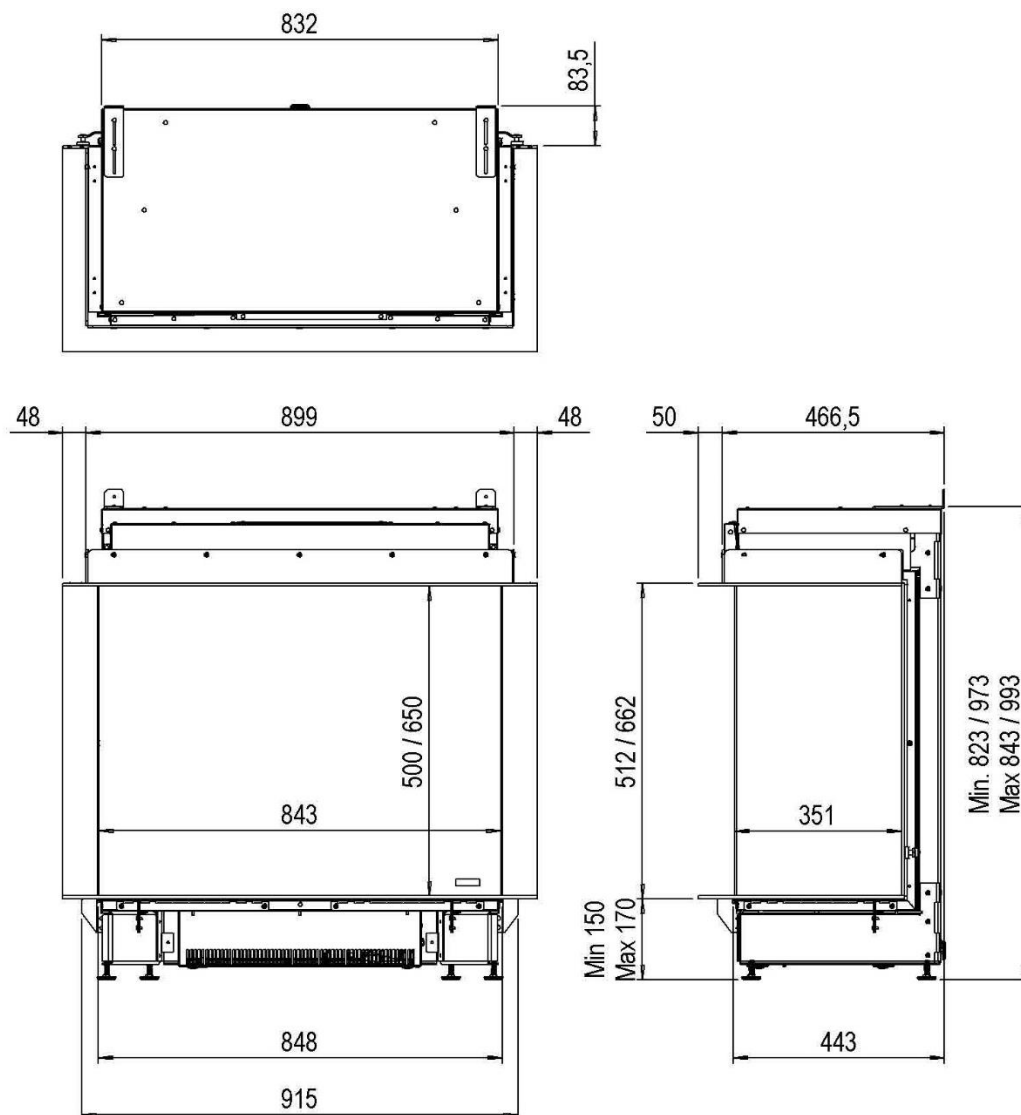
12.2 e-MatriX heat 800/500-650 IIL



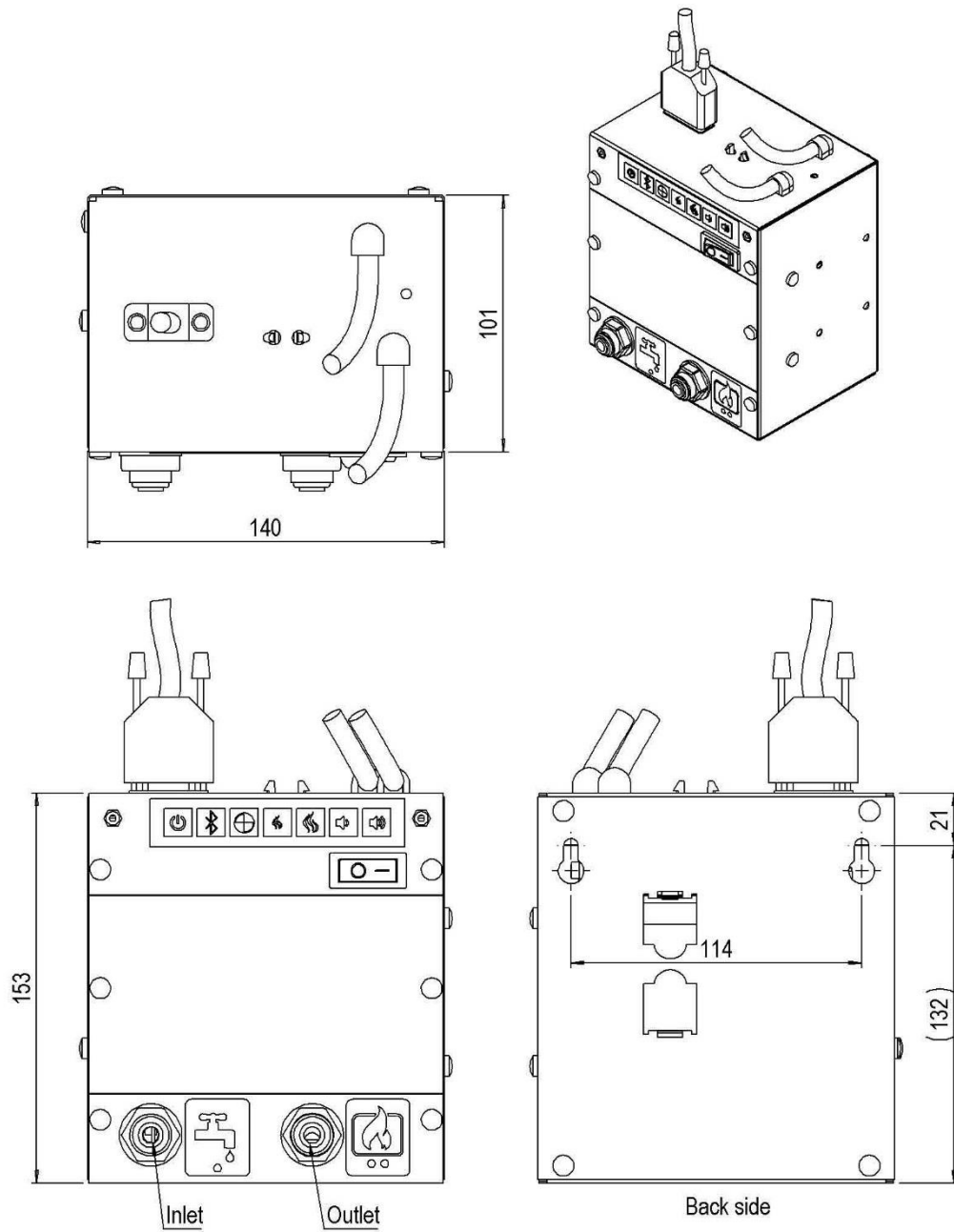
12.3 e-MatriX heat 800/500-650 IIR



