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SOHN

## Visby II with exchanger

**Equipment sheet**  
Fireplace stove with exchanger

**GB**

# Introduction

**We thank you very much for purchasing our product!**

The description of the heating device will inform you in detail about the design, technical specification and operation of the heating device. We recommend you to acquaint yourselves closely with these data. In this way, you will avoid possible faults during the proper assembly and operation.

**You will find** detailed conditions of installation and operation in General Manual of Operation (included in the scope of the delivery).

## Notes in the text

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Of utmost importance there are the notes entitled **WARNING**. The notes entitled **WARNING** advise you on **serious danger of damage to the heating device or of an injury**.



The note entitled **Notice** advises you on possible damage to your heating device.



The note entitled **Important** calls your attention to the information important for the operation of your heating device.



The note itself calls your attention to the information important for the operation of your heating device in general.

# Contents

<b>1. Technical data</b> .....	1
<b>2. Technical description</b> .....	2
<b>3. List of spare parts</b> .....	3
3.1. Overall scheme of the model .....	3
3.2. Detail A1 .....	5
3.3. Detail A2, A3, A4, A5.....	7
<b>4. Dimensioned diagram</b> .....	9
4.1. Connection of the exchanger .....	9
<b>5. Easy control</b> .....	10
<b>6. Ignition flap</b> .....	11
