45x / 45x51 KII

55x / 65x

75x / 75x39 KII

Operating manual

Fireplace insert hatch, flat + II

AUSTROFLAMM

www.austroflamm.com

Operating manual

08/05/2025

Version: 5.0

LEGAL NOTICES

Owner and publisher

AUSTROFLAMM GMBH
Austroflamm-Platz 1
A- 4631 Krenglbach
Tel: +43 (0) 7249 / 46 443
www.austroflamm.com
info@austroflamm.com

Edited by: Austroflamm GmbH

Illustrations: Konstruktion

Text: Technical department (Austroflamm)

Contents

1 General information 6
1.1 Copyright 6
1.2 Information about the document 6
2 Purpose of the manual 7
2.1 Storing the manual 7
2.2 Structure of the manual 7
2.3 Representations used 7
2.4 Version control 7
2.5 Abbreviations 8
3 Safety 9
3.1 Importance of the safety instructions 9
3.2 Warning of sources of danger 9
3.2.1 General safety instructions 9
3.2.2 Safety distance 10
3.2.3 Special types of danger and personal protective equipment 10
4 Product overview 11
4.1 Intended use 11
4.2 Identification of the product 11
4.2.1 Design overview 11
4.2.2 Positioning of the nameplates 13
5 Technical data 14
5.1 45x51-K-2.0 14
5.2 45x51-KII 18
5.3 45x51-Kr 22
5.4 45x57-K-2.0 26
5.5 45x68-K-2.0 30
5.6 55x51-K-2.0 34
5.7 55x57-K-2.0 38
5.8 65x45-K2.0 42
5.9 65x51-K-2.0 46
5.10 65x57-K-2.0 50
5.11 75x39-K-2.0 54
5.12 75x39-KII 58
5.13 75x57-K-2.0 62
5.14 Data for the chimney/flue dimensioning 66
5.15 Hypocaust heating 67
6 Transport, handling and storage 68
6.1 Transportation 68
6.2 Transport brackets 68
6.3 Storage 69
7 Requirements at the installation location 70
7.1 Requirements at the room of installation 70

7.2 Installing the fireplace insert ... 70
7.3 Combustion air supply ... 70
7.4 Flue pipe ... 71
7.5 Chimney requirements ... 71
7.6 Multiple occupancy ... 72
7.7 Flue pipe connecting pieces ... 72

8 Fuel material/-quantity ... 73
8.1 Fuel material ... 73
8.2 Fuel quantity ... 75

9 Installation instructions ... 76
9.1 Set-up in front of or next to a wall to be protected ... 76
9.2 Convection claddings ... 78
9.2.1 Convection space ... 79
9.3 Open fireplace system ... 79
9.4 Closed fireplace system (hypocaust) ... 80
9.5 Protecting the installation base ... 80
9.6 Expansion joints ... 80
9.7 Cladding ... 80
9.8 Fireplace aprons ... 80
9.9 Ornamental beam ... 80
9.10 Ceiling above the fireplace insert ... 81
9.11 Floor in front of the fireplace insert ... 81
9.12 Fire protection ... 81
9.13 Thermal insulation layers and materials ... 82
9.14 Electric cable runs ... 83
9.15 Balanced flue-tested fireplace inserts ... 83

10 Connection to ceramic flues ... 84
10.1 Stove with ceramic flue ... 85
10.2 Connection to heat recovery surfaces ... 86

11 Installation ... 87
11.1 Risks and dangers ... 87
11.2 Execution ... 87
11.2.1 Placing the fireplace insert ... 87
11.2.2 Removing the Keramott transport lock / installing the baffle plate ... 88
11.2.3 Installing the baffle plate ... 89
11.2.4 Installing the firebox lining (Keramott) ... 90
11.2.5 Mounting the firebox door ... 91
11.2.6 Converting the sheet metal heat deflector to right-hand hinge ... 94
11.2.7 Converting the combustion air collar ... 96
11.2.8 Installing the Heat Memory System (HMS) ... 96
11.2.9 Mounting top storage bricks ... 97
11.2.10 Mounting large top storage box ... 100
11.2.11 Mounting the flat elbow ... 102
11.2.12 Mounting small storage box - klapp appliances ... 102
11.2.13 Assembling InsertControl ... 104
11.2.14 Mounting the convection cladding ... 111
11.2.15 Mounting the designer frame ... 118

11.2.16 Mounting the support frame 124
11.2.17 Installing the ash box 126

12 Settings 127
12.1 Adjusting the door 127
12.2 Adjusting the smoke collector 128

13 Commissioning 129
13.1 Initial Commissioning 129

14 Operation 130
14.1 Controls 130
14.2 Before heating up 131
14.3 Firing 131
14.4 Heating 132
14.5 Putting on wood 133
14.6 Heating in the transition period 133
14.7 Heating with the ceramic flue (heat recovery surface) 133
14.8 Operation 134

15 Maintenance 135

16 Cleaning 136
16.1 Cleaning fireplace insert, fuel gas flues 136
16.2 Emptying the ash box 136
16.3 Cleaning the door window 138
16.4 Cleaning surfaces 138

17 Help 139
17.1 Firebox lining 140
17.2 What to do in the event of a chimney fire 140
17.3 What to do in the event of faults 140

18 Spare parts 141

19 Dismantling 142

20 Disposal 143

21 Guarantee and warranty 145

22 Start up log 146

23 Service Report 147

1 General information

You have decided in favour of an Austroflamm stove.

Congratulations on your decision and thank you for your trust.

Correct operation and care are essential for trouble-free operation and long service life. Likewise, please follow the instructions in the operating manual.

The information in this manual is of a general nature. National and European standards, local and building regulations, together with fire regulations must be complied with.

Read this instruction through carefully before installation and operation. No liability or warranty claims apply for damage incurred by failure to follow this manual. Please observe the instructions in the individual sections.

Please observe the instructions in the individual sections.

This manual is a component part of the fireplace inserts. It includes all the important information for both the dealer and the customer.

Personally hand over this manual to the owner of the fireplace inserts together with an introduction to the system (heating operations).

TIP

Please arrange the set-up location and connection to the chimney with the master chimney sweep.

In the following list we give you an overview of which sections are important for whom:

Dealer	End customer
Complete operating manual	General information
	Purpose of the manual
	Safety
	Product overview
	Technical data
	Transport, handling and storage
	Requirements at the installation location
	Fuel material/-quantity
	Settings
	Operation
	Commissioning
	Cleaning
	Help
	Disposal
	Guarantee and warranty
	Data processing
	Start-up log
	Service Report

1.1 Copyright

1.2 Information about the document

The information in this document is subject to change without prior notice and should not be construed as a commitment by Austroflamm GmbH. Austroflamm GmbH assumes no responsibility for any errors that may appear in this document.

2 Purpose of the manual

This manual is a component part of the fireplace insert and contributes towards the fireplace insert being safely installed and maintained.

TIP

Please read this manual before using commissioning or installation.

2.1 Storing the manual

Store this manual in case you need it. The current version of the manual can be found on-line at our homepage www.austroflamm.com.

2.2 Structure of the manual

The table of contents can be found on page 3.

Illustrations in this manual may differ from the delivered product.

2.3 Representations used

The following representations are used in this manual:

Steps with mandatory adherence to the sequence

✓ Prerequisite

1) Step 1
2) Step 2
3) …..

⇨ Intermediate result / additional information

⇨ Result

Steps and bullet points without mandatory sequence

- ….
- ….
  - ….
  - ….

Cross-references

See Technical Data

Useful tips

TIP

Fuel

Use only recommended fuel!

2.4 Version control

We update our manuals on a continual basis. The current version can be found at our homepage www.austroflamm.com.

2.5 Abbreviations

Abbreviation	Meaning
HMS	Heat Memory System
FI	Fireplace insert
CF	Ceramic flue
CVC	Convection cladding

3 Safety

In this manual we give you numerous safety instructions for the safe operation of your fireplace insert. These instructions are characterized differently as follows, depending on their importance:

3.1 Importance of the safety instructions

NOTICE

Particular behaviour and/or activities that are required for safe working. Failure to follow this can result in material damage.

⚠ CAUTION

Possible dangerous situation (light or minor injuries and material damage).

⚠ WARNING

Possibly imminent danger to life and health of persons (severe injuries or death).

⚠ DANGER

Immediately imminent danger to life and health of persons (severe injuries or death).

3.2 Warning of sources of danger

3.2.1 General safety instructions

- It is strictly forbidden to burn or introduce highly flammable or explosive substances, (such as empty aerosols and the like) into the firebox or to store them in the immediate vicinity of the fireplace due to the risk of explosion!
- Please note that the surfaces of the fireplace insert heat up considerably during operation. To operate your fireplace insert, we recommend that you use the protective glove supplied with it. Please alert children to this danger, and keep them away from the fireplace insert when it is operating.
- The placing of non-heat-resistant objects in the proximity of the fireplace insert is prohibited. This also applies to airers -> fire hazard!
- While the fireplace insert is in operation, it is forbidden to process highly flammable or explosive substances in the same room or in adjoining rooms.
- To avoid a build-up of heat in the chimney, the warm air grilles must not be closed during heating operation.
- Fireplace inserts are fitted with a self-closing firebox door. This means that operating with the firebox door open is not permissible. To stoke up the wood the hinged door must be kept open against the tension force of the springs or the sliding door against gravity. The door must not be jammed open with clamping devices.
- Only spare parts which are specifically approved or offered by the manufacturer may be used. Please contact your specialist dealer if necessary. Failure to comply with this may cause loss of warranty!
- Waste materials (of any kind) or residues **MUST NOT** be burned in the fireplace insert.
- Sharp edges may be created during or after the installation of accessory parts. Please use suitable grinding or cutting tools to remove these sharp edges.

- When doing anything on or with the fireplace insert, always wear protective gloves. Example: assembling, disassembling, repairing, etc.

Please also read further information in the section Fuel.

3.2.2 Safety distance

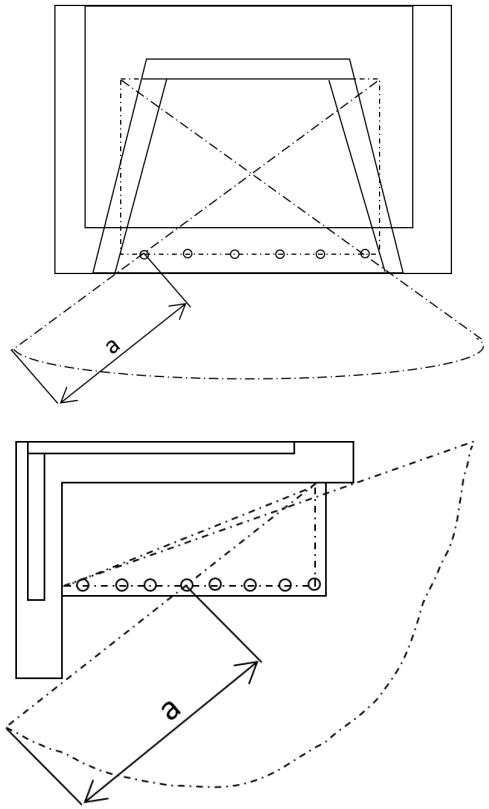


Fig. 1: Dimension "a" as per technical data (front minimum clearance)

No flammable objects may be placed within the radiation area of the fireplace insert up to a certain distance (see **"Technical Data"** section) measured from the front edge of the firebox opening.

3.2.3 Special types of danger and personal protective equipment

For certain activities such as installation/dismantling, particular care must be taken that the following safety equipment is worn:

	Safety gloves
	Safety shoes

4 Product overview

4.1 Intended use

The Austroflamm fireplace inserts described in these instructions have been manufactured and tested in accordance with the technical data standard. See Technical Data section.

NOTICE

Operation is only permissible with the door closed.

4.2 Identification of the product

In the following illustrations we give an overview of the most important dimensions and the nameplate positioning.

4.2.1 Design overview

45x51/57x68 K - flat
45X51 Kr - round

55x51/57 K - flat

65x45/51/57 K - flat

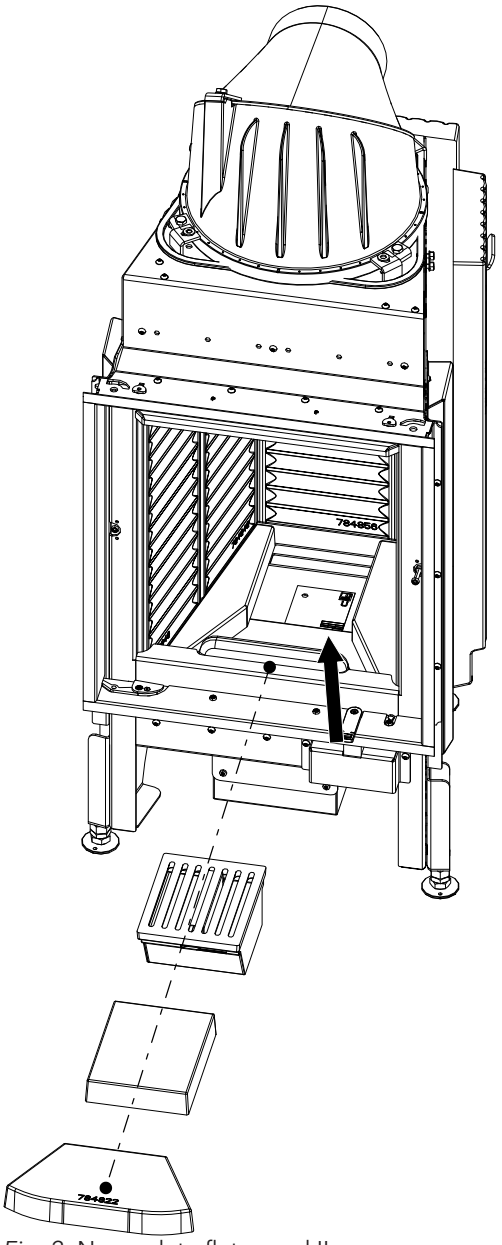
75x39/57 K - flat

45x51 KII

75x39 KII

4.2.2 Positioning of the nameplates

Here we show where you can find the nameplate. You received a copy of the nameplate with the fireplace insert. You can find a copy of the nameplate of your fireplace insert on the back of the manual you get with your fireplace insert.



- **Flat, round and II appliances**

The nameplate is located below the inlay stone/cast grate/ash box in the firebox.

Fig. 2: Nameplate flat round II

5 Technical data

5.1 45x51-K-2.0

Technical data according to Regulation (EU) 2015/1185 and delegated regulation (EU) 2015/1186

Contact details for the manufacturer or their authorised representative

Manufacturer:	Austroflamm GmbH
Contact:	-
Address:	Austroflamm-Platz 1
	4631 Krenglbach
	Austria

Appliance details

Model identification(s):	45x51-K-2.0
Equivalent models:	-
Test reports:	1015 / 1015-CPR-30-16564/1/TZ
Applied harmonized standards:	EN 16510-2-2:2022
Other standards/technical specifications. Specifications:	-
Indirect heating function:	No
Direct heat output:	7 kW
Indirect heat output:	-

Properties for operation with the preferred fuel

Space heating annual use efficiency η_s:	70 %
Energy efficiency index (EEI):	106

Particular precautions for assembly, installation or maintenance

Described in the individual sections of the operating manual.