12.4 e-MatriX heat 800/500-650 III

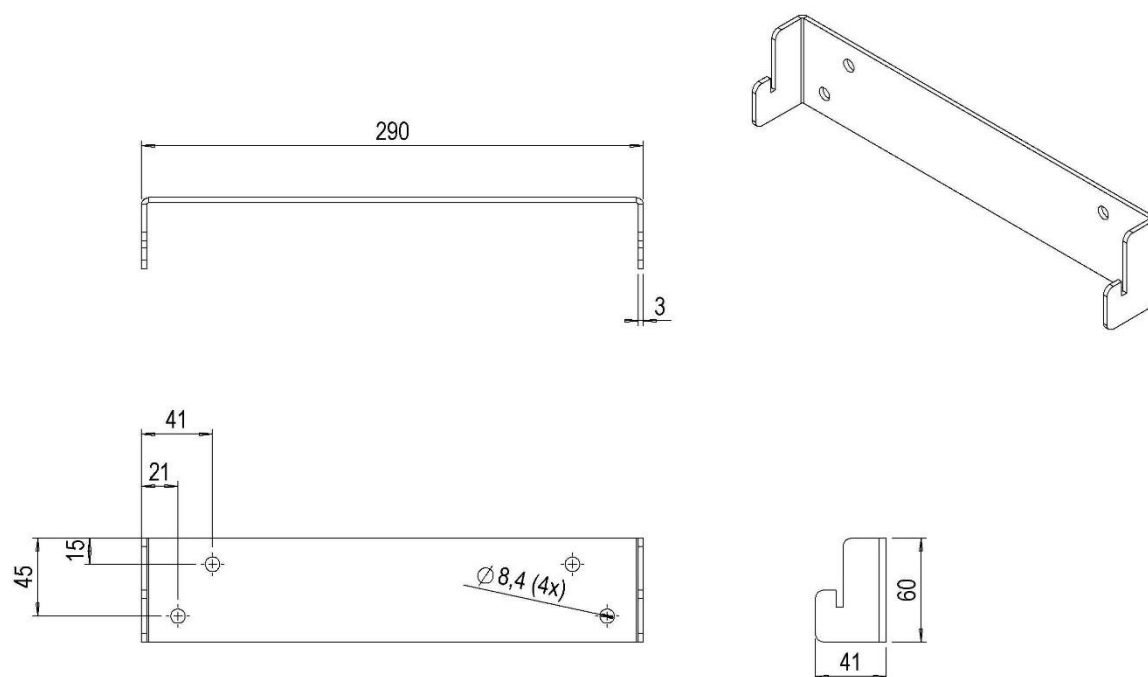


12.5 Control box

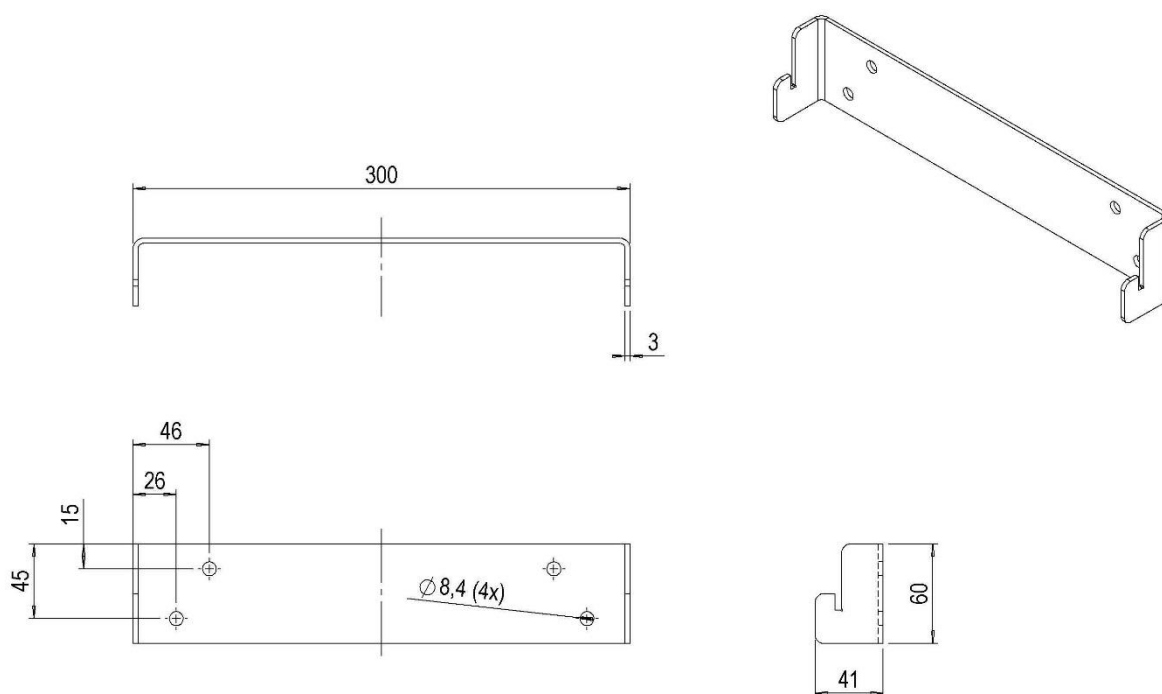