<b>7. Installation of the coolant loop</b> .....	12
<b>8. Instructions for cleaning of the exchanger</b> .....	13



# 1. Technical data


## Suitable fuel:

As concerns suitable fuel to be employed, see the chapter **2.2 Fuel** in the General Manual of Operation.

## Proper operation:

As concerns the proper and safe operation of the fireplace stove, see the chapters **2. Description of the combustion process** and **5. Operating instructions** in the General Manual of Operation.

## Instructions for the control of combustion process

Fuel		Output of the heating device	Quantity of fuel	Primary air	Secondary air	Tertiary air
Blockwood		100%	3,1 kg/hour		Easy control 100%	
		33%	1 kg/hour		Easy control 50%	

## Technical data

	Blockwood
Achieved heat output (100%)	10,2 kW
Nominal heat output	10,2 kW
Reduced heat output (33%)	—
Output delivered by the stove body only	2,4 kW
Output available for heating of water	7,8 kW
Maximum stoking amount of the fuel	3,1 kg/hour
Average temperature of combustion products behind the smoke flue neck	302 °C
Maximum mass flow of dry combustion products	9,2 g/s
Energy efficiency	78,9 %
Average concentration of CO <sub>2</sub>	9,76 %
Concentration of CO in combustion products at 13% O <sub>2</sub>	692 mg/Nm <sup>3</sup>
Average concentration of dust at 13% O <sub>2</sub>	37 mg/Nm <sup>3</sup>
The amount of combustion air at nominal output	26 m <sup>3</sup> /hour
Tested in compliance with EN 13 240	

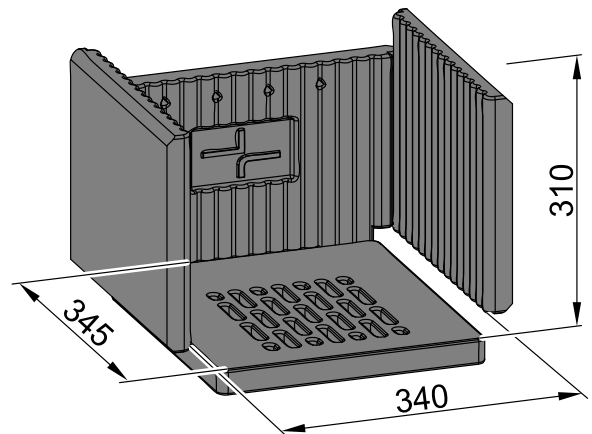
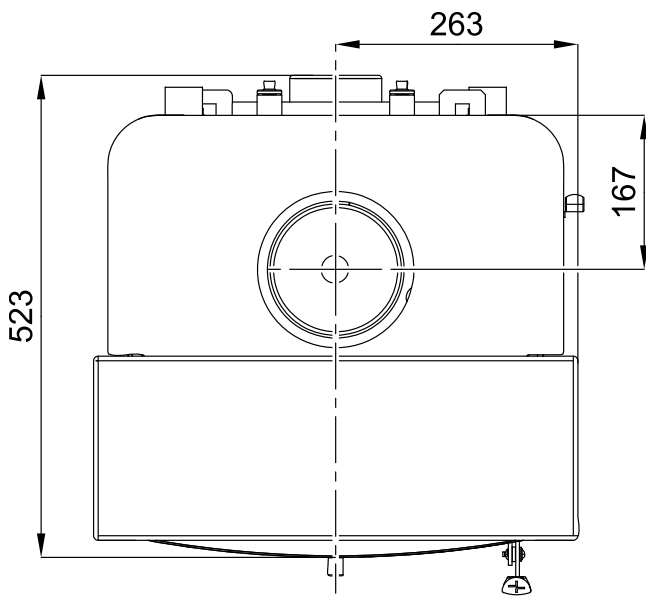
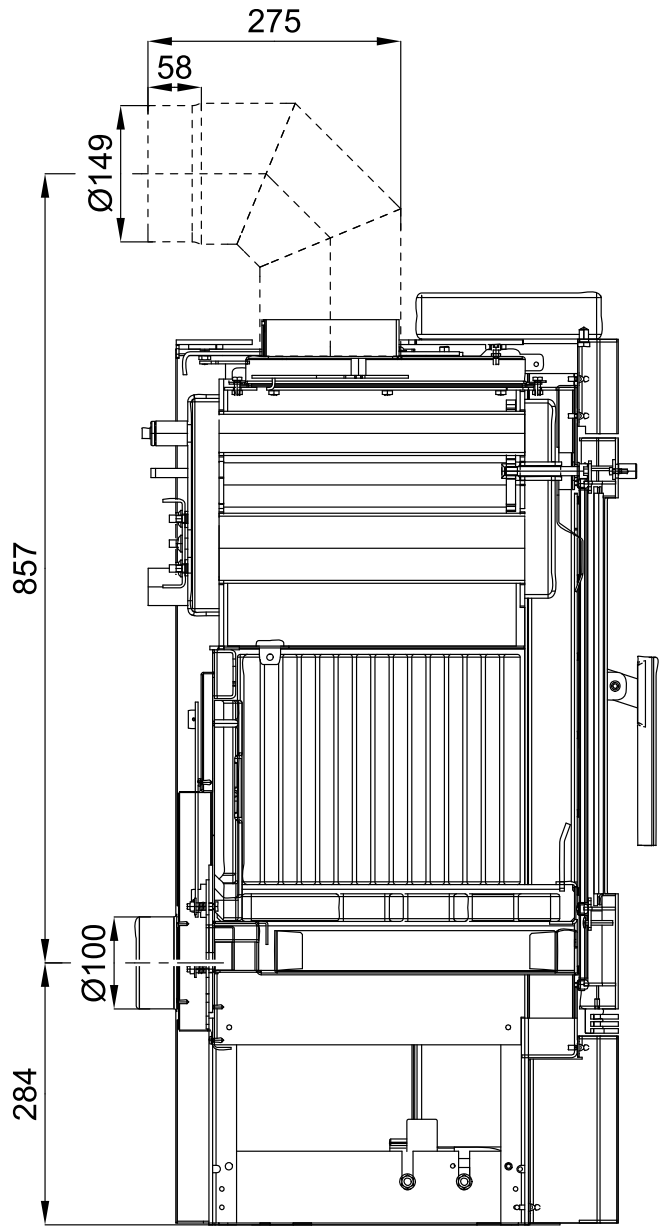
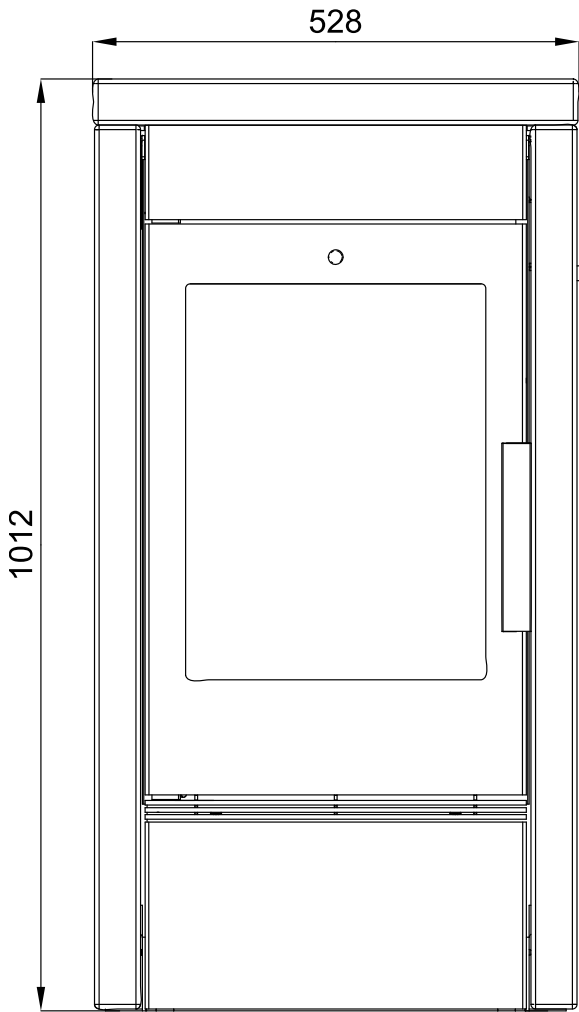
## Technical information