Fuel	**Preferred fuel (only one):**	**Other suitable fuel(s):**	**ηs [x%]:**	**Space heating emissions at nominal heat output (*)**				**Space heating emissions at minimum heat output(*)**			
				PM	**OGC**	**CO**	**NOx**	**PM**	**OGC**	**CO**	**NOx**
				[x] mg/Nm³ (13% O2)				**[x] mg/Nm³ (13% O2)**			
Firewood, moisture content ≤ 25 %	yes	no	70	≤ 30	≤ 70	≤ 1250	≤ 160	-	-	-	-
Compregnated laminated wood, Moisture content < 12 %	no	no	-	-	-	-	-	-	-	-	-
Other woody biomass	no	no	-	-	-	-	-	-	-	-	-
Non-woody biomass	no	no	-	-	-	-	-	-	-	-	-
Anthracite and dry steam coal	no	no	-	-	-	-	-	-	-	-	-
Coking coal	no	no	-	-	-	-	-	-	-	-	-
Semi-coke	no	no	-	-	-	-	-	-	-	-	-
Bituminous coal	no	no	-	-	-	-	-	-	-	-	-
Lignite briquettes	no	no	-	-	-	-	-	-	-	-	-
Peat briquettes	no	no	-	-	-	-	-	-	-	-	-
Briquettes made from a mixture of fossil fuels	no	no	-	-	-	-	-	-	-	-	-
Other fossil fuels	no	no	-	-	-	-	-	-	-	-	-
Briquettes made from a mixture of biomass and fossil fuels	no	no	-	-	-	-	-	-	-	-	-
Other mixture of biomass and solid fuels	no	no	-	-	-	-	-	-	-	-	-
(*) PM = dust, OGC = organic gaseous connections, CO = carbon monoxide, NOx = nitrogen oxide											

Properties for exclusive operation with the preferred fuels

Specification	Symbol	Value	Unit		Specification	Symbol	Value	Unit
Heat output					**Thermal efficiency (fuel efficiency) (based on the NCV)**			
Nominal heat output	Pnom	7	kW		thermal efficiency (fuel efficiency) at nominal heat output	ηth,nom	80	%
Minimum heat output (standard value)	Pmin	-	kW		thermal efficiency (fuel efficiency) at minimum heat output (standard value)	ηth,min	-	%
Auxiliary power consumption					**Type of heat output/room temperature control**			
At nominal heat output	elmax	-	kW		single-stage heat output, no room temperature control			yes
At minimum heat output	elmin	-	kW		two or more manually adjustable stages, no room temperature control			no
In standby condition	elSB	-	kW		Room temperature control with mechanical thermostat			no
Pilot flame power requirement					with electronic room temperature control			no
Pilot flame power requirement (if present)	Ppilot	-	kW		with electronic room temperature control and daytime regulation			no
					with electronic room temperature control and weekday regulation			no
					Other regulation options (multiple selections possible)			
					Room temperature control with presence detection			no
					Room temperature control with open window detection			no
					with remote control option			no

Dimensions and weight	
Height from [mm]	1241
Height to [mm]	1441
Width (body installation dimension) [mm]	456
Depth [mm]	477
Door frame height [mm]	510
Door frame width [mm]	456
Weight, basic appliance [kg]	96
Weight, HMS [kg]	49
Combustion chamber height [mm]	450
Combustion chamber width [mm]	188 / 336
Combustion chamber depth [mm]	323
Flue pipe outlet, diameter [mm]	160
Minimum distance to combustible materials - distance to rear dR [mm]	0
Minimum distance to combustible materials – left side dS_1 [mm]	0
Minimum distance to combustible materials – right side dS_2 [mm]	0
Minimum distance to adjacent combustible materials (e.g. furniture) dP [mm]	1500
Minimum distance to combustible materials – floor in front dF [mm]	750
Minimum distance to combustible materials – bottom dB [mm]	0
Minimum distance to combustible materials – left side radiation area dL_1 [mm]	400
Minimum distance to combustible materials – right side radiation area dL_2 [mm]	400
Minimum distance to combustible materials – distance to ceiling dC [mm]	750
Safety distance to insulation, rear [mm]	60
Safety distance to insulation, right [mm]	60
Safety distance to insulation, floor [mm]	0
Insulation material thickness to installation base [mm]	0
Insulation material thickness to ceiling [mm]	-
Minimum distance from non-flammable materials [mm]	50
Insulation material, left [mm]	100
Insulation material thickness, right [mm]	100
Insulation material, rear [mm]	100
Cross-section, convection outlet [cm²]	700
Cross-section, convection inlet [cm²]	700
Max. amount of firewood fuel to be deposited [kg]	1.7

Output	
Nominal heat efficiency [kW]	7.0
Minimum heat output [kW]	-
Maximum heat output [kW]	7.0
Energy efficiency class	A
Circulating air cross-section with metal heat recovery surface [cm²]	1000
Circulating air cross-section without metal heat recovery surface [cm²]	700
Combustion air requirement [m³/h]	26.88
Minimum fuel throughput [kg/h]	-
Maximum fuel throughput [kg/h]	2.1
Outside air connection diameter [Ø mm]	125

Exhaust gas values for the multiple occupancy of the chimney (according to DIN 18160-1) or rating of the chimney (according to DIN EN 13384-2).

Data for the chimney sweep	
Flue gas mass flow at nominal heat output [g/s]	6.1
Flue gas temperature [°C]	314
Minimum delivery pressure at nominal heat output [Pa]	10

5.2 45x51-KII

Technical data according to Regulation (EU) 2015/1185 and delegated regulation (EU) 2015/1186

Contact details for the manufacturer or their authorised representative

Manufacturer:	Austroflamm GmbH
Contact:	-
Address:	Austroflamm-Platz 1
	4631 Krenglbach
	Austria

Appliance details

Model identification(s):	45x51-KII
Equivalent models:	-
Test reports:	1625 / RRF - 29 12 3075
Applied harmonized standards:	EN 13229:2001/A:2004/AC:2007
Other standards/technical specifications. Specifications:	-
Indirect heating function:	No
Direct heat output:	6 kW
Indirect heat output:	-

Properties for operation with the preferred fuel

Space heating annual use efficiency η_s:	70 %
Energy efficiency index (EEI):	106

Particular precautions for assembly, installation or maintenance

Described in the individual sections of the operating manual.

Fuel	**Preferred fuel (only one):**	**Other suitable fuel(s):**	**ηs [x%]:**	**Space heating emissions at nominal heat output (*)**				**Space heating emissions at minimum heat output(*)**			
				PM	**OGC**	**CO**	**NOx**	**PM**	**OGC**	**CO**	**NOx**
				[x] mg/Nm³ (13% O2)				**[x] mg/Nm³ (13% O2)**			
Firewood, moisture content ≤ 25 %	yes	no	70	≤ 30	≥ 85	≤ 1250	≤ 160	-	-	-	-
Compregnated laminated wood, Moisture content < 12 %	no	no	-	-	-	-	-	-	-	-	-
Other woody biomass	no	no	-	-	-	-	-	-	-	-	-
Non-woody biomass	no	no	-	-	-	-	-	-	-	-	-
Anthracite and dry steam coal	no	no	-	-	-	-	-	-	-	-	-
Coking coal	no	no	-	-	-	-	-	-	-	-	-
Semi-coke	no	no	-	-	-	-	-	-	-	-	-
Bituminous coal	no	no	-	-	-	-	-	-	-	-	-
Lignite briquettes	no	no	-	-	-	-	-	-	-	-	-
Peat briquettes	no	no	-	-	-	-	-	-	-	-	-
Briquettes made from a mixture of fossil fuels	no	no	-	-	-	-	-	-	-	-	-
Other fossil fuels	no	no	-	-	-	-	-	-	-	-	-
Briquettes made from a mixture of biomass and fossil fuels	no	no	-	-	-	-	-	-	-	-	-
Other mixture of biomass and solid fuels	no	no	-	-	-	-	-	-	-	-	-
(*) PM = dust, OGC = organic gaseous connections, CO = carbon monoxide, NOx = nitrogen oxide											

Properties for exclusive operation with the preferred fuels

Specification	Symbol	Value	Unit		Specification	Symbol	Value	Unit
Heat output					**Thermal efficiency (fuel efficiency) (based on the NCV)**			
Nominal heat output	Pnom	6	kW		thermal efficiency (fuel efficiency) at nominal heat output	ηth,nom	80	%
Minimum heat output (standard value)	Pmin	-	kW		thermal efficiency (fuel efficiency) at minimum heat output (standard value)	ηth,min	-	%
Auxiliary power consumption					**Type of heat output/room temperature control**			
At nominal heat output	elmax	-	kW		single-stage heat output, no room temperature control			yes
At minimum heat output	elmin	-	kW		two or more manually adjustable stages, no room temperature control			no
In standby condition	elSB	-	kW		Room temperature control with mechanical thermostat			no
Pilot flame power requirement					with electronic room temperature control			no
Pilot flame power requirement (if present)	Ppilot	-	kW		with electronic room temperature control and daytime regulation			no
					with electronic room temperature control and weekday regulation			no
					Other regulation options (multiple selections possible)			
					Room temperature control with presence detection			no
					Room temperature control with open window detection			no
					with remote control option			no

Dimensions and weight	
Height from [mm]	1241
Height to [mm]	1441
Width (body installation dimension) [mm]	456
Depth [mm]	600
Door frame height [mm]	510
Door frame width [mm]	456
Weight, basic appliance [kg]	124
Weight, HMS [kg]	-
Combustion chamber height [mm]	450
Combustion chamber width [mm]	324
Combustion chamber depth [mm]	430
Flue pipe outlet, diameter [mm]	180
Minimum distance to combustible materials - distance to rear dR [mm]	1100
Minimum distance to combustible materials – left side dS_1 [mm]	0
Minimum distance to combustible materials – right side dS_2 [mm]	0
Minimum distance to adjacent combustible materials (e.g. furniture) dP [mm]	1100
Minimum distance to combustible materials – floor in front dF [mm]	-
Minimum distance to combustible materials – bottom dB [mm]	0
Minimum distance to combustible materials – left side radiation area dL_1 [mm]	-
Minimum distance to combustible materials – right side radiation area dL_2 [mm]	-
Minimum distance to combustible materials – distance to ceiling dC [mm]	750
Safety distance to insulation, rear [mm]	-
Safety distance to insulation, right [mm]	60
Safety distance to insulation, floor [mm]	0
Insulation material thickness to installation base [mm]	20
Insulation material thickness to ceiling [mm]	-
Minimum distance from non-flammable materials [mm]	50
Insulation material, left [mm]	130
Insulation material thickness, right [mm]	130
Insulation material, rear [mm]	-
Cross-section, convection outlet [cm²]	700
Cross-section, convection inlet [cm²]	700
Max. amount of firewood fuel to be deposited [kg]	1.36

Output	
Nominal heat efficiency [kW]	6.0
Minimum heat output [kW]	NPD
Maximum heat output [kW]	6.0
Energy efficiency class	A
Circulating air cross-section with metal heat recovery surface [cm²]	1300
Circulating air cross-section without metal heat recovery surface [cm²]	700
Combustion air requirement [m³/h]	23.04
Minimum fuel throughput [kg/h]	-
Maximum fuel throughput [kg/h]	1.6
Outside air connection diameter [Ø mm]	125

Exhaust gas values for the multiple occupancy of the chimney (according to DIN 18160-1) or rating of the chimney (according to DIN EN 13384-2).

Data for the chimney sweep	
Flue gas mass flow at nominal heat output [g/s]	5.52
Flue gas temperature [°C]	292
Minimum delivery pressure at nominal heat output [Pa]	12

5.3 45x51-Kr

Technical data according to Regulation (EU) 2015/1185 and delegated regulation (EU) 2015/1186

Contact details for the manufacturer or their authorised representative

Manufacturer:	Austroflamm GmbH
Contact:	-
Address:	Austroflamm-Platz 1
	4631 Krenglbach
	Austria

Appliance details

Model identification(s):	45x51 Kr
Equivalent models:	-
Test reports:	1015 / 1015-CPR-30-16564/1/TZ
Applied harmonized standards:	EN 16510-2-2:2022
Other standards/technical specifications. Specifications:	-
Indirect heating function:	No
Direct heat output:	7 kW
Indirect heat output:	-

Properties for operation with the preferred fuel

Space heating annual use efficiency η_s:	70 %
Energy efficiency index (EEI):	106

Particular precautions for assembly, installation or maintenance

Described in the individual sections of the operating manual.