12.6 Wall brackets

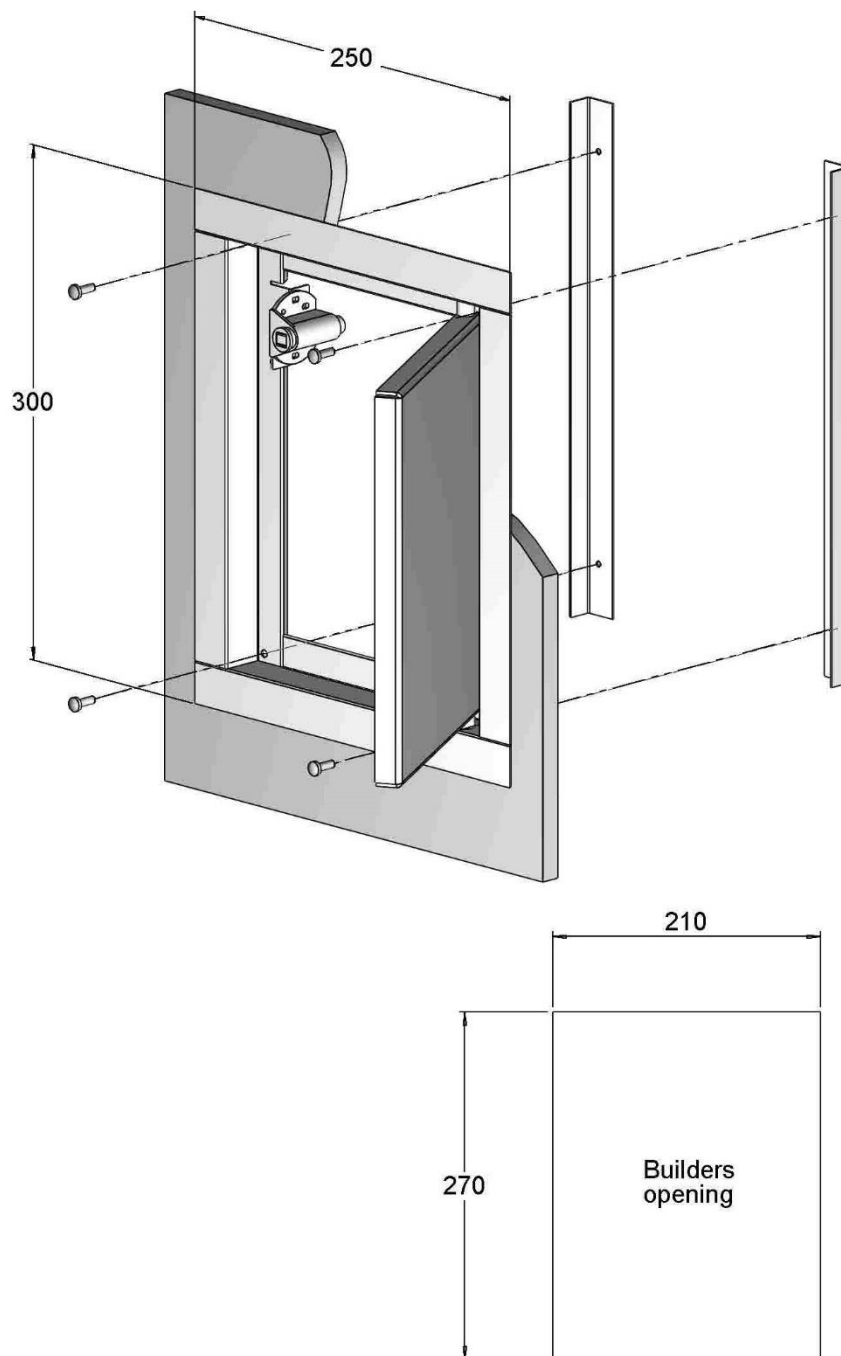
e-MatriX 800/500 I,II, III heat (Article number A9325196)



e-MatriX 800/650 I, II, III heat (Article number A9324596)



12.7 Remote access door (Article number A9299463)









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