Height	1012 mm
Width	528 mm
Depth	523 mm
Weight	194 kg
Diameter of the smoke flue	150 mm
Maximum operating over-pressure of the exchanger	0,2 MPa
Water contents of the exchanger	14 l
Recommended heat gradient (t <sub>output</sub> – t <sub>input</sub> )	75 – 60 °C
Min. chimney stack draught in the smoke flue neck	12 Pa
Heating capacity (middle heat losses ) at 10,2 kW	cca 184 m <sup>3</sup>
Controllable output	3,3 – 10,2 kW

# 2. Technical description

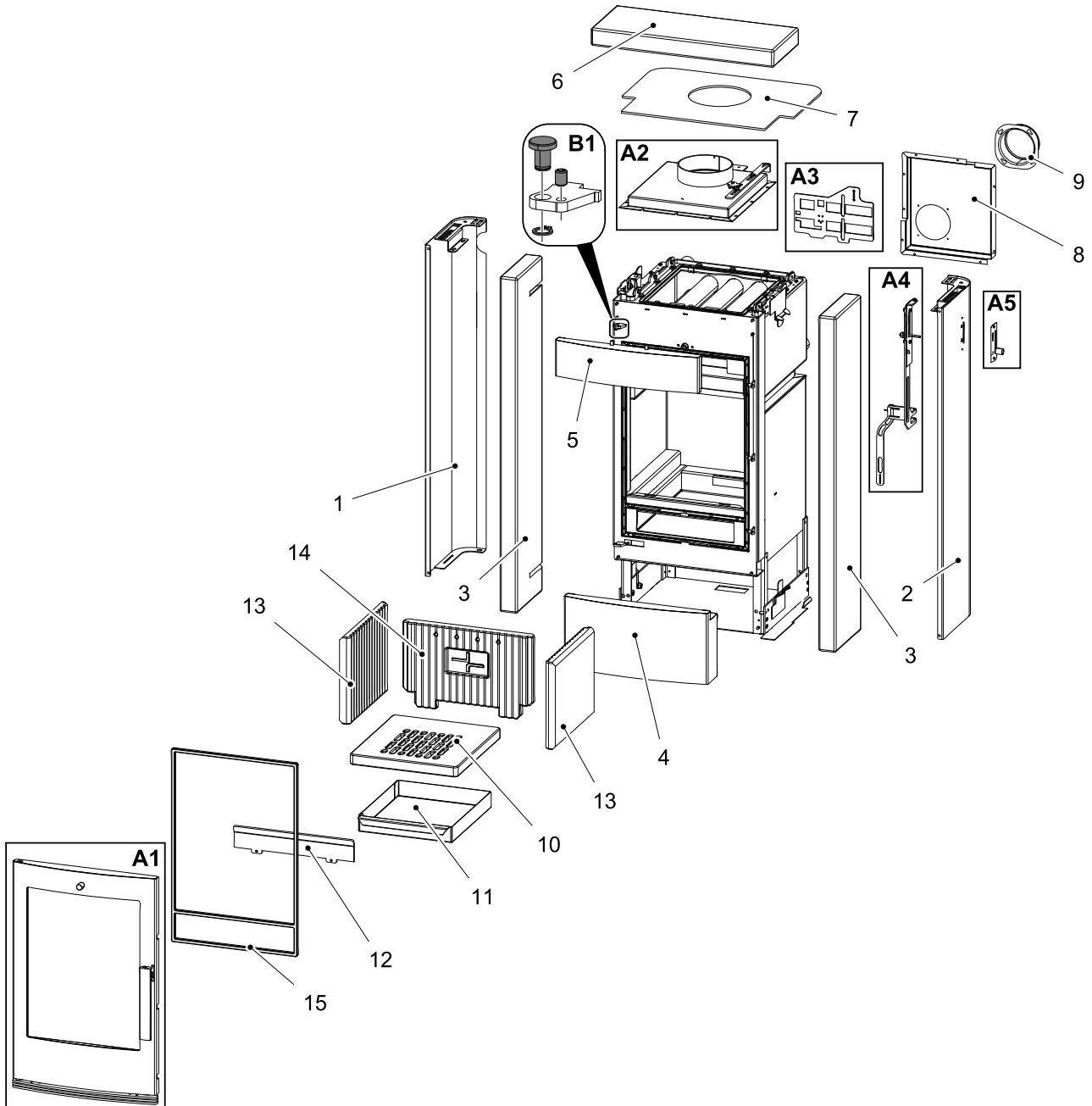
Technical description

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# 3. List of spare parts

## 3.1. Overall scheme of the model

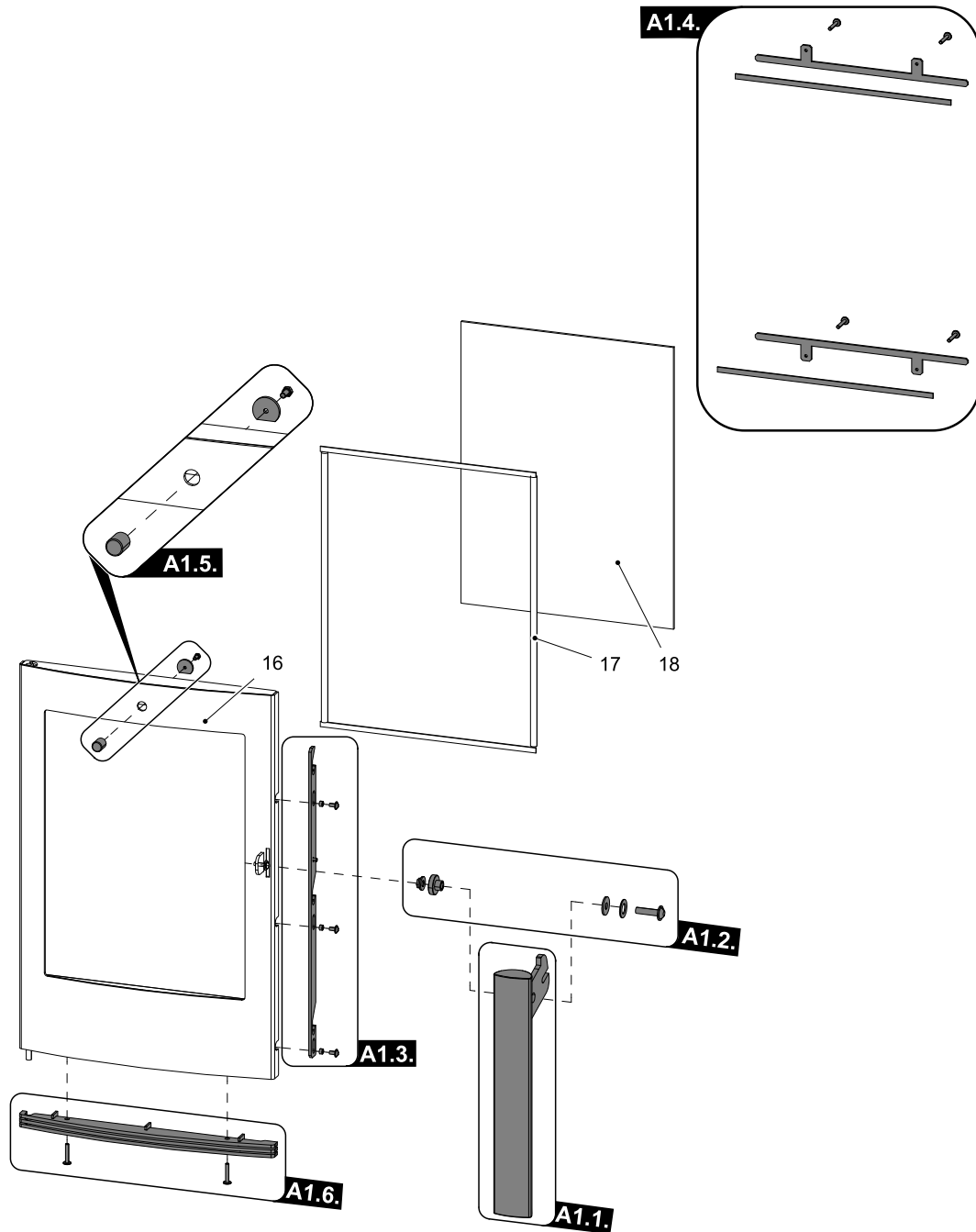


Item	Name	Quantity	Number of goods
<b>Overall scheme of the model</b>			
<b>A1</b>	Fire-box door (complete)/black-silver	1 piece	0434515005300
<b>A2</b>	Lid (complete)/black	1 piece	0434515015095
<b>A3</b>	Sliding valve (complete)/black	1 piece	0434617005027
<b>A4</b>	Control (complete)/Easycontrol	1 piece	0434517005060
<b>A5</b>	Controller (complete)	1 piece	0434615005005