Fuel	**Preferred fuel (only one):**	**Other suitable fuel(s):**	**ηs [x%]:**	**Space heating emissions at nominal heat output (*)**				**Space heating emissions at minimum heat output(*)**			
				PM	**OGC**	**CO**	**NOx**	**PM**	**OGC**	**CO**	**NOx**
				[x] mg/Nm³ (13% O2)				**[x] mg/Nm³ (13% O2)**			
Firewood, moisture content ≤ 25 %	yes	no	70	≤ 30	≤ 70	≤ 1250	≤ 160	-	-	-	-
Compregnated laminated wood, Moisture content < 12 %	no	no	-	-	-	-	-	-	-	-	-
Other woody biomass	no	no	-	-	-	-	-	-	-	-	-
Non-woody biomass	no	no	-	-	-	-	-	-	-	-	-
Anthracite and dry steam coal	no	no	-	-	-	-	-	-	-	-	-
Coking coal	no	no	-	-	-	-	-	-	-	-	-
Semi-coke	no	no	-	-	-	-	-	-	-	-	-
Bituminous coal	no	no	-	-	-	-	-	-	-	-	-
Lignite briquettes	no	no	-	-	-	-	-	-	-	-	-
Peat briquettes	no	no	-	-	-	-	-	-	-	-	-
Briquettes made from a mixture of fossil fuels	no	no	-	-	-	-	-	-	-	-	-
Other fossil fuels	no	no	-	-	-	-	-	-	-	-	-
Briquettes made from a mixture of biomass and fossil fuels	no	no	-	-	-	-	-	-	-	-	-
Other mixture of biomass and solid fuels	no	no	-	-	-	-	-	-	-	-	-
(*) PM = dust, OGC = organic gaseous connections, CO = carbon monoxide, NOx = nitrogen oxide											

Properties for exclusive operation with the preferred fuels

Specification	Symbol	Value	Unit		Specification	Symbol	Value	Unit
Heat output					**Thermal efficiency (fuel efficiency) (based on the NCV)**			
Nominal heat output	Pnom	7	kW		thermal efficiency (fuel efficiency) at nominal heat output	ηth,nom	80	%
Minimum heat output (standard value)	Pmin	-	kW		thermal efficiency (fuel efficiency) at minimum heat output (standard value)	ηth,min	-	%
Auxiliary power consumption					**Type of heat output/room temperature control**			
At nominal heat output	elmax	-	kW		single-stage heat output, no room temperature control			yes
At minimum heat output	elmin	-	kW		two or more manually adjustable stages, no room temperature control			no
In standby condition	elSB	-	kW		Room temperature control with mechanical thermostat			no
Pilot flame power requirement					with electronic room temperature control			no
Pilot flame power requirement (if present)	Ppilot	-	kW		with electronic room temperature control and daytime regulation			no
					with electronic room temperature control and weekday regulation			no
					Other regulation options (multiple selections possible)			
					Room temperature control with presence detection			no
					Room temperature control with open window detection			no
					with remote control option			no

Dimensions and weight	
Height from [mm]	1240
Height to [mm]	1360
Width (body installation dimension) [mm]	453
Depth [mm]	546
Door frame height [mm]	510
Door frame width [mm]	451
Weight, basic appliance [kg]	
Weight, HMS [kg]	49
Combustion chamber height [mm]	451
Combustion chamber width [mm]	188/327
Combustion chamber depth [mm]	380
Flue pipe outlet, diameter [mm]	160
Minimum distance to combustible materials - distance to rear dR [mm]	0
Minimum distance to combustible materials – left side dS_1 [mm]	0
Minimum distance to combustible materials – right side dS_2 [mm]	0
Minimum distance to adjacent combustible materials (e.g. furniture) dP [mm]	1500
Minimum distance to combustible materials – floor in front dF [mm]	760
Minimum distance to combustible materials – bottom dB [mm]	0
Minimum distance to combustible materials – left side radiation area dL_1 [mm]	320
Minimum distance to combustible materials – right side radiation area dL_2 [mm]	320
Minimum distance to combustible materials – distance to ceiling dC [mm]	750
Safety distance to insulation, rear [mm]	60
Safety distance to insulation, right [mm]	60
Safety distance to insulation, floor [mm]	0
Insulation material thickness to installation base [mm]	0
Insulation material thickness to ceiling [mm]	-
Minimum distance from non-flammable materials [mm]	50
Insulation material, left [mm]	100
Insulation material thickness, right [mm]	100
Insulation material, rear [mm]	100
Cross-section, convection outlet [cm²]	700
Cross-section, convection inlet [cm²]	700
Max. amount of firewood fuel to be deposited [kg]	1.7

Output	
Nominal heat efficiency [kW]	7.0
Minimum heat output [kW]	-
Maximum heat output [kW]	7.0
Energy efficiency class	A
Circulating air cross-section with metal heat recovery surface [cm²]	1000
Circulating air cross-section without metal heat recovery surface [cm²]	700
Combustion air requirement [m³/h]	26.88
Minimum fuel throughput [kg/h]	-
Maximum fuel throughput [kg/h]	2.1
Outside air connection diameter [Ø mm]	125

Exhaust gas values for the multiple occupancy of the chimney (according to DIN 18160-1) or rating of the chimney (according to DIN EN 13384-2).

Data for the chimney sweep	
Flue gas mass flow at nominal heat output [g/s]	6.1
Flue gas temperature [°C]	314
Minimum delivery pressure at nominal heat output [Pa]	10

5.4 45x57-K-2.0

Technical data according to Regulation (EU) 2015/1185 and delegated regulation (EU) 2015/1186

Contact details for the manufacturer or their authorised representative

Manufacturer:	Austroflamm GmbH
Contact:	-
Address:	Austroflamm-Platz 1
	4631 Krenglbach
	Austria

Appliance details

Model identification(s):	45x57-K-2.0
Equivalent models:	-
Test reports:	1015 / 1015-CPR-30-16564/1/TZ
Applied harmonized standards:	EN 16510-2-2:2022
Other standards/technical specifications. Specifications:	-
Indirect heating function:	No
Direct heat output:	7 kW
Indirect heat output:	-

Properties for operation with the preferred fuel

Space heating annual use efficiency η_s:	70 %
Energy efficiency index (EEI):	106

Particular precautions for assembly, installation or maintenance

Described in the individual sections of the operating manual.

Fuel	**Preferred fuel (only one):**	**Other suitable fuel(s):**	**ηs [x%]:**	**Space heating emissions at nominal heat output (*)**				**Space heating emissions at minimum heat output(*)**			
				PM	**OGC**	**CO**	**NOx**	**PM**	**OGC**	**CO**	**NOx**
				[x] mg/Nm³ (13% O2)				**[x] mg/Nm³ (13% O2)**			
Firewood, moisture content ≤ 25 %	yes	no	70	≤ 30	≤ 70	≤ 1250	≤ 160	-	-	-	-
Compregnated laminated wood, Moisture content < 12 %	no	no	-	-	-	-	-	-	-	-	-
Other woody biomass	no	no	-	-	-	-	-	-	-	-	-
Non-woody biomass	no	no	-	-	-	-	-	-	-	-	-
Anthracite and dry steam coal	no	no	-	-	-	-	-	-	-	-	-
Coking coal	no	no	-	-	-	-	-	-	-	-	-
Semi-coke	no	no	-	-	-	-	-	-	-	-	-
Bituminous coal	no	no	-	-	-	-	-	-	-	-	-
Lignite briquettes	no	no	-	-	-	-	-	-	-	-	-
Peat briquettes	no	no	-	-	-	-	-	-	-	-	-
Briquettes made from a mixture of fossil fuels	no	no	-	-	-	-	-	-	-	-	-
Other fossil fuels	no	no	-	-	-	-	-	-	-	-	-
Briquettes made from a mixture of biomass and fossil fuels	no	no	-	-	-	-	-	-	-	-	-
Other mixture of biomass and solid fuels	no	no	-	-	-	-	-	-	-	-	-
(*) PM = dust, OGC = organic gaseous connections, CO = carbon monoxide, NOx = nitrogen oxide											

Properties for exclusive operation with the preferred fuels

Specification	Symbol	Value	Unit		Specification	Symbol	Value	Unit
Heat output					**Thermal efficiency (fuel efficiency) (based on the NCV)**			
Nominal heat output	Pnom	7	kW		thermal efficiency (fuel efficiency) at nominal heat output	ηth,nom	80	%
Minimum heat output (standard value)	Pmin	-	kW		thermal efficiency (fuel efficiency) at minimum heat output (standard value)	ηth,min	-	%
Auxiliary power consumption					**Type of heat output/room temperature control**			
At nominal heat output	elmax	-	kW		single-stage heat output, no room temperature control			yes
At minimum heat output	elmin	-	kW		two or more manually adjustable stages, no room temperature control			no
In standby condition	elSB	-	kW		Room temperature control with mechanical thermostat			no
Pilot flame power requirement					with electronic room temperature control			no
Pilot flame power requirement (if present)	Ppilot	-	kW		with electronic room temperature control and daytime regulation			no
					with electronic room temperature control and weekday regulation			no
					Other regulation options (multiple selections possible)			
					Room temperature control with presence detection			no
					Room temperature control with open window detection			no
					with remote control option			no

Dimensions and weight	
Height from [mm]	1301
Height to [mm]	1501
Width (body installation dimension) [mm]	456
Depth [mm]	477
Door frame height [mm]	570
Door frame width [mm]	456
Weight, basic appliance [kg]	101
Weight, HMS [kg]	49
Combustion chamber height [mm]	510
Combustion chamber width [mm]	188 / 336
Combustion chamber depth [mm]	323
Flue pipe outlet, diameter [mm]	160
Minimum distance to combustible materials - distance to rear dR [mm]	0
Minimum distance to combustible materials – left side dS_1 [mm]	0
Minimum distance to combustible materials – right side dS_2 [mm]	0
Minimum distance to adjacent combustible materials (e.g. furniture) dP [mm]	1500
Minimum distance to combustible materials – floor in front dF [mm]	660
Minimum distance to combustible materials – bottom dB [mm]	0
Minimum distance to combustible materials – left side radiation area dL_1 [mm]	400
Minimum distance to combustible materials – right side radiation area dL_2 [mm]	400
Minimum distance to combustible materials – distance to ceiling dC [mm]	750
Safety distance to insulation, rear [mm]	60
Safety distance to insulation, right [mm]	60
Safety distance to insulation, floor [mm]	0
Insulation material thickness to installation base [mm]	0
Insulation material thickness to ceiling [mm]	-
Minimum distance from non-flammable materials [mm]	50
Insulation material, left [mm]	100
Insulation material thickness, right [mm]	100
Insulation material, rear [mm]	100
Cross-section, convection outlet [cm²]	700
Cross-section, convection inlet [cm²]	700
Max. amount of firewood fuel to be deposited [kg]	1.7

Output	
Nominal heat efficiency [kW]	7.0
Minimum heat output [kW]	-
Maximum heat output [kW]	7.0
Energy efficiency class	A
Circulating air cross-section with metal heat recovery surface [cm²]	1000
Circulating air cross-section without metal heat recovery surface [cm²]	700
Combustion air requirement [m³/h]	26.88
Minimum fuel throughput [kg/h]	-
Maximum fuel throughput [kg/h]	2.1
Outside air connection diameter [Ø mm]	125

Exhaust gas values for the multiple occupancy of the chimney (according to DIN 18160-1) or rating of the chimney (according to DIN EN 13384-2).

Data for the chimney sweep	
Flue gas mass flow at nominal heat output [g/s]	6.1
Flue gas temperature [°C]	314
Minimum delivery pressure at nominal heat output [Pa]	10

5.5 45x68-K-2.0

Technical data according to Regulation (EU) 2015/1185 and delegated regulation (EU) 2015/1186

Contact details for the manufacturer or their authorised representative

Manufacturer:	Austroflamm GmbH
Contact:	-
Address:	Austroflamm-Platz 1
	4631 Krenglbach
	Austria

Appliance details

Model identification(s):	45x68-K-2.0
Equivalent models:	-
Test reports:	1015 / 1015-CPR-30-16564/1/TZ
Applied harmonized standards:	EN 16510-2-2:2022
Other standards/technical specifications. Specifications:	-
Indirect heating function:	No
Direct heat output:	7 kW
Indirect heat output:	-

Properties for operation with the preferred fuel

Space heating annual use efficiency η_s:	70 %
Energy efficiency index (EEI):	106

Particular precautions for assembly, installation or maintenance

Described in the individual sections of the operating manual.

Fuel	**Preferred fuel (only one):**	**Other suitable fuel(s):**	**ηs [x%]:**	**Space heating emissions at nominal heat output (*)**				**Space heating emissions at minimum heat output(*)**			
				PM	**OGC**	**CO**	**NOx**	**PM**	**OGC**	**CO**	**NOx**
				[x] mg/Nm³ (13% O2)				**[x] mg/Nm³ (13% O2)**			
Firewood, moisture content ≤ 25 %	yes	no	70	≤ 30	≤ 70	≤ 1250	≤ 160	-	-	-	-
Compregnated laminated wood, Moisture content < 12 %	no	no	-	-	-	-	-	-	-	-	-
Other woody biomass	no	no	-	-	-	-	-	-	-	-	-
Non-woody biomass	no	no	-	-	-	-	-	-	-	-	-
Anthracite and dry steam coal	no	no	-	-	-	-	-	-	-	-	-
Coking coal	no	no	-	-	-	-	-	-	-	-	-
Semi-coke	no	no	-	-	-	-	-	-	-	-	-
Bituminous coal	no	no	-	-	-	-	-	-	-	-	-
Lignite briquettes	no	no	-	-	-	-	-	-	-	-	-
Peat briquettes	no	no	-	-	-	-	-	-	-	-	-
Briquettes made from a mixture of fossil fuels	no	no	-	-	-	-	-	-	-	-	-
Other fossil fuels	no	no	-	-	-	-	-	-	-	-	-
Briquettes made from a mixture of biomass and fossil fuels	no	no	-	-	-	-	-	-	-	-	-
Other mixture of biomass and solid fuels	no	no	-	-	-	-	-	-	-	-	-
(*) PM = dust, OGC = organic gaseous connections, CO = carbon monoxide, NOx = nitrogen oxide											

Properties for exclusive operation with the preferred fuels

Specification	Symbol	Value	Unit		Specification	Symbol	Value	Unit
Heat output					**Thermal efficiency (fuel efficiency) (based on the NCV)**			
Nominal heat output	Pnom	7	kW		thermal efficiency (fuel efficiency) at nominal heat output	ηth,nom	80	%
Minimum heat output (standard value)	Pmin	-	kW		thermal efficiency (fuel efficiency) at minimum heat output (standard value)	ηth,min	-	%
Auxiliary power consumption					**Type of heat output/room temperature control**			
At nominal heat output	elmax	-	kW		single-stage heat output, no room temperature control			yes
At minimum heat output	elmin	-	kW		two or more manually adjustable stages, no room temperature control			no
In standby condition	elSB	-	kW		Room temperature control with mechanical thermostat			no
Pilot flame power requirement					with electronic room temperature control			no
Pilot flame power requirement (if present)	Ppilot	-	kW		with electronic room temperature control and daytime regulation			no
					with electronic room temperature control and weekday regulation			no
					Other regulation options (multiple selections possible)			
					Room temperature control with presence detection			no
					Room temperature control with open window detection			no
					with remote control option			no

Dimensions and weight	
Height from [mm]	1410
Height to [mm]	1610
Width (body installation dimension) [mm]	456
Depth [mm]	477
Door frame height [mm]	680
Door frame width [mm]	456
Weight, basic appliance [kg]	111
Weight, HMS [kg]	49
Combustion chamber height [mm]	620
Combustion chamber width [mm]	188/336
Combustion chamber depth [mm]	323
Flue pipe outlet, diameter [mm]	160
Minimum distance to combustible materials - distance to rear dR [mm]	0
Minimum distance to combustible materials – left side dS_1 [mm]	0
Minimum distance to combustible materials – right side dS_2 [mm]	0
Minimum distance to adjacent combustible materials (e.g. furniture) dP [mm]	1500
Minimum distance to combustible materials – floor in front dF [mm]	560
Minimum distance to combustible materials – bottom dB [mm]	0
Minimum distance to combustible materials – left side radiation area dL_1 [mm]	400
Minimum distance to combustible materials – right side radiation area dL_2 [mm]	400
Minimum distance to combustible materials – distance to ceiling dC [mm]	750
Safety distance to insulation, rear [mm]	60
Safety distance to insulation, right [mm]	60
Safety distance to insulation, floor [mm]	0
Insulation material thickness to installation base [mm]	0
Insulation material thickness to ceiling [mm]	-
Minimum distance from non-flammable materials [mm]	50
Insulation material, left [mm]	100
Insulation material thickness, right [mm]	100
Insulation material, rear [mm]	100
Cross-section, convection outlet [cm²]	700
Cross-section, convection inlet [cm²]	700
Max. amount of firewood fuel to be deposited [kg]	1.7

Output	
Nominal heat efficiency [kW]	7.0
Minimum heat output [kW]	-
Maximum heat output [kW]	7.0
Energy efficiency class	A
Circulating air cross-section with metal heat recovery surface [cm²]	1000
Circulating air cross-section without metal heat recovery surface [cm²]	700
Combustion air requirement [m³/h]	26.88
Minimum fuel throughput [kg/h]	-
Maximum fuel throughput [kg/h]	2.1
Outside air connection diameter [Ø mm]	125

Exhaust gas values for the multiple occupancy of the chimney (according to DIN 18160-1) or rating of the chimney (according to DIN EN 13384-2).