<b>B1</b>	Hinge connecting material — set	1 piece	0434515005128
<b>1</b>	Lateral cover — left/black	1 piece	0434515105019
<b>2</b>	Lateral cover — right/black	1 piece	0434515105018
<b>3</b>	Lateral lining/Woodstone	2 piece	0434515106100
<b>4</b>	Lower cover/black	1 piece	0434515015146
<b>5</b>	Upper cover/black	1 piece	0434515015145
<b>6</b>	Upper lining/Woodstone	1 piece	0434515106200
<b>7</b>	Top cover/black	1 piece	0434515007801
<b>8</b>	Rear cover	1 piece	0434517005000
<b>9</b>	External air input (Ø100)	1 piece	0088500050008
<b>10</b>	Grate/lackfire	1 piece	0434515005053
<b>11</b>	Ashpan	1 piece	0434515005030
<b>12</b>	Protection/black	1 piece	0434515005040
<b>13</b>	Refractory lining — right+left (30x250x307)	2 piece	0434617005504
<b>14</b>	Refractory lining — rear (30x239x375)	1 piece	0434617005501
<b>15</b>	Door sealing cord 10 mm	2500 mm	0040300100005



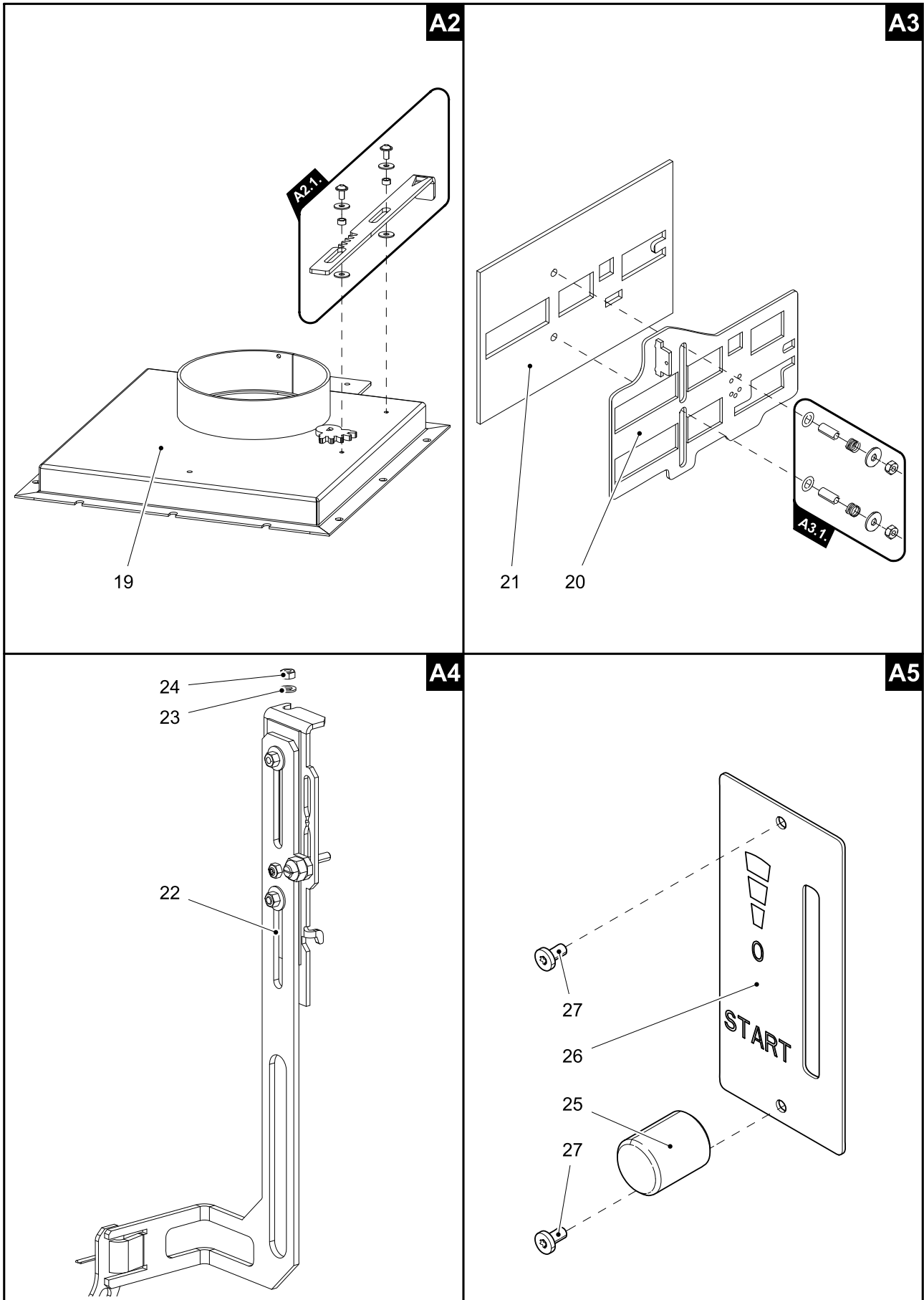
### 3.2. Detail A1



Item	Name	Quantity	Number of goods
<b>Detail A1</b>			
<b>A1.1.</b>	Fire-box door lever lock (complete)	1 piece	0429415005318
<b>A1.2.</b>	Handle connecting material — set	1 piece	0434615505002
<b>A1.3.</b>	Closing mechanism drawbar — set	1 piece	0434615005321
<b>A1.4.</b>	Glass holder — set/black	1 piece	0434615005330
<b>A1.5.</b>	Cleaning cover — set/black	1 piece	0434515505005
<b>A1.6.</b>	Shutter/silver — set	1 piece	0434515005315
<b>16</b>	Fire-box door (welded part)/black	1 piece	0434515005200