Data for the chimney sweep	
Flue gas mass flow at nominal heat output [g/s]	6.1
Flue gas temperature [°C]	314
Minimum delivery pressure at nominal heat output [Pa]	10

5.6 55x51-K-2.0

Technical data according to Regulation (EU) 2015/1185 and delegated regulation (EU) 2015/1186

Contact details for the manufacturer or their authorised representative

Manufacturer:	Austroflamm GmbH
Contact:	-
Address:	Austroflamm-Platz 1
	4631 Krenglbach
	Austria

Appliance details

Model identification(s):	55x51-K-2.0
Equivalent models:	-
Test reports:	1015 / 1015-CPR-30-16564/1/TZ
Applied harmonized standards:	EN 16510-2-2:2022
Other standards/technical specifications. Specifications:	-
Indirect heating function:	No
Direct heat output:	8 kW
Indirect heat output:	-

Properties for operation with the preferred fuel

Space heating annual use efficiency η_s:	68 %
Energy efficiency index (EEI):	103

Particular precautions for assembly, installation or maintenance

Described in the individual sections of the operating manual.

Fuel	**Preferred fuel (only one):**	**Other suitable fuel(s):**	**ηs [x%]:**	**Space heating emissions at nominal heat output (*)**				**Space heating emissions at minimum heat output(*)**			
				PM	**OGC**	**CO**	**NOx**	**PM**	**OGC**	**CO**	**NOx**
				[x] mg/Nm³ (13% O2)				**[x] mg/Nm³ (13% O2)**			
Firewood, moisture content ≤ 25 %	yes	no	68	≤ 30	≤ 70	≤ 1250	≤ 160	-	-	-	-
Compregnated laminated wood, Moisture content < 12 %	no	no	-	-	-	-	-	-	-	-	-
Other woody biomass	no	no	-	-	-	-	-	-	-	-	-
Non-woody biomass	no	no	-	-	-	-	-	-	-	-	-
Anthracite and dry steam coal	no	no	-	-	-	-	-	-	-	-	-
Coking coal	no	no	-	-	-	-	-	-	-	-	-
Semi-coke	no	no	-	-	-	-	-	-	-	-	-
Bituminous coal	no	no	-	-	-	-	-	-	-	-	-
Lignite briquettes	no	no	-	-	-	-	-	-	-	-	-
Peat briquettes	no	no	-	-	-	-	-	-	-	-	-
Briquettes made from a mixture of fossil fuels	no	no	-	-	-	-	-	-	-	-	-
Other fossil fuels	no	no	-	-	-	-	-	-	-	-	-
Briquettes made from a mixture of biomass and fossil fuels	no	no	-	-	-	-	-	-	-	-	-
Other mixture of biomass and solid fuels	no	no	-	-	-	-	-	-	-	-	-
(*) PM = dust, OGC = organic gaseous connections, CO = carbon monoxide, NOx = nitrogen oxide											

Properties for exclusive operation with the preferred fuels

Specification	Symbol	Value	Unit		Specification	Symbol	Value	Unit
Heat output					**Thermal efficiency (fuel efficiency) (based on the NCV)**			
Nominal heat output	Pnom	8	kW		thermal efficiency (fuel efficiency) at nominal heat output	ηth,nom	78	%
Minimum heat output (standard value)	Pmin	-	kW		thermal efficiency (fuel efficiency) at minimum heat output (standard value)	ηth,min	-	%
Auxiliary power consumption					**Type of heat output/room temperature control**			
At nominal heat output	elmax	-	kW		single-stage heat output, no room temperature control			yes
At minimum heat output	elmin	-	kW		two or more manually adjustable stages, no room temperature control			no
In standby condition	elSB	-	kW		Room temperature control with mechanical thermostat			no
Pilot flame power requirement					with electronic room temperature control			no
Pilot flame power requirement (if present)	Ppilot	-	kW		with electronic room temperature control and daytime regulation			no
					with electronic room temperature control and weekday regulation			no
					Other regulation options (multiple selections possible)			
					Room temperature control with presence detection			no
					Room temperature control with open window detection			no
					with remote control option			no

Dimensions and weight	
Height from [mm]	1241
Height to [mm]	1441
Width (body installation dimension) [mm]	556
Depth [mm]	477
Door frame height [mm]	510
Door frame width [mm]	556
Weight, basic appliance [kg]	108
Weight, HMS [kg]	55
Combustion chamber height [mm]	450
Combustion chamber width [mm]	288/436
Combustion chamber depth [mm]	323
Flue pipe outlet, diameter [mm]	160
Minimum distance to combustible materials - distance to rear dR [mm]	0
Minimum distance to combustible materials – left side dS_1 [mm]	0
Minimum distance to combustible materials – right side dS_2 [mm]	0
Minimum distance to adjacent combustible materials (e.g. furniture) dP [mm]	1500
Minimum distance to combustible materials – floor in front dF [mm]	690
Minimum distance to combustible materials – bottom dB [mm]	0
Minimum distance to combustible materials – left side radiation area dL_1 [mm]	335
Minimum distance to combustible materials – right side radiation area dL_2 [mm]	335
Minimum distance to combustible materials – distance to ceiling dC [mm]	750
Safety distance to insulation, rear [mm]	60
Safety distance to insulation, right [mm]	60
Safety distance to insulation, floor [mm]	0
Insulation material thickness to installation base [mm]	0
Insulation material thickness to ceiling [mm]	-
Minimum distance from non-flammable materials [mm]	50
Insulation material, left [mm]	100
Insulation material thickness, right [mm]	100
Insulation material, rear [mm]	100
Cross-section, convection outlet [cm²]	700
Cross-section, convection inlet [cm²]	700
Max. amount of firewood fuel to be deposited [kg]	1.9

Output	
Nominal heat efficiency [kW]	8.0
Minimum heat output [kW]	-
Maximum heat output [kW]	8.0
Energy efficiency class	A
Circulating air cross-section with metal heat recovery surface [cm²]	1100
Circulating air cross-section without metal heat recovery surface [cm²]	700
Combustion air requirement [m³/h]	30.72
Minimum fuel throughput [kg/h]	-
Maximum fuel throughput [kg/h]	2.4
Outside air connection diameter [Ø mm]	125

Exhaust gas values for the multiple occupancy of the chimney (according to DIN 18160-1) or rating of the chimney (according to DIN EN 13384-2).

Data for the chimney sweep	
Flue gas mass flow at nominal heat output [g/s]	10.5
Flue gas temperature [°C]	314
Minimum delivery pressure at nominal heat output [Pa]	11

5.7 55x57-K-2.0

Technical data according to Regulation (EU) 2015/1185 and delegated regulation (EU) 2015/1186

Contact details for the manufacturer or their authorised representative

Manufacturer:	Austroflamm GmbH
Contact:	-
Address:	Austroflamm-Platz 1
	4631 Krenglbach
	Austria

Appliance details

Model identification(s):	55x57-K-2.0
Equivalent models:	-
Test reports:	1015 / 1015-CPR-30-16564/1/TZ
Applied harmonized standards:	EN 16510-2-2:2022
Other standards/technical specifications. Specifications:	-
Indirect heating function:	No
Direct heat output:	8 kW
Indirect heat output:	-

Properties for operation with the preferred fuel

Space heating annual use efficiency η_s:	68 %
Energy efficiency index (EEI):	103

Particular precautions for assembly, installation or maintenance

Described in the individual sections of the operating manual.

Fuel	**Preferred fuel (only one):**	**Other suitable fuel(s):**	**ηs [x%]:**	**Space heating emissions at nominal heat output (*)**				**Space heating emissions at minimum heat output(*)**			
				PM	**OGC**	**CO**	**NOx**	**PM**	**OGC**	**CO**	**NOx**
				[x] mg/Nm³ (13% O2)				**[x] mg/Nm³ (13% O2)**			
Firewood, moisture content ≤ 25 %	yes	no	68	≤ 30	≤ 70	≤ 1250	≤ 160	-	-	-	-
Compregnated laminated wood, Moisture content < 12 %	no	no	-	-	-	-	-	-	-	-	-
Other woody biomass	no	no	-	-	-	-	-	-	-	-	-
Non-woody biomass	no	no	-	-	-	-	-	-	-	-	-
Anthracite and dry steam coal	no	no	-	-	-	-	-	-	-	-	-
Coking coal	no	no	-	-	-	-	-	-	-	-	-
Semi-coke	no	no	-	-	-	-	-	-	-	-	-
Bituminous coal	no	no	-	-	-	-	-	-	-	-	-
Lignite briquettes	no	no	-	-	-	-	-	-	-	-	-
Peat briquettes	no	no	-	-	-	-	-	-	-	-	-
Briquettes made from a mixture of fossil fuels	no	no	-	-	-	-	-	-	-	-	-
Other fossil fuels	no	no	-	-	-	-	-	-	-	-	-
Briquettes made from a mixture of biomass and fossil fuels	no	no	-	-	-	-	-	-	-	-	-
Other mixture of biomass and solid fuels	no	no	-	-	-	-	-	-	-	-	-
(*) PM = dust, OGC = organic gaseous connections, CO = carbon monoxide, NOx = nitrogen oxide											

Properties for exclusive operation with the preferred fuels

Specification	Symbol	Value	Unit		Specification	Symbol	Value	Unit
Heat output					**Thermal efficiency (fuel efficiency) (based on the NCV)**			
Nominal heat output	Pnom	8	kW		thermal efficiency (fuel efficiency) at nominal heat output	ηth,nom	78	%
Minimum heat output (standard value)	Pmin	-	kW		thermal efficiency (fuel efficiency) at minimum heat output (standard value)	ηth,min	-	%
Auxiliary power consumption					**Type of heat output/room temperature control**			
At nominal heat output	elmax	-	kW		single-stage heat output, no room temperature control			yes
At minimum heat output	elmin	-	kW		two or more manually adjustable stages, no room temperature control			no
In standby condition	elSB	-	kW		Room temperature control with mechanical thermostat			no
Pilot flame power requirement					with electronic room temperature control			no
Pilot flame power requirement (if present)	Ppilot	-	kW		with electronic room temperature control and daytime regulation			no
					with electronic room temperature control and weekday regulation			no
					Other regulation options (multiple selections possible)			
					Room temperature control with presence detection			no
					Room temperature control with open window detection			no
					with remote control option			no

Dimensions and weight	
Height from [mm]	1301
Height to [mm]	1501
Width (body installation dimension) [mm]	556
Depth [mm]	477
Door frame height [mm]	570
Door frame width [mm]	556
Weight, basic appliance [kg]	114
Weight, HMS [kg]	55
Combustion chamber height [mm]	510
Combustion chamber width [mm]	288/436
Combustion chamber depth [mm]	323
Flue pipe outlet, diameter [mm]	160
Minimum distance to combustible materials - distance to rear dR [mm]	0
Minimum distance to combustible materials – left side dS_1 [mm]	0
Minimum distance to combustible materials – right side dS_2 [mm]	0
Minimum distance to adjacent combustible materials (e.g. furniture) dP [mm]	1500
Minimum distance to combustible materials – floor in front dF [mm]	660
Minimum distance to combustible materials – bottom dB [mm]	0
Minimum distance to combustible materials – left side radiation area dL_1 [mm]	360
Minimum distance to combustible materials – right side radiation area dL_2 [mm]	360
Minimum distance to combustible materials – distance to ceiling dC [mm]	750
Safety distance to insulation, rear [mm]	60
Safety distance to insulation, right [mm]	60
Safety distance to insulation, floor [mm]	0
Insulation material thickness to installation base [mm]	0
Insulation material thickness to ceiling [mm]	-
Minimum distance from non-flammable materials [mm]	50
Insulation material, left [mm]	100
Insulation material thickness, right [mm]	100
Insulation material, rear [mm]	100
Cross-section, convection outlet [cm²]	700
Cross-section, convection inlet [cm²]	700
Max. amount of firewood fuel to be deposited [kg]	1.9

Output	
Nominal heat efficiency [kW]	8.0
Minimum heat output [kW]	-
Maximum heat output [kW]	8.0
Energy efficiency class	A
Circulating air cross-section with metal heat recovery surface [cm²]	1100
Circulating air cross-section without metal heat recovery surface [cm²]	700
Combustion air requirement [m³/h]	30.72
Minimum fuel throughput [kg/h]	-
Maximum fuel throughput [kg/h]	2.4
Outside air connection diameter [Ø mm]	125

Exhaust gas values for the multiple occupancy of the chimney (according to DIN 18160-1) or rating of the chimney (according to DIN EN 13384-2).

Data for the chimney sweep	
Flue gas mass flow at nominal heat output [g/s]	10.5
Flue gas temperature [°C]	314
Minimum delivery pressure at nominal heat output [Pa]	11

5.8 65x45-K2.0

Technical data according to Regulation (EU) 2015/1185 and delegated regulation (EU) 2015/1186

Contact details for the manufacturer or their authorised representative

Manufacturer:	Austroflamm GmbH
Contact:	-
Address:	Austroflamm-Platz 1
	4631 Krenglbach
	Austria

Appliance details

Model identification(s):	65x45-K-2.0
Equivalent models:	-
Test reports:	1015 / 1015-CPR-30-16564/1/TZ
Applied harmonized standards:	EN 16510-2-2:2022
Other standards/technical specifications. Specifications:	-
Indirect heating function:	No
Direct heat output:	9 kW
Indirect heat output:	-

Properties for operation with the preferred fuel

Space heating annual use efficiency η_s:	68 %
Energy efficiency index (EEI):	103

Particular precautions for assembly, installation or maintenance

Described in the individual sections of the operating manual.