17	Glass sealing cord — set (10mm, 8x2 mm)	1 piece	0435015105300
18	Refractory glass (345x455)	1 piece	0434515005304

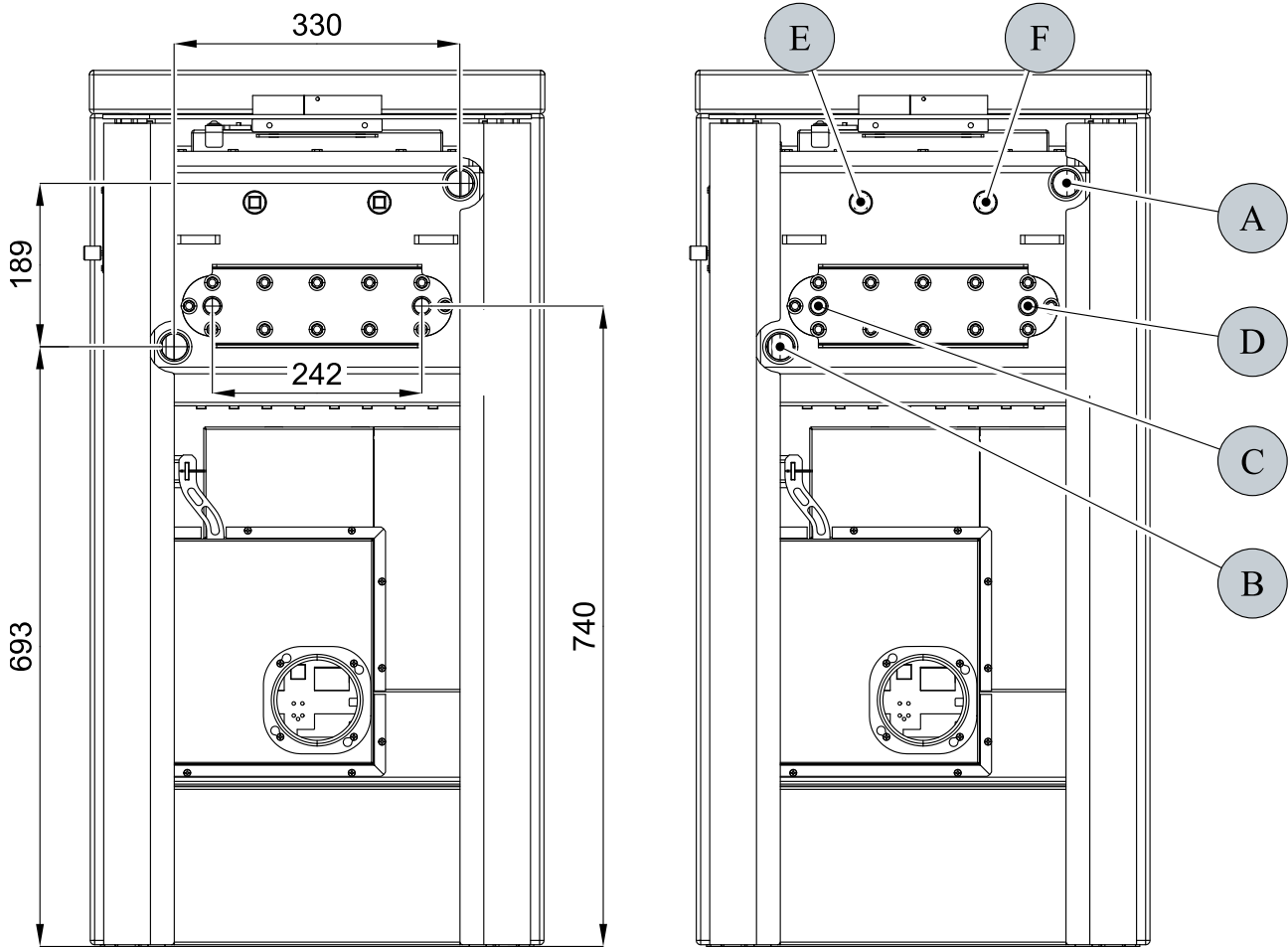
### 3.3. Detail A2, A3, A4, A5



<b>Detail A2</b>			
<b>Item</b>	<b>Name</b>	<b>Quantity</b>	<b>Number of goods</b>
<b>A2.1.</b>	Flap drawbar/black — set	1 piece	0434515005088
<b>19</b>	Lid/black	1 piece	0434515015085
<b>Detail A3</b>			
<b>Item</b>	<b>Name</b>	<b>Quantity</b>	<b>Number of goods</b>
<b>A3.1.</b>	Sliding valve connecting material — set	1 piece	0434615005003
<b>20</b>	Sliding valve/black	1 piece	0434617007027
<b>21</b>	Sliding valve sealing	1 piece	0434517005052
<b>Detail A4</b>			
<b>Item</b>	<b>Name</b>	<b>Quantity</b>	<b>Number of goods</b>
<b>22</b>	Control/Easycontrol	1 piece	0434517005060
<b>23</b>	Washer 5.3 DIN 125A	1 piece	-
<b>24</b>	Nut M5 DIN 980V	1 piece	-
<b>Detail A5</b>			
<b>Item</b>	<b>Name</b>	<b>Quantity</b>	<b>Number of goods</b>
<b>25</b>	Controller	1 piece	0420915005625
<b>26</b>	Controller label	1 piece	0429415005171
<b>27</b>	Screw M3x10 BN 9524	2 piece	0030400300105

# 4. Dimensioned diagram

## 4.1. Connection of the exchanger



Dimensioned diagram

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Item	Name
<b>A</b>	Forward flow connection (inside thread G1")
<b>B</b>	Reverse flow connection (inside thread G1")
<b>C</b>	Intake of cooling liquid (outside thread G1/2")
<b>D</b>	Outlet of cooling liquid (outside thread G1/2")
<b>E</b>	Hole for thermostatic sensor cup (inside thread G1/2")/cooling loop
<b>F</b>	Hole for thermostatic sensor cup (inside thread G1/2")/circulation pump

# 5. Easy control

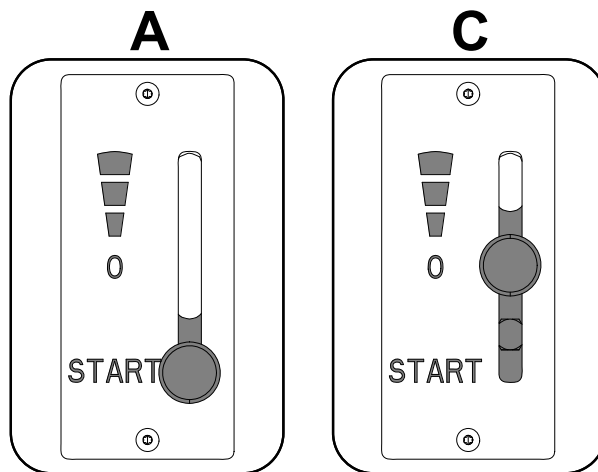
Control of all three air inputs - primary, secondary, tertiary - by means of one sole controller.

1. The controller is in the position intended for ignition (fig. A). All three air inputs are open (primary, secondary, tertiary).
2. The controller is in the position intended for burning of the stove after ignition (fig. B). Two air inputs are opened only (secondary, tertiary).
3. The controller is in the position designed to close air inputs (Fig. C). No input is open (primary, secondary, tertiary). This position is used only when the stove is out of operation, after finishing the heating process.

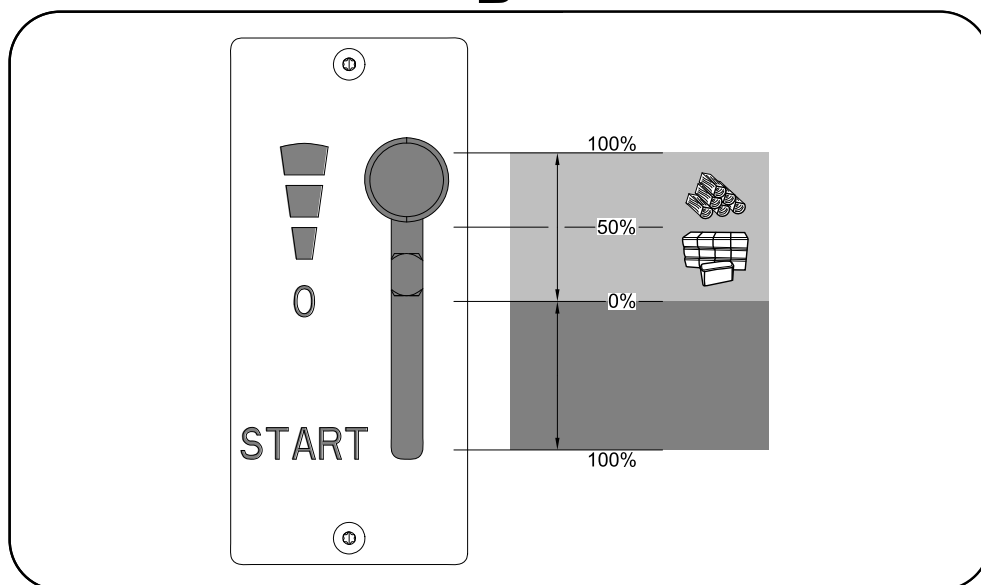


## WARNING

Air inputs may not be closed during the heating operation (Fig. C)! In an extreme case, there can occur an explosion in the stove followed by breaking of glass, blowing up of cinders across the room and breaking out of the fire.



B



# 6. Ignition flap



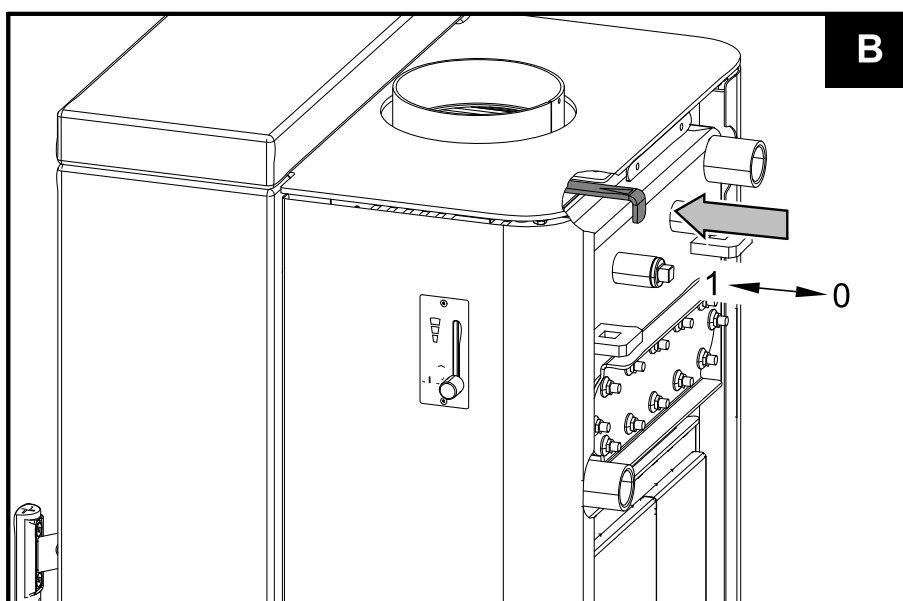
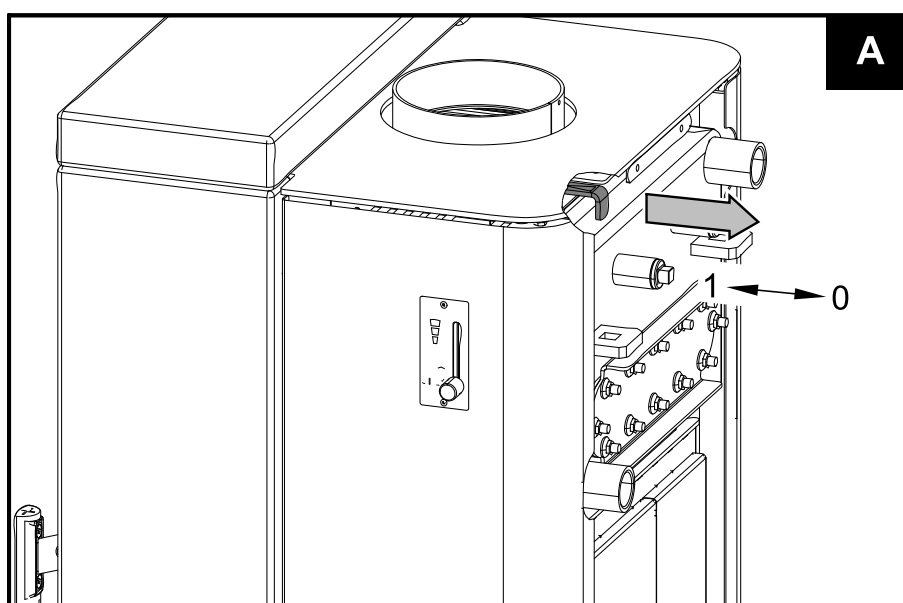
## IMPORTANT

When lighting the stove or if the stove has a weak draft, pull out the ignition flap controller to Position 0 (Fig. A). In this position, the ignition flap is open. During the heating, push the ignition flap controller to Position 1 (Fig. B). In this position, the ignition flap is closed.



## Note

Keep in mind that heating efficiency is significantly reduced, the fuel consumption increases and emission parameters deteriorate when heating with the kindling vent open for a prolonged period of time!