Fuel	**Preferred fuel (only one):**	**Other suitable fuel(s):**	**ηs [x%]:**	**Space heating emissions at nominal heat output (*)**				**Space heating emissions at minimum heat output(*)**			
				PM	**OGC**	**CO**	**NOx**	**PM**	**OGC**	**CO**	**NOx**
				[x] mg/Nm³ (13% O2)				**[x] mg/Nm³ (13% O2)**			
Firewood, moisture content ≤ 25 %	yes	no	68	≤ 30	≤ 70	≤ 1250	≤ 160	-	-	-	-
Compregnated laminated wood, Moisture content < 12 %	no	no	-	-	-	-	-	-	-	-	-
Other woody biomass	no	no	-	-	-	-	-	-	-	-	-
Non-woody biomass	no	no	-	-	-	-	-	-	-	-	-
Anthracite and dry steam coal	no	no	-	-	-	-	-	-	-	-	-
Coking coal	no	no	-	-	-	-	-	-	-	-	-
Semi-coke	no	no	-	-	-	-	-	-	-	-	-
Bituminous coal	no	no	-	-	-	-	-	-	-	-	-
Lignite briquettes	no	no	-	-	-	-	-	-	-	-	-
Peat briquettes	no	no	-	-	-	-	-	-	-	-	-
Briquettes made from a mixture of fossil fuels	no	no	-	-	-	-	-	-	-	-	-
Other fossil fuels	no	no	-	-	-	-	-	-	-	-	-
Briquettes made from a mixture of biomass and fossil fuels	no	no	-	-	-	-	-	-	-	-	-
Other mixture of biomass and solid fuels	no	no	-	-	-	-	-	-	-	-	-
(*) PM = dust, OGC = organic gaseous connections, CO = carbon monoxide, NOx = nitrogen oxide											

Properties for exclusive operation with the preferred fuels

Specification	Symbol	Value	Unit		Specification	Symbol	Value	Unit
Heat output					**Thermal efficiency (fuel efficiency) (based on the NCV)**			
Nominal heat output	Pnom	9	kW		thermal efficiency (fuel efficiency) at nominal heat output	ηth,nom	78	%
Minimum heat output (standard value)	Pmin	-	kW		thermal efficiency (fuel efficiency) at minimum heat output (standard value)	ηth,min	-	%
Auxiliary power consumption					**Type of heat output/room temperature control**			
At nominal heat output	elmax	-	kW		single-stage heat output, no room temperature control			yes
At minimum heat output	elmin	-	kW		two or more manually adjustable stages, no room temperature control			no
In standby condition	elSB	-	kW		Room temperature control with mechanical thermostat			no
Pilot flame power requirement					with electronic room temperature control			no
Pilot flame power requirement (if present)	Ppilot	-	kW		with electronic room temperature control and daytime regulation			no
					with electronic room temperature control and weekday regulation			no
					Other regulation options (multiple selections possible)			
					Room temperature control with presence detection			no
					Room temperature control with open window detection			no
					with remote control option			no

Dimensions and weight	
Height from [mm]	1179
Height to [mm]	1379
Width (body installation dimension) [mm]	650
Depth [mm]	477
Door frame height [mm]	448
Door frame width [mm]	650
Weight, basic appliance [kg]	114
Weight, HMS [kg]	61
Combustion chamber height [mm]	391
Combustion chamber width [mm]	388/536
Combustion chamber depth [mm]	323
Flue pipe outlet, diameter [mm]	180
Minimum distance to combustible materials - distance to rear dR [mm]	0
Minimum distance to combustible materials – left side dS_1 [mm]	0
Minimum distance to combustible materials – right side dS_2 [mm]	0
Minimum distance to adjacent combustible materials (e.g. furniture) dP [mm]	1500
Minimum distance to combustible materials – floor in front dF [mm]	870
Minimum distance to combustible materials – bottom dB [mm]	0
Minimum distance to combustible materials – left side radiation area dL_1 [mm]	320
Minimum distance to combustible materials – right side radiation area dL_2 [mm]	320
Minimum distance to combustible materials – distance to ceiling dC [mm]	750
Safety distance to insulation, rear [mm]	60
Safety distance to insulation, right [mm]	60
Safety distance to insulation, floor [mm]	0
Insulation material thickness to installation base [mm]	0
Insulation material thickness to ceiling [mm]	-
Minimum distance from non-flammable materials [mm]	50
Insulation material, left [mm]	100
Insulation material thickness, right [mm]	100
Insulation material, rear [mm]	100
Cross-section, convection outlet [cm²]	700
Cross-section, convection inlet [cm²]	700
Max. amount of firewood fuel to be deposited [kg]	2.1

Output	
Nominal heat efficiency [kW]	9.0
Minimum heat output [kW]	-
Maximum heat output [kW]	9.0
Energy efficiency class	A
Circulating air cross-section with metal heat recovery surface [cm²]	1200
Circulating air cross-section without metal heat recovery surface [cm²]	700
Combustion air requirement [m³/h]	34.56
Minimum fuel throughput [kg/h]	-
Maximum fuel throughput [kg/h]	2.7
Outside air connection diameter [Ø mm]	125

Exhaust gas values for the multiple occupancy of the chimney (according to DIN 18160-1) or rating of the chimney (according to DIN EN 13384-2).

Data for the chimney sweep	
Flue gas mass flow at nominal heat output [g/s]	10.5
Flue gas temperature [°C]	314
Minimum delivery pressure at nominal heat output [Pa]	11

5.9 65x51-K-2.0

Technical data according to Regulation (EU) 2015/1185 and delegated regulation (EU) 2015/1186

Contact details for the manufacturer or their authorised representative

Manufacturer:	Austroflamm GmbH
Contact:	-
Address:	Austroflamm-Platz 1
	4631 Krenglbach
	Austria

Appliance details

Model identification(s):	65x51-K-2.0
Equivalent models:	-
Test reports:	1015 / 1015-CPR-30-16564/1/TZ
Applied harmonized standards:	EN 16510-2-2:2022
Other standards/technical specifications. Specifications:	-
Indirect heating function:	No
Direct heat output:	9 kW
Indirect heat output:	-

Properties for operation with the preferred fuel

Space heating annual use efficiency η_s:	68 %
Energy efficiency index (EEI):	103

Particular precautions for assembly, installation or maintenance

Described in the individual sections of the operating manual.

Fuel	**Preferred fuel (only one):**	**Other suitable fuel(s):**	**ηs [x%]:**	**Space heating emissions at nominal heat output (*)**				**Space heating emissions at minimum heat output(*)**			
				PM	**OGC**	**CO**	**NOx**	**PM**	**OGC**	**CO**	**NOx**
				[x] mg/Nm³ (13% O2)				**[x] mg/Nm³ (13% O2)**			
Firewood, moisture content ≤ 25 %	yes	no	68	≤ 30	≤ 70	≤ 1250	≤ 160	-	-	-	-
Compregnated laminated wood, Moisture content < 12 %	no	no	-	-	-	-	-	-	-	-	-
Other woody biomass	no	no	-	-	-	-	-	-	-	-	-
Non-woody biomass	no	no	-	-	-	-	-	-	-	-	-
Anthracite and dry steam coal	no	no	-	-	-	-	-	-	-	-	-
Coking coal	no	no	-	-	-	-	-	-	-	-	-
Semi-coke	no	no	-	-	-	-	-	-	-	-	-
Bituminous coal	no	no	-	-	-	-	-	-	-	-	-
Lignite briquettes	no	no	-	-	-	-	-	-	-	-	-
Peat briquettes	no	no	-	-	-	-	-	-	-	-	-
Briquettes made from a mixture of fossil fuels	no	no	-	-	-	-	-	-	-	-	-
Other fossil fuels	no	no	-	-	-	-	-	-	-	-	-
Briquettes made from a mixture of biomass and fossil fuels	no	no	-	-	-	-	-	-	-	-	-
Other mixture of biomass and solid fuels	no	no	-	-	-	-	-	-	-	-	-
(*) PM = dust, OGC = organic gaseous connections, CO = carbon monoxide, NOx = nitrogen oxide											

Properties for exclusive operation with the preferred fuels

Specification	Symbol	Value	Unit		Specification	Symbol	Value	Unit
Heat output					**Thermal efficiency (fuel efficiency) (based on the NCV)**			
Nominal heat output	Pnom	9	kW		thermal efficiency (fuel efficiency) at nominal heat output	ηth,nom	78	%
Minimum heat output (standard value)	Pmin	-	kW		thermal efficiency (fuel efficiency) at minimum heat output (standard value)	ηth,min	-	%
Auxiliary power consumption					**Type of heat output/room temperature control**			
At nominal heat output	elmax	-	kW		single-stage heat output, no room temperature control			yes
At minimum heat output	elmin	-	kW		two or more manually adjustable stages, no room temperature control			no
In standby condition	elSB	-	kW		Room temperature control with mechanical thermostat			no
Pilot flame power requirement					with electronic room temperature control			no
Pilot flame power requirement (if present)	Ppilot	-	kW		with electronic room temperature control and daytime regulation			no
					with electronic room temperature control and weekday regulation			no
					Other regulation options (multiple selections possible)			
					Room temperature control with presence detection			no
					Room temperature control with open window detection			no
					with remote control option			no

Dimensions and weight	
Height from [mm]	1241
Height to [mm]	1441
Width (body installation dimension) [mm]	656
Depth [mm]	477
Door frame height [mm]	510
Door frame width [mm]	656
Weight, basic appliance [kg]	120
Weight, HMS [kg]	61
Combustion chamber height [mm]	452
Combustion chamber width [mm]	388/536
Combustion chamber depth [mm]	323
Flue pipe outlet, diameter [mm]	180
Minimum distance to combustible materials - distance to rear dR [mm]	0
Minimum distance to combustible materials – left side dS_1 [mm]	0
Minimum distance to combustible materials – right side dS_2 [mm]	0
Minimum distance to adjacent combustible materials (e.g. furniture) dP [mm]	1500
Minimum distance to combustible materials – floor in front dF [mm]	740
Minimum distance to combustible materials – bottom dB [mm]	0
Minimum distance to combustible materials – left side radiation area dL_1 [mm]	320
Minimum distance to combustible materials – right side radiation area dL_2 [mm]	320
Minimum distance to combustible materials – distance to ceiling dC [mm]	750
Safety distance to insulation, rear [mm]	60
Safety distance to insulation, right [mm]	60
Safety distance to insulation, floor [mm]	0
Insulation material thickness to installation base [mm]	0
Insulation material thickness to ceiling [mm]	-
Minimum distance from non-flammable materials [mm]	50
Insulation material, left [mm]	100
Insulation material thickness, right [mm]	100
Insulation material, rear [mm]	100
Cross-section, convection outlet [cm²]	700
Cross-section, convection inlet [cm²]	700
Max. amount of firewood fuel to be deposited [kg]	2.1

Output	
Nominal heat efficiency [kW]	9.0
Minimum heat output [kW]	-
Maximum heat output [kW]	9.0
Energy efficiency class	A
Circulating air cross-section with metal heat recovery surface [cm²]	1200
Circulating air cross-section without metal heat recovery surface [cm²]	700
Combustion air requirement [m³/h]	34.56
Minimum fuel throughput [kg/h]	-
Maximum fuel throughput [kg/h]	2.7
Outside air connection diameter [Ø mm]	125

Exhaust gas values for the multiple occupancy of the chimney (according to DIN 18160-1) or rating of the chimney (according to DIN EN 13384-2).

Data for the chimney sweep	
Flue gas mass flow at nominal heat output [g/s]	10.5
Flue gas temperature [°C]	314
Minimum delivery pressure at nominal heat output [Pa]	11

5.10 65x57-K-2.0

Technical data according to Regulation (EU) 2015/1185 and delegated regulation (EU) 2015/1186

Contact details for the manufacturer or their authorised representative

Manufacturer:	Austroflamm GmbH
Contact:	-
Address:	Austroflamm-Platz 1
	4631 Krenglbach
	Austria

Appliance details

Model identification(s):	65x57-K-2.0
Equivalent models:	-
Test reports:	1015 / 1015-CPR-30-16564/1/TZ
Applied harmonized standards:	EN 16510-2-2:2022
Other standards/technical specifications. Specifications:	-
Indirect heating function:	No
Direct heat output:	9 kW
Indirect heat output:	-

Properties for operation with the preferred fuel

Space heating annual use efficiency η_s:	68 %
Energy efficiency index (EEI):	103

Particular precautions for assembly, installation or maintenance

Described in the individual sections of the operating manual.

Fuel	**Preferred fuel (only one):**	**Other suitable fuel(s):**	**ηs [x%]:**	**Space heating emissions at nominal heat output (*)**				**Space heating emissions at minimum heat output(*)**			
				PM	**OGC**	**CO**	**NOx**	**PM**	**OGC**	**CO**	**NOx**
				[x] mg/Nm³ (13% O2)				**[x] mg/Nm³ (13% O2)**			
Firewood, moisture content ≤ 25 %	yes	no	68	≤ 30	≤ 70	≤ 1250	≤ 160	-	-	-	-
Compregnated laminated wood, Moisture content < 12 %	no	no	-	-	-	-	-	-	-	-	-
Other woody biomass	no	no	-	-	-	-	-	-	-	-	-
Non-woody biomass	no	no	-	-	-	-	-	-	-	-	-
Anthracite and dry steam coal	no	no	-	-	-	-	-	-	-	-	-
Coking coal	no	no	-	-	-	-	-	-	-	-	-
Semi-coke	no	no	-	-	-	-	-	-	-	-	-
Bituminous coal	no	no	-	-	-	-	-	-	-	-	-
Lignite briquettes	no	no	-	-	-	-	-	-	-	-	-
Peat briquettes	no	no	-	-	-	-	-	-	-	-	-
Briquettes made from a mixture of fossil fuels	no	no	-	-	-	-	-	-	-	-	-
Other fossil fuels	no	no	-	-	-	-	-	-	-	-	-
Briquettes made from a mixture of biomass and fossil fuels	no	no	-	-	-	-	-	-	-	-	-
Other mixture of biomass and solid fuels	no	no	-	-	-	-	-	-	-	-	-
(*) PM = dust, OGC = organic gaseous connections, CO = carbon monoxide, NOx = nitrogen oxide											

Properties for exclusive operation with the preferred fuels

Specification	Symbol	Value	Unit		Specification	Symbol	Value	Unit
Heat output					**Thermal efficiency (fuel efficiency) (based on the NCV)**			
Nominal heat output	Pnom	9	kW		thermal efficiency (fuel efficiency) at nominal heat output	ηth,nom	78	%
Minimum heat output (standard value)	Pmin	-	kW		thermal efficiency (fuel efficiency) at minimum heat output (standard value)	ηth,min	-	%
Auxiliary power consumption					**Type of heat output/room temperature control**			
At nominal heat output	elmax	-	kW		single-stage heat output, no room temperature control			yes
At minimum heat output	elmin	-	kW		two or more manually adjustable stages, no room temperature control			no
In standby condition	elSB	-	kW		Room temperature control with mechanical thermostat			no
Pilot flame power requirement					with electronic room temperature control			no
Pilot flame power requirement (if present)	Ppilot	-	kW		with electronic room temperature control and daytime regulation			no
					with electronic room temperature control and weekday regulation			no
					Other regulation options (multiple selections possible)			
					Room temperature control with presence detection			no
					Room temperature control with open window detection			no
					with remote control option			no

Dimensions and weight	
Height from [mm]	1301
Height to [mm]	1501
Width (body installation dimension) [mm]	656
Depth [mm]	477
Door frame height [mm]	570
Door frame width [mm]	656
Weight, basic appliance [kg]	127
Weight, HMS [kg]	61
Combustion chamber height [mm]	512
Combustion chamber width [mm]	388/536
Combustion chamber depth [mm]	323
Flue pipe outlet, diameter [mm]	180
Minimum distance to combustible materials - distance to rear dR [mm]	0
Minimum distance to combustible materials – left side dS_1 [mm]	0
Minimum distance to combustible materials – right side dS_2 [mm]	0
Minimum distance to adjacent combustible materials (e.g. furniture) dP [mm]	1500
Minimum distance to combustible materials – floor in front dF [mm]	650
Minimum distance to combustible materials – bottom dB [mm]	0
Minimum distance to combustible materials – left side radiation area dL_1 [mm]	320
Minimum distance to combustible materials – right side radiation area dL_2 [mm]	320
Minimum distance to combustible materials – distance to ceiling dC [mm]	750
Safety distance to insulation, rear [mm]	60
Safety distance to insulation, right [mm]	60
Safety distance to insulation, floor [mm]	0
Insulation material thickness to installation base [mm]	0
Insulation material thickness to ceiling [mm]	-
Minimum distance from non-flammable materials [mm]	50
Insulation material, left [mm]	100
Insulation material thickness, right [mm]	100
Insulation material, rear [mm]	100
Cross-section, convection outlet [cm²]	700
Cross-section, convection inlet [cm²]	700
Max. amount of firewood fuel to be deposited [kg]	2.1

Output	
Nominal heat efficiency [kW]	9.0
Minimum heat output [kW]	-
Maximum heat output [kW]	9.0
Energy efficiency class	A
Circulating air cross-section with metal heat recovery surface [cm²]	1200
Circulating air cross-section without metal heat recovery surface [cm²]	700
Combustion air requirement [m³/h]	34.56
Minimum fuel throughput [kg/h]	-
Maximum fuel throughput [kg/h]	2.7
Outside air connection diameter [Ø mm]	125

Exhaust gas values for the multiple occupancy of the chimney (according to DIN 18160-1) or rating of the chimney (according to DIN EN 13384-2).

Data for the chimney sweep	
Flue gas mass flow at nominal heat output [g/s]	10.5
Flue gas temperature [°C]	314
Minimum delivery pressure at nominal heat output [Pa]	11

5.11 75x39-K-2.0

Technical data according to Regulation (EU) 2015/1185 and delegated regulation (EU) 2015/1186

Contact details for the manufacturer or their authorised representative

Manufacturer:	Austroflamm GmbH
Contact:	-
Address:	Austroflamm-Platz 1
	4631 Krenglbach
	Austria

Appliance details

Model identification(s):	75x39-K-2.0
Equivalent models:	-
Test reports:	1015 / 1015-CPR-30-16564/1/TZ
Applied harmonized standards:	EN 16510-2-2:2022
Other standards/technical specifications. Specifications:	-
Indirect heating function:	No
Direct heat output:	10 kW
Indirect heat output:	-

Properties for operation with the preferred fuel

Space heating annual use efficiency η_s:	68 %
Energy efficiency index (EEI):	103

Particular precautions for assembly, installation or maintenance

Described in the individual sections of the operating manual.

Fuel	**Preferred fuel (only one):**	**Other suitable fuel(s):**	**ηs [x%]:**	**Space heating emissions at nominal heat output (*)**				**Space heating emissions at minimum heat output(*)**			
				PM	**OGC**	**CO**	**NOx**	**PM**	**OGC**	**CO**	**NOx**
				[x] mg/Nm³ (13% O2)				**[x] mg/Nm³ (13% O2)**			
Firewood, moisture content ≤ 25 %	yes	no	68	≤ 30	≤ 70	≤ 1250	≤ 160	-	-	-	-
Compregnated laminated wood, Moisture content < 12 %	no	no	-	-	-	-	-	-	-	-	-
Other woody biomass	no	no	-	-	-	-	-	-	-	-	-
Non-woody biomass	no	no	-	-	-	-	-	-	-	-	-
Anthracite and dry steam coal	no	no	-	-	-	-	-	-	-	-	-
Coking coal	no	no	-	-	-	-	-	-	-	-	-
Semi-coke	no	no	-	-	-	-	-	-	-	-	-
Bituminous coal	no	no	-	-	-	-	-	-	-	-	-
Lignite briquettes	no	no	-	-	-	-	-	-	-	-	-
Peat briquettes	no	no	-	-	-	-	-	-	-	-	-
Briquettes made from a mixture of fossil fuels	no	no	-	-	-	-	-	-	-	-	-
Other fossil fuels	no	no	-	-	-	-	-	-	-	-	-
Briquettes made from a mixture of biomass and fossil fuels	no	no	-	-	-	-	-	-	-	-	-
Other mixture of biomass and solid fuels	no	no	-	-	-	-	-	-	-	-	-
(*) PM = dust, OGC = organic gaseous connections, CO = carbon monoxide, NOx = nitrogen oxide											

Properties for exclusive operation with the preferred fuels

Specification	Symbol	Value	Unit		Specification	Symbol	Value	Unit
Heat output					**Thermal efficiency (fuel efficiency) (based on the NCV)**			
Nominal heat output	Pnom	10	kW		thermal efficiency (fuel efficiency) at nominal heat output	ηth,nom	78	%
Minimum heat output (standard value)	Pmin	-	kW		thermal efficiency (fuel efficiency) at minimum heat output (standard value)	ηth,min	-	%
Auxiliary power consumption					**Type of heat output/room temperature control**			
At nominal heat output	elmax	-	kW		single-stage heat output, no room temperature control			yes
At minimum heat output	elmin	-	kW		two or more manually adjustable stages, no room temperature control			no
In standby condition	elSB	-	kW		Room temperature control with mechanical thermostat			no
Pilot flame power requirement					with electronic room temperature control			no
Pilot flame power requirement (if present)	Ppilot	-	kW		with electronic room temperature control and daytime regulation			no
					with electronic room temperature control and weekday regulation			no
					Other regulation options (multiple selections possible)			
					Room temperature control with presence detection			no
					Room temperature control with open window detection			no
					with remote control option			no

Dimensions and weight	
Height from [mm]	1121
Height to [mm]	1321
Width (body installation dimension) [mm]	756
Depth [mm]	477
Door frame height [mm]	390
Door frame width [mm]	756
Weight, basic appliance [kg]	119
Weight, HMS [kg]	61
Combustion chamber height [mm]	339
Combustion chamber width [mm]	488/636
Combustion chamber depth [mm]	323
Flue pipe outlet, diameter [mm]	180
Minimum distance to combustible materials - distance to rear dR [mm]	0
Minimum distance to combustible materials – left side dS_1 [mm]	0
Minimum distance to combustible materials – right side dS_2 [mm]	0
Minimum distance to adjacent combustible materials (e.g. furniture) dP [mm]	1500
Minimum distance to combustible materials – floor in front dF [mm]	1030
Minimum distance to combustible materials – bottom dB [mm]	0
Minimum distance to combustible materials – left side radiation area dL_1 [mm]	300
Minimum distance to combustible materials – right side radiation area dL_2 [mm]	300
Minimum distance to combustible materials – distance to ceiling dC [mm]	750
Safety distance to insulation, rear [mm]	60
Safety distance to insulation, right [mm]	60
Safety distance to insulation, floor [mm]	0
Insulation material thickness to installation base [mm]	0
Insulation material thickness to ceiling [mm]	-
Minimum distance from non-flammable materials [mm]	50
Insulation material, left [mm]	100
Insulation material thickness, right [mm]	100
Insulation material, rear [mm]	100
Cross-section, convection outlet [cm²]	700
Cross-section, convection inlet [cm²]	700
Max. amount of firewood fuel to be deposited [kg]	2.4

Output	
Nominal heat efficiency [kW]	10.0
Minimum heat output [kW]	-
Maximum heat output [kW]	10.0
Energy efficiency class	A
Circulating air cross-section with metal heat recovery surface [cm²]	1300
Circulating air cross-section without metal heat recovery surface [cm²]	700
Combustion air requirement [m³/h]	38.40
Minimum fuel throughput [kg/h]	-
Maximum fuel throughput [kg/h]	3.2
Outside air connection diameter [Ø mm]	125

Exhaust gas values for the multiple occupancy of the chimney (according to DIN 18160-1) or rating of the chimney (according to DIN EN 13384-2).

Data for the chimney sweep	
Flue gas mass flow at nominal heat output [g/s]	10.5
Flue gas temperature [°C]	312
Minimum delivery pressure at nominal heat output [Pa]	11

5.12 75x39-KII

Technical data according to Regulation (EU) 2015/1185 and delegated regulation (EU) 2015/1186

Contact details for the manufacturer or their authorised representative

Manufacturer:	Austroflamm GmbH
Contact:	-
Address:	Austroflamm-Platz 1
	4631 Krenglbach
	Austria

Appliance details

Model identification(s):	75x39-KII
Equivalent models:	-
Test reports:	1625 / RRF - 29 15 3852
Applied harmonized standards:	EN 13229:2001/A:2004/AC:2007
Other standards/technical specifications. Specifications:	-
Indirect heating function:	No
Direct heat output:	10 kW
Indirect heat output:	-

Properties for operation with the preferred fuel

Space heating annual use efficiency η_s:	72 %
Energy efficiency index (EEI):	108

Particular precautions for assembly, installation or maintenance

Described in the individual sections of the operating manual.

Fuel	**Preferred fuel (only one):**	**Other suitable fuel(s):**	**ηs [x%]:**	**Space heating emissions at nominal heat output (*)**				**Space heating emissions at minimum heat output(*)**			
				PM	**OGC**	**CO**	**NOx**	**PM**	**OGC**	**CO**	**NOx**
				[x] mg/Nm³ (13% O2)				**[x] mg/Nm³ (13% O2)**			
Firewood, moisture content ≤ 25 %	yes	no	72	≤ 30	≤ 81	≤ 1250	≤ 160	-	-	-	-
Compregnated laminated wood, Moisture content < 12 %	no	no	-	-	-	-	-	-	-	-	-
Other woody biomass	no	no	-	-	-	-	-	-	-	-	-
Non-woody biomass	no	no	-	-	-	-	-	-	-	-	-
Anthracite and dry steam coal	no	no	-	-	-	-	-	-	-	-	-
Coking coal	no	no	-	-	-	-	-	-	-	-	-
Semi-coke	no	no	-	-	-	-	-	-	-	-	-
Bituminous coal	no	no	-	-	-	-	-	-	-	-	-
Lignite briquettes	no	no	-	-	-	-	-	-	-	-	-
Peat briquettes	no	no	-	-	-	-	-	-	-	-	-
Briquettes made from a mixture of fossil fuels	no	no	-	-	-	-	-	-	-	-	-
Other fossil fuels	no	no	-	-	-	-	-	-	-	-	-
Briquettes made from a mixture of biomass and fossil fuels	no	no	-	-	-	-	-	-	-	-	-
Other mixture of biomass and solid fuels	no	no	-	-	-	-	-	-	-	-	-
(*) PM = dust, OGC = organic gaseous connections, CO = carbon monoxide, NOx = nitrogen oxide											

Properties for exclusive operation with the preferred fuels

Specification	Symbol	Value	Unit		Specification	Symbol	Value	Unit
Heat output					**Thermal efficiency (fuel efficiency) (based on the NCV)**			
Nominal heat output	Pnom	10	kW		thermal efficiency (fuel efficiency) at nominal heat output	ηth,nom	82	%
Minimum heat output (standard value)	Pmin	-	kW		thermal efficiency (fuel efficiency) at minimum heat output (standard value)	ηth,min	-	%
Auxiliary power consumption					**Type of heat output/room temperature control**			
At nominal heat output	elmax	-	kW		single-stage heat output, no room temperature control			yes
At minimum heat output	elmin	-	kW		two or more manually adjustable stages, no room temperature control			no
In standby condition	elSB	-	kW		Room temperature control with mechanical thermostat			no
Pilot flame power requirement					with electronic room temperature control			no
Pilot flame power requirement (if present)	Ppilot	-	kW		with electronic room temperature control and daytime regulation			no
					with electronic room temperature control and weekday regulation			no
					Other regulation options (multiple selections possible)			
					Room temperature control with presence detection			no
					Room temperature control with open window detection			no
					with remote control option			no

Dimensions and weight	
Height from [mm]	1119
Height to [mm]	1319
Width (body installation dimension) [mm]	756
Depth [mm]	511
Door frame height [mm]	390
Door frame width [mm]	756
Weight, basic appliance [kg]	134
Weight, HMS [kg]	-
Combustion chamber height [mm]	330
Combustion chamber width [mm]	624
Combustion chamber depth [mm]	341
Flue pipe outlet, diameter [mm]	180
Minimum distance to combustible materials - distance to rear dR [mm]	800
Minimum distance to combustible materials – left side dS_1 [mm]	0
Minimum distance to combustible materials – right side dS_2 [mm]	0
Minimum distance to adjacent combustible materials (e.g. furniture) dP [mm]	800
Minimum distance to combustible materials – floor in front dF [mm]	-
Minimum distance to combustible materials – bottom dB [mm]	0
Minimum distance to combustible materials – left side radiation area dL_1 [mm]	-
Minimum distance to combustible materials – right side radiation area dL_2 [mm]	-
Minimum distance to combustible materials – distance to ceiling dC [mm]	750
Safety distance to insulation, rear [mm]	-
Safety distance to insulation, right [mm]	60
Safety distance to insulation, floor [mm]	0
Insulation material thickness to installation base [mm]	20
Insulation material thickness to ceiling [mm]	-
Minimum distance from non-flammable materials [mm]	50
Insulation material, left [mm]	130
Insulation material thickness, right [mm]	130
Insulation material, rear [mm]	-
Cross-section, convection outlet [cm²]	700
Cross-section, convection inlet [cm²]	700
Max. amount of firewood fuel to be deposited [kg]	2.4

Output	
Nominal heat efficiency [kW]	10.0
Minimum heat output [kW]	-
Maximum heat output [kW]	10.0
Energy efficiency class	A+
Circulating air cross-section with metal heat recovery surface [cm²]	1300
Circulating air cross-section without metal heat recovery surface [cm²]	700
Combustion air requirement [m³/h]	38.40
Minimum fuel throughput [kg/h]	-
Maximum fuel throughput [kg/h]	3
Outside air connection diameter [Ø mm]	125

Exhaust gas values for the multiple occupancy of the chimney (according to DIN 18160-1) or rating of the chimney (according to DIN EN 13384-2).