# 7. Installation of the coolant loop

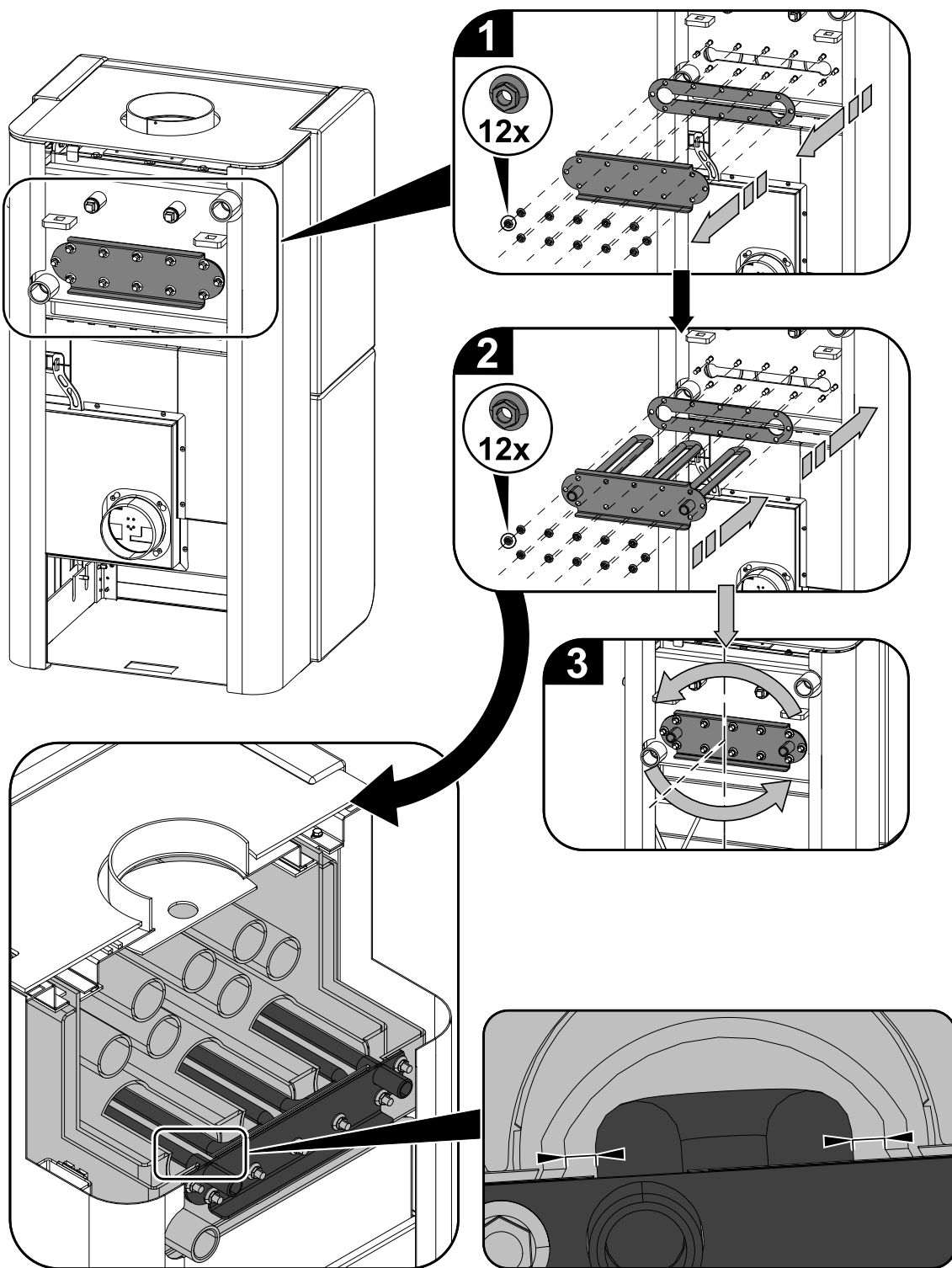


## IMPORTANT

Coolant loop not included in the scope of the delivery.

Installation of the coolant loop

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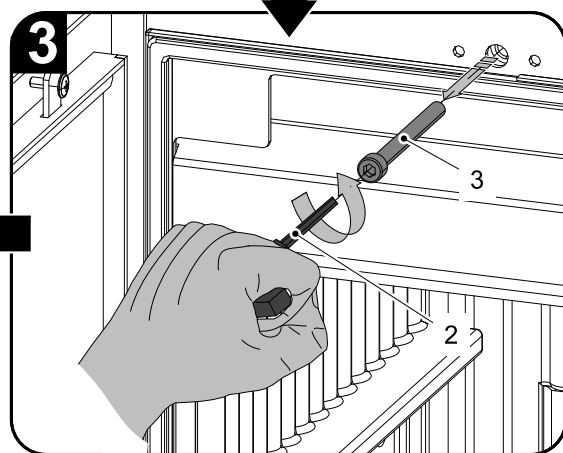
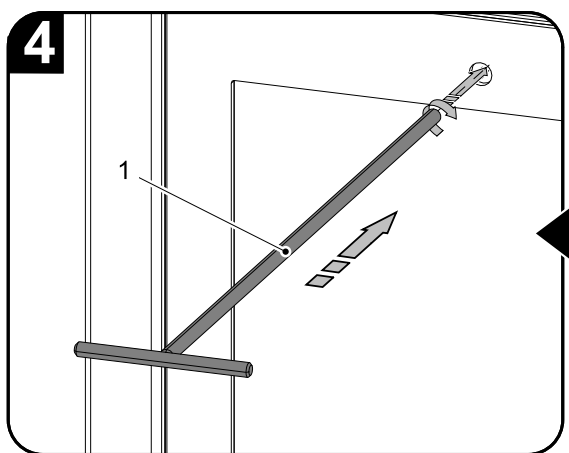
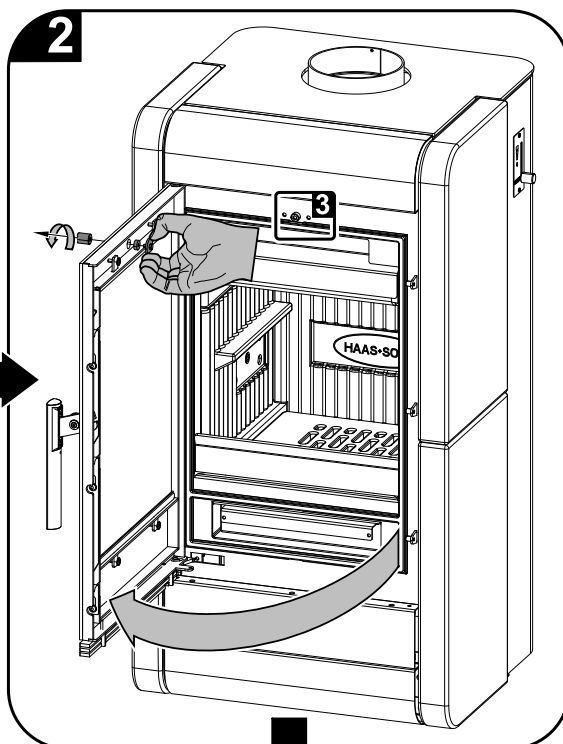
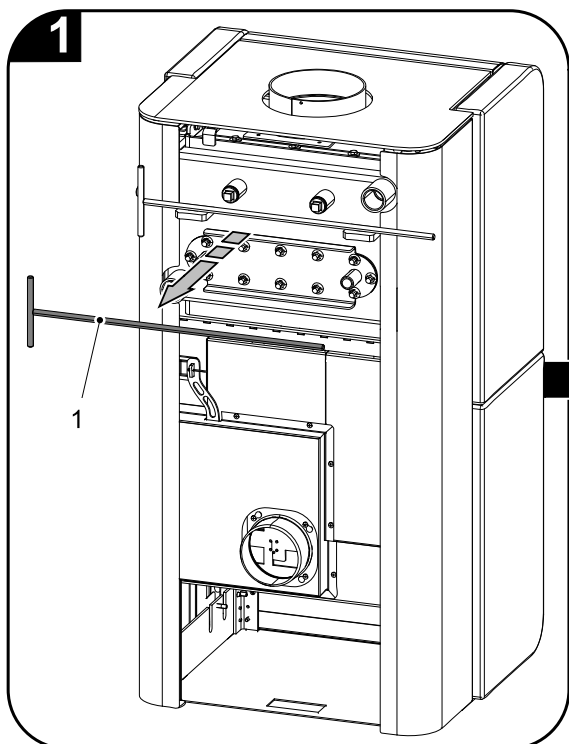
# 8. Instructions for cleaning of the exchanger