Data for the chimney sweep	
Flue gas mass flow at nominal heat output [g/s]	7.3
Flue gas temperature [°C]	286
Minimum delivery pressure at nominal heat output [Pa]	12

5.13 75x57-K-2.0

Technical data according to Regulation (EU) 2015/1185 and delegated regulation (EU) 2015/1186

Contact details for the manufacturer or their authorised representative

Manufacturer:	Austroflamm GmbH
Contact:	-
Address:	Austroflamm-Platz 1
	4631 Krenglbach
	Austria

Appliance details

Model identification(s):	75x57-K-2.0
Equivalent models:	-
Test reports:	1015 / 1015-CPR-30-16564/1/TZ
Applied harmonized standards:	EN 16510-2-2:2022
Other standards/technical specifications. Specifications:	-
Indirect heating function:	No
Direct heat output:	10 kW
Indirect heat output:	-

Properties for operation with the preferred fuel

Space heating annual use efficiency η_s:	68 %
Energy efficiency index (EEI):	103

Particular precautions for assembly, installation or maintenance

Described in the individual sections of the operating manual.

Fuel	**Preferred fuel (only one):**	**Other suitable fuel(s):**	**ηs [x%]:**	**Space heating emissions at nominal heat output (*)**				**Space heating emissions at minimum heat output(*)**			
				PM	**OGC**	**CO**	**NOx**	**PM**	**OGC**	**CO**	**NOx**
				[x] mg/Nm³ (13% O2)				**[x] mg/Nm³ (13% O2)**			
Firewood, moisture content ≤ 25 %	yes	no	68	≤ 30	≤ 70	≤ 1250	≤ 160	-	-	-	-
Compregnated laminated wood, Moisture content < 12 %	no	no	-	-	-	-	-	-	-	-	-
Other woody biomass	no	no	-	-	-	-	-	-	-	-	-
Non-woody biomass	no	no	-	-	-	-	-	-	-	-	-
Anthracite and dry steam coal	no	no	-	-	-	-	-	-	-	-	-
Coking coal	no	no	-	-	-	-	-	-	-	-	-
Semi-coke	no	no	-	-	-	-	-	-	-	-	-
Bituminous coal	no	no	-	-	-	-	-	-	-	-	-
Lignite briquettes	no	no	-	-	-	-	-	-	-	-	-
Peat briquettes	no	no	-	-	-	-	-	-	-	-	-
Briquettes made from a mixture of fossil fuels	no	no	-	-	-	-	-	-	-	-	-
Other fossil fuels	no	no	-	-	-	-	-	-	-	-	-
Briquettes made from a mixture of biomass and fossil fuels	no	no	-	-	-	-	-	-	-	-	-
Other mixture of biomass and solid fuels	no	no	-	-	-	-	-	-	-	-	-
(*) PM = dust, OGC = organic gaseous connections, CO = carbon monoxide, NOx = nitrogen oxide											

Properties for exclusive operation with the preferred fuels

Specification	Symbol	Value	Unit		Specification	Symbol	Value	Unit
Heat output					**Thermal efficiency (fuel efficiency) (based on the NCV)**			
Nominal heat output	Pnom		kW		thermal efficiency (fuel efficiency) at nominal heat output	ηth,nom		%
Minimum heat output (standard value)	Pmin	-	kW		thermal efficiency (fuel efficiency) at minimum heat output (standard value)	ηth,min	-	%
Auxiliary power consumption					**Type of heat output/room temperature control**			
At nominal heat output	elmax	-	kW		single-stage heat output, no room temperature control			yes
At minimum heat output	elmin	-	kW		two or more manually adjustable stages, no room temperature control			no
In standby condition	elSB	-	kW		Room temperature control with mechanical thermostat			no
Pilot flame power requirement					with electronic room temperature control			no
Pilot flame power requirement (if present)	Ppilot	-	kW		with electronic room temperature control and daytime regulation			no
					with electronic room temperature control and weekday regulation			no
					Other regulation options (multiple selections possible)			
					Room temperature control with presence detection			no
					Room temperature control with open window detection			no
					with remote control option			no

Dimensions and weight	
Height from [mm]	1301
Height to [mm]	1501
Width (body installation dimension) [mm]	756
Depth [mm]	477
Door frame height [mm]	570
Door frame width [mm]	756
Weight, basic appliance [kg]	140
Weight, HMS [kg]	61
Combustion chamber height [mm]	510
Combustion chamber width [mm]	488/636
Combustion chamber depth [mm]	323
Flue pipe outlet, diameter [mm]	180
Minimum distance to combustible materials - distance to rear dR [mm]	0
Minimum distance to combustible materials – left side dS_1 [mm]	0
Minimum distance to combustible materials – right side dS_2 [mm]	0
Minimum distance to adjacent combustible materials (e.g. furniture) dP [mm]	1500
Minimum distance to combustible materials – floor in front dF [mm]	650
Minimum distance to combustible materials – bottom dB [mm]	0
Minimum distance to combustible materials – left side radiation area dL_1 [mm]	300
Minimum distance to combustible materials – right side radiation area dL_2 [mm]	300
Minimum distance to combustible materials – distance to ceiling dC [mm]	750
Safety distance to insulation, rear [mm]	60
Safety distance to insulation, right [mm]	60
Safety distance to insulation, floor [mm]	0
Insulation material thickness to installation base [mm]	0
Insulation material thickness to ceiling [mm]	-
Minimum distance from non-flammable materials [mm]	50
Insulation material, left [mm]	100
Insulation material thickness, right [mm]	100
Insulation material, rear [mm]	100
Cross-section, convection outlet [cm²]	700
Cross-section, convection inlet [cm²]	700
Max. amount of firewood fuel to be deposited [kg]	2.4

Output	
Nominal heat efficiency [kW]	10.0
Minimum heat output [kW]	-
Maximum heat output [kW]	10.0
Energy efficiency class	A
Circulating air cross-section with metal heat recovery surface [cm²]	1300
Circulating air cross-section without metal heat recovery surface [cm²]	700
Combustion air requirement [m³/h]	38.40
Minimum fuel throughput [kg/h]	-
Maximum fuel throughput [kg/h]	3.2
Outside air connection diameter [Ø mm]	125

Exhaust gas values for the multiple occupancy of the chimney (according to DIN 18160-1) or rating of the chimney (according to DIN EN 13384-2).

Data for the chimney sweep	
Flue gas mass flow at nominal heat output [g/s]	10.5
Flue gas temperature [°C]	312
Minimum delivery pressure at nominal heat output [Pa]	11

5.14 Data for the chimney/flue dimensioning

TIP

When the draft is too great, the draft must be limited. Ensuring the correct draft is a matter for the stove/tiled stove builder.

TIP

For a chimney draft above 18 Pa it is urgently recommended that a throttle valve (available as an accessory) be incorporated into the connecting piece!

NOTICE

Operation allowed only with closed firebox.

Minimum cross-section of chimney / combustion air duct

Appliance	Minimum chimney cross-section	Minimum exterior air cross-section (for closed operation)	
		Up to 3 m length - max. 1 elbow	**Up to 6 m length - max. 2 elbows**
45x / 45x51 KII / 55x	Ø 160 mm 160 / 160 mm	120cm² Pipe Ø 125 mm	175cm² Pipe Ø 150 mm
65x / 75x	Ø 180 mm 180 / 180 mm	120cm² Pipe Ø 150 mm	255cm² Pipe Ø 180 mm

The following points are to be observed for exterior air conduits:

- do not create a bend, as the cross-section will be reduced
- keep cross-section constant
- The free air passage at the air grille must not be less than the actual cross-section of the recommended external air duct
- there must be no negative pressure (suction) at the point of the air duct intake, even in unfavourable wind conditions

5.15 Hypocaust heating

The design of the hypocaust must ensure the transport of heat and the even distribution of heat within the cladding so that no part of the heating chamber can be overheated.

The size of the heat-dispensing cladding surfaces must be matched to the heat generator.

The necessary insulation thicknesses specified in the technical data for the protection of building surfaces adjacent to the heat-producing appliance have been determined with open air grilles in continuous operation and must therefore be supplemented by suitable measures (e.g. rear ventilation).

The closed system must be calculated and designed in accordance with the technical rules of the stove- and air heating constructors trade association.

When setting up a closed system with Austroflamm fireplace inserts with sliding door, the temperature resistance of the cable drum is 250 °C. This maximum permissible ambient temperature must be observed! If the hypocaust is built to the specifications of the TR OL, this material temperature should never be reached. A rear ventilation of these components may need to be planned.

You can find out from the product data sheet, which can be found on the homepage, whether your fireplace insert is suitable for hypocaust heating.

6 Transport, handling and storage

6.1 Transportation

Fig. 3: Crate

Every Austroflamm fireplace insert is packed for protection and environmental friendliness.

The packaging consists of:

- The pallet,
- crate and
- protective film.

1) The packaging consists of untreated local wood or materials.
2) Use a lifting truck or forklift to transport the crate including the fireplace insert.
3) The fireplace insert is secured with cable binders to the side struts of the crate. These cable binders must be removed.
4) The crate is dismantled by the removal of the 4 screws which connect the bottom of the crate to the pallet.
5) The loose wooden crate must be removed from the hybrid fireplace insert.
6) Undo the fireplace insert from the pallet. To do so, 4 metal claws on the palette surface must be unscrewed.
7) Remove the air cushion / transport protection.
8) Immediately checked the goods delivered for completeness and damage in transit.
9) Check the accessory kit: glove, guide, any information sheets etc. The accessory kit is in the firebox.
10) Before installing the fireplace insert, check that all movable parts are working. Any defects before the installation of the fireplace insert must be reported.

6.2 Transport brackets

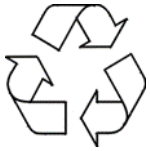
Transport locks, which are installed on the feet, are used only for transportation. These transport locks must be removed before installing the fireplace insert.

6.3 Storage

The fireplace insert must be stored in a dry room/warehouse. Protect against dirt, heat and moisture.

The following illustrations are attached to the crate and must be observed:

- Fragile – always place upright – protect against moisture and store dry.



- Remove and dispose of packing material in an environmentally friendly manner.

- The crate can be disposed of in the separate collection for packaging. Local disposal regulations must be observed.

7 Requirements at the installation location

7.1 Requirements at the room of installation

Fireplaces must not be set up in:

- spaces in which the required combustion air supply is not guaranteed.
- spaces which are generally accessible, especially emergency exits staircases in residential building with no more than 2 apartments are not included in general accessible spaces.
- spaces in which easily flammable or potentially explosive substances or mixtures are processed, stored or manufactured.
- spaces, apartments or units from which air is extracted with the aid of ventilators, such as ventilation- or hot-air heating installations, extractor hoods or exhaust air tumble dryers. Unless the safe function of the fireplace insert is ensured:

  This is ensured if:

  – the systems only circulate air within a space.
  – the systems have safety features which autonomously and reliably prevent negative pressure in the installation space.
  – simultaneous operation of the fireplace and the air-extracting system is prevented by safety features.
  – the flue gas routing is monitored by a particular piece of safety equipment.
  – no negative pressure greater than 0.04 mbar occurs overall via the combustion air flow of the fireplace insert and the volume flows of the ventilation systems in the installation room and rooms connected via the ventilation network. This must also be guaranteed when easily accessible ventilation system control equipment is adjusted or removed.

TIP

When operating a controlled living room ventilation system, the use of a DIBT-tested heat-producing appliance connected to a balanced flue is recommended.

7.2 Installing the fireplace insert

Observe the guidelines on fire safety, such as thermal insulation and air grille sizes.

⚠ DANGER

Fire hazard

Operating your Austroflamm fireplace insert with too high a fuel feed will create a risk of the chimney and adjacent components or furniture overheating.

7.3 Combustion air supply

For heat-producing appliances that draw their combustion air from the installation room an adequate supply of combustion air into the room must be provided. Other heat-producing appliances or ventilation facilities in the installation room or combustion air network may make a separate combustion air supply from outside necessary.

Air suction systems (e.g. ventilation system, cooker hood, etc.) that are operated together with the heat-producing appliance in the same room air network may disrupt the combustion air supply and possibly require additional safety measures under the heating regulations.

Combustion air supply via direct duct (balanced flue operation)

The combustion air supply can also be fed via a direct duct from outside to the fireplace insert. For this purpose the combustion air must be safely routed from the house's external air connection directly to the combustion air trunking.

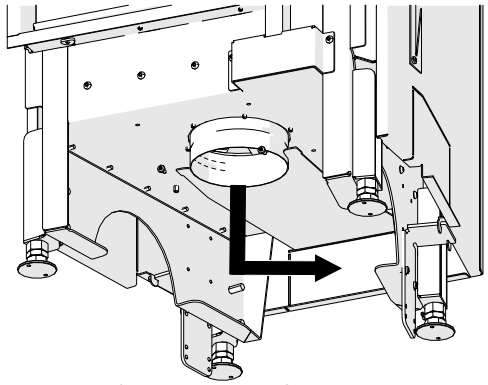
The duct cross-section can be determined with the help of the pressure-volume diagram (see technical rules of the Stove- and Air Heating Constructors Association). See Section "Min. cross-section of chimney combustion air duct". This method of connection is generally recommended.

Combustion air supply from the room (balanced flue operation)

The Austroflamm fireplace insert obtains its combustion air exclusively via the direct combustion air trunking directly from the installation room.

For all the models described in this manual you will find the combustion air trunking on the underside of the combustion chamber. For this reason a faultlessly working combustion air feed into the heating chamber must be ensured. This absolutely requires the correct dimensioning of the circulating air cross-sections, in addition to the necessary combustion air cross-section. The correct positioning of the corresponding openings into the heating chamber is very important.

Non-compliance can cause a lack of air during combustion.



The combustion air trunking must always be connected, as otherwise no combustion air is routed into the firebox.

Fig. 4: Combustion air trunking

7.4 Flue pipe

Flue pipe must be made of dimensionally stable construction materials, sealed and accessible for inspection and cleaning. Consideration must be given to possible condensation formation from falling below the dew point and prevented by suitable insulation.

For flue pipes in buildings with more than 2 full storeys and flue pipes which bridge firewalls, the ducts must be executed so that fire and smoke cannot be transmitted into other storeys or fire sections (see state building regulations).

7.5 Chimney requirements

Before set-up or installation of the Austroflamm fireplace insert, the chimney must be checked for its size and quality under the existing local regulations (respectively state building regulations, heating regulations and DIN 18160, Part 1). The mathematical proof of the adequate function of the chimney must be provided in accordance with EN 13384. Consideration must be given when making the calculation that the substantially greater quantity of air can also be safely removed when the door is open (stoking up fuel).

The operation of your Austroflamm fireplace insert is primarily dependent upon the faultless working of the chimney.

TIP

Care must be taken that all openings, such as openings for cleaning, of fireplace being used are closed during operation.