## IMPORTANT

It is recommended to perform the cleaning by wiping blade (item 4, fig. 5) 1x in a week at least, or more often, depending on the manner of operation

### 1. Preparation and mounting of the cleaning drawbar.

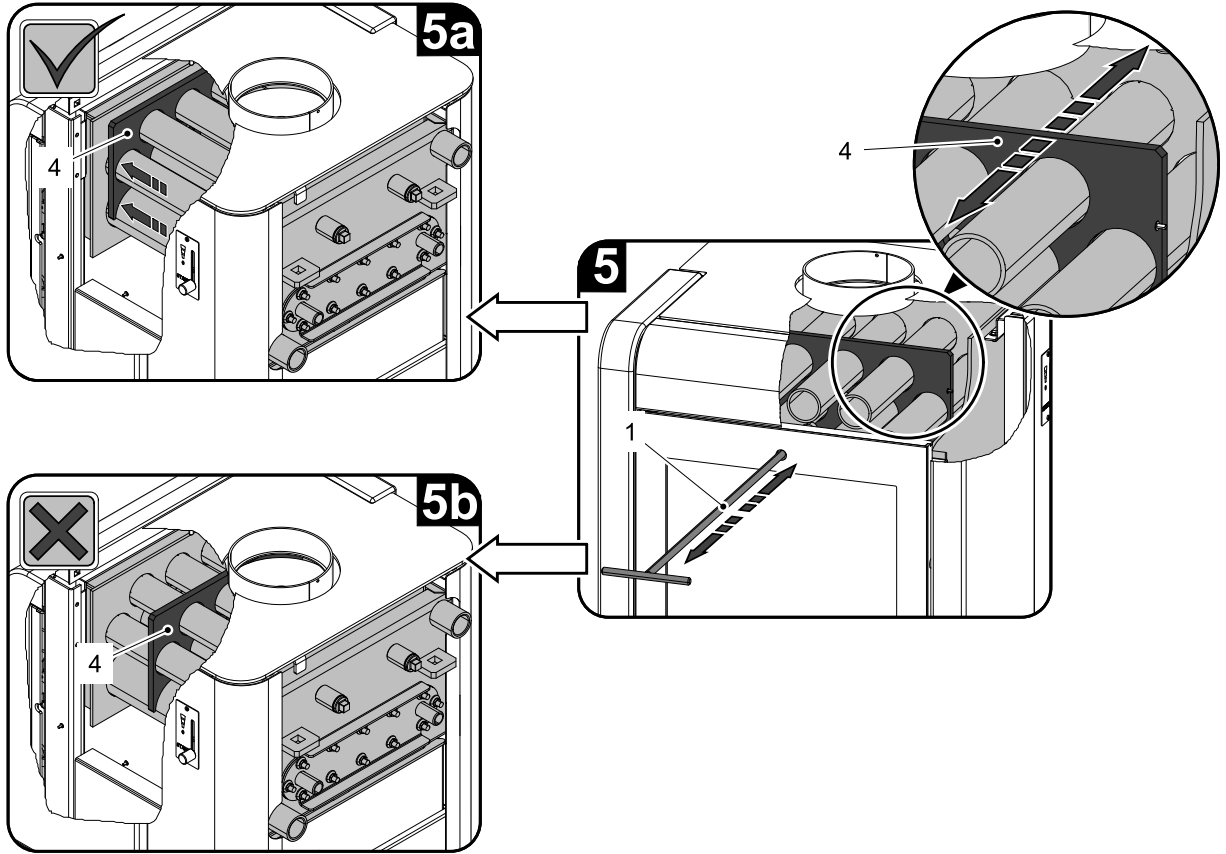


2. Proper cleaning and arrestment of the cleaning board.



**IMPORTANT**

Once the clearing is terminated, arrest the wiping blade always (fig. 5a). Do not leave the wiping blade above a flame (fig. 5b).



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Item	Name	Number of the spare part
1	Drawbar of the cleaning/black	0433317005063
2	Allen wrench 8mm (forms part of the delivery)	9001700080005
3	Screw M10x80 (DIN 912)	0030031000805
4	Wiping blade	—