7.6 Multiple occupancy

All Austroflamm fireplace inserts in these instructions are **EN16510** tested and approved. Appliances can be connected to a multiple-occupancy chimney (if multiple occupancy is possible). The calculation is made according to DIN EN 13384 Part 2.

NOTICE

Multiple occupancy of the chimney is not allowed with balanced flue operation!

7.7 Flue pipe connecting pieces

The connecting piece must be selected in accordance with DIN EN 13384.

The connection between fireplace insert and heat recovery surface or to the chimney must be made using steel flue pipes with a minimum wall thickness of 2 mm, or flue pipes made of austenitic, non-rusting steel with a minimum wall thickness of 1 mm.

The connecting piece must be connected directly to the chimney.

The connecting piece inside the cladding must be covered with at least 3 cm thick, dimensionally stable, non-flammable insulation material of Class A1 as per DIN 4102, as described in the section Thermal insulation layers and materials.

This does not apply to connecting pieces that are intended for heating convection air and for which fire hazard is otherwise excluded.

8 Fuel material/-quantity

8.1 Fuel material

Wood

Many of our native types of wood can, after being appropriately dried, be burnt CO2-neutral in heat-producing appliances. Wood stands out because it grows again, can be sustainably harvested, requires little or no extra external energy to be invested in the fuel, and has a short journey from the producer to the consumer, which provides an optimal climate balance.

The most common types of wood to use in the stove are beech, yoke elm, birch, larch, spruce and pine. The most important criterion for burning in a heat-producing appliance is that the fuel has been sufficiently dried through. For this purpose, the prepared pieces of firewood should be stored for at least two years. The legislator stipulates a maximum water content of 20%. That is still however a lot of water sitting in the capillaries of the wood. A piece of firewood only becomes good when its water content comes to a maximum of 12 to 13%. The differences in combustion behavior are striking and clearly detectable even by the layman.

Types of wood other than the ones referred to above are also suitable for burning. However, each heat-producing appliance should be checked for how their use affects combustion behaviour. Oak for example burns with a rather shorter flame and more embers. Oakwood catches fire with greater difficulty, and due to hardness of the wood it is not split as well (small) as other types of wood, which again has a negative effect on combustion behavior. It is however a good energy source, and, correctly processed, also suitable as firewood.

Softwoods (fir, pine, spruce) should if possible be mixed with hardwood. Softwoods have a higher proportion of tannin, which leads to more deposits in the heat-producing appliance, the connecting pipes and the chimney. If only softwood is burnt, this can lead more quickly to a build-up of shining soot. Mixing with hardwood (for example, beechwood) reduces this effect.

The size of your heat-producing appliance's combustion chamber will dictate whether your firewood is 25cm, 33cm or 50cm in length. 50cm pieces of firewood should preferably dry for somewhat longer (lain down for three years or more), because wood is dried out mainly by the leakage of water from the capillaries - and that simply takes time. And the path from inside to outside in a 50cm-long piece of firewood is twice as long as in a 25cm-long piece of firewood. The important thing is that the wood is well split. This means that the circumference of a piece of firewood (once all sides are measured around the cutting point) must be a maximum of 15-25cm. Pieces of wood cut to this size dry more easily - above all, however, they give the fire (the temperature) a greater attack area and thus make it easier to evolve gas and thus to burn. Also, the quantity of fuel can be better measured out. Thanks to their outstanding levels of efficiency, modern heat-producing appliances require just a fraction of the amount of wood of earlier stoves. Here smaller pieces of firewood can be placed according to the manufacturer’s specifications - large pieces of wood often exceed the maximum specified quantity with just a single piece.

Not everyone has a hygrometer at home for determining the water content in wood, particularly when good reliable units cost several hundred euros. However, you can make a good estimate of how suitable your fuel is by carefully observing combustion behaviour. A “good” wood fire will only smoke briefly in the ignition phase, hardly at all after that. It will burn with a light (yellow to orange-colored) long flame. Little residue will occur in the combustion chamber, most of it disappearing again when the fire is fully developed. Another good criterion for assessing whether a piece of firewood is suitable for combustion is its weight. Most manufacturers also specify the amount to be laid in kg. Example: a piece of beechwood 33cm in length with a circumference of approx. 20cm weighs approx. 1kg when it is suitable (dry enough) for burning. Therefore, 25cm in length gives approx. 750 grammes, and 50 cm in length approx. 1.5kg.

Please observe at all times the maximum specified amount to be laid, even when putting on more wood! Otherwise your fire will not provide the desired efficiency - but above all considerable damage may be caused to your appliance, to gaskets and material and to the flue gas duct.

The wood may only be burnt untreated. NEVER burn treated woods, not even wood processed with natural substances or organic glazes. Wood waste does not belong in the stove!

Wood briquettes

Many people like wood briquettes as a fuel because they require less storage space than wood, can be stocked or sold in small quantities and - at least at first glance - make less work than wood. Within the scope of production, the quality of briquettes is consistent. Wood briquettes do not need to be stored for a long time to be dried out. Due to the raw material (unrefined chips) and the production process they have an already defined residual moisture.

If wood briquettes are designated as a suitable fuel, then this still only applies to this fuel, NOT for coal-, paper-, bark- or other pressed items, such as pellets.

In spite of various standardizations and many advertising promises, there are also considerable differences in quality in wood briquettes. But even with good fuel quality, combustion behavior is different from that of unrefined log. And not every wood briquette burns equally well in every stove. Before you decide on a particular variety and perhaps even store this up in larger quantities, you should extensively test the wood briquettes under various draft conditions. Most suppliers keep “test packages” for this purpose that can be purchased at preferential prices to test out and compare with one another the various types offered.

TIP

When burning wood briquettes, the maximum quantity specified in these instructions must also be observed. The quantity must not be exceeded.

As the wood is pressed and thus has little spatial volume for the same weight, modern heat-producing appliances with a low placement quantity often have “little fire heaps” occur, leading one to wonder whether a fire can burn at all with so little fuel. Nevertheless, you must never exceed the maximum placement, because that would cause damage. Many wood briquettes change during the temperature increase when burning, by “opening up”. This should not worry you as it is normal. When inserting wood briquettes make sure that this expansion as far as possible does not press not in the direction of the window, as otherwise this will get very dirty.

In principle you should not insert wood briquettes as one piece, but rather break them at the layer thicknesses, which are usually visible in slices, and place smaller pieces in the combustion chamber, not in an interlocking manner, but randomly. This way you will ensure that the combustion air reaches more burning material and flows around it better. Wood briquettes require a stronger air current, an expert eye and perhaps a bit more patience, until you get the knack of it. Since less volume is available (although the same mass, it takes less space up), the fire is generally smaller and does not burn so high and vivaciously as when burning log. When wood briquettes alone are burnt, this therefore generally leads to haziness in the combustion chamber, as well as on the stove window. Not all areas of the combustion chamber have the same temperature applied to them as when unrefined wood is burnt, which is why these deposits occur. It may be that with one variety of wood briquettes more deposits occur, whereas with another variety none at all. This suggests trying out various varieties to determine the suitable fuel for your heat-producing appliance. If you would really like to use wood briquettes, but don’t get on quite well with them, then it may also help to mix the fuel. That means: Burn wood briquettes and unrefined log in the mixture ratio that achieves a good burning result for your heat-producing appliance.

Wood briquettes must also be stored dry. In general, it can be said that pressed items with a hole in the middle usually burn better. Soft wood briquettes are to be preferred and are often more suitable than hard wood briquettes.

Approved fuel

Dry, properly stored, unrefined log (preferably hard wood) is permitted as fuel for our hybrid stoves

Round wood must be split at least once so that it lights better. The diameter of the split piece of wood must not exceed 7 cm.

Fuel

Only burn the recommended fuel.

Explosive substances

It is strictly forbidden to burn or introduce highly flammable or explosive substances (empty aerosols and the like) into the firebox or to store them in the immediate vicinity of your fireplace insert. Risk of explosion!

8.2 Fuel quantity

NOTICE

To avoid damage you must **NEVER** operate your fireplace insert a greater quantity of fuel than that specified in this manual!

For this purpose, please observe the section Technical data.

9 Installation instructions

NOTICE

Damage to the appliance

The fireplace insert must not have any connection to the housing (minimum gap width 3 mm), as otherwise damage may be caused to the appliance.

9.1 Set-up in front of or next to a wall to be protected

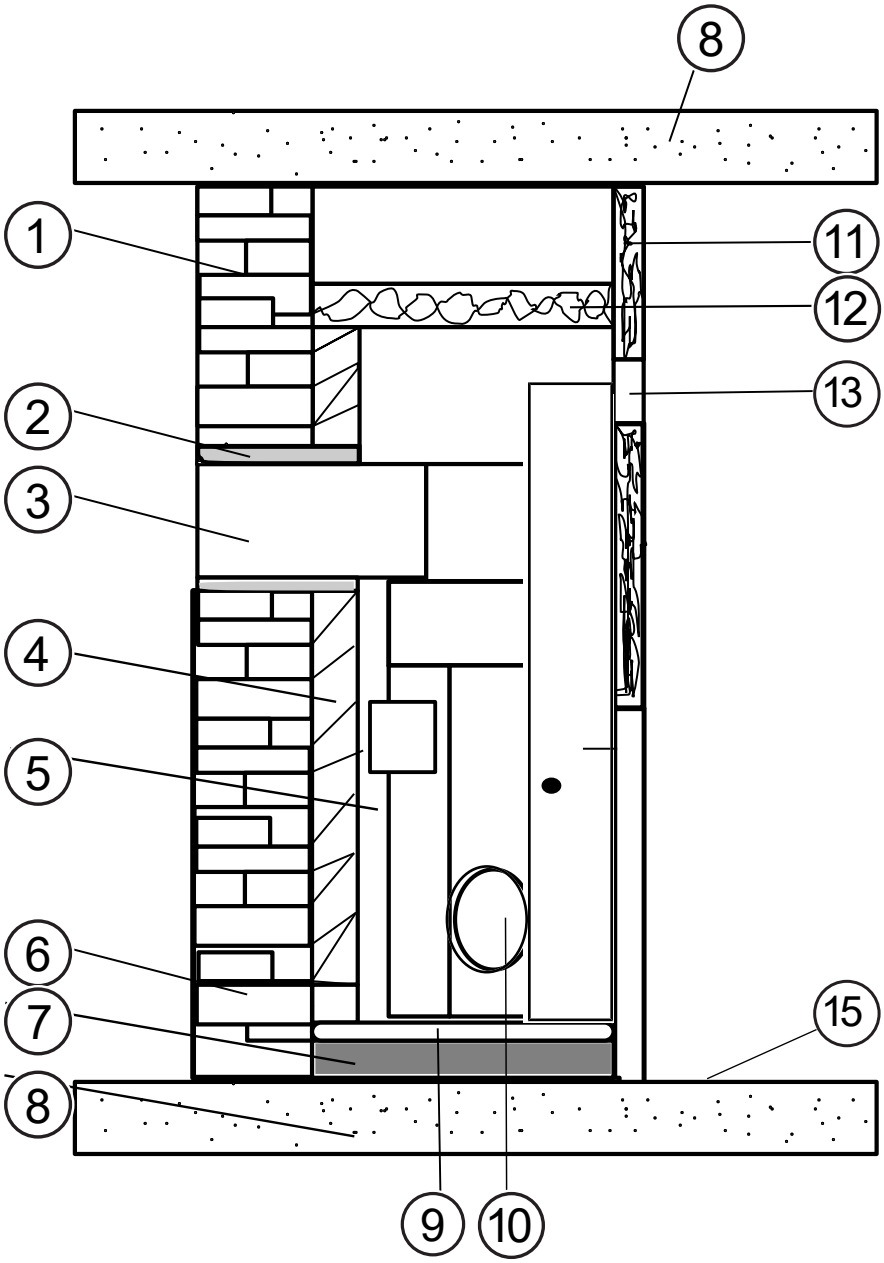


Fig. 5: Set-up in front of/next to a wall to be protected

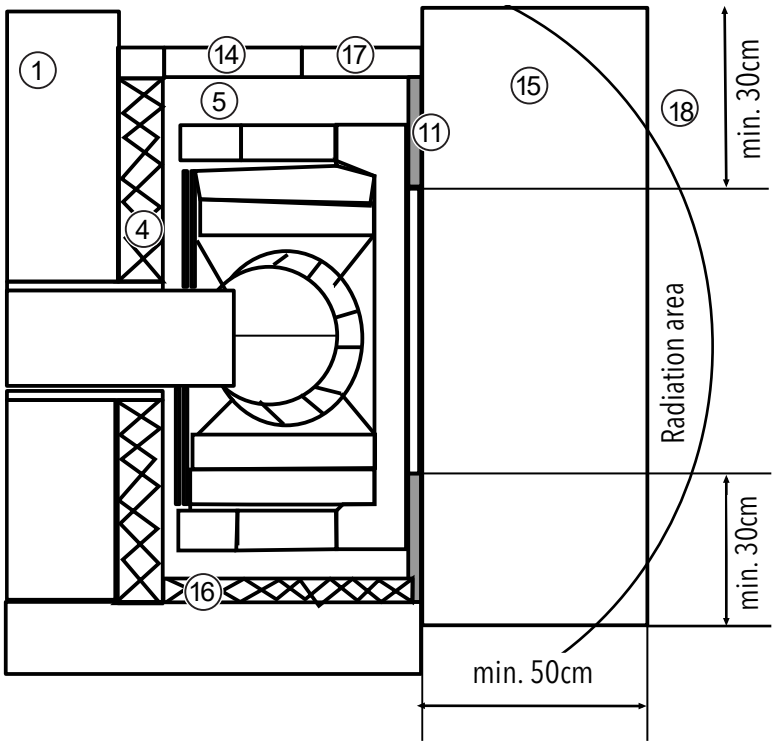


Fig. 6: Set-up in front of/next to a wall to be protected

1	Wall / building wall	2	Heat insulation layer (flue pipe)
3	Connector	4	Heat insulation layer (rear panel)
5	Convection space	6	Exterior air intake
7	Concrete slab at least 6 cm (only when being set up on a ceiling to be protected)	8	Ceiling
9	Heat insulation layer (concrete)	10	Combustion air collar
11	Cladding (facing the room)	12	Heat insulation layer (ceiling)
13	Inlet air outlet grille	14	Circulation air intake grille
15	Shielding floor protection made of non-flammable materials	16	Heat insulation layer (side wall)
17	Cladding (facing the room)	18	80 cm radiation area

Side and rear thermal insulation layers

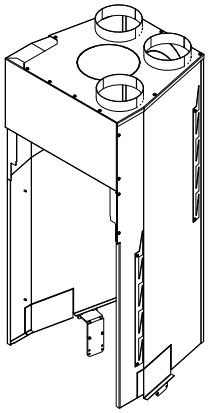
The building wall to be protected (1) must be protected with a insulation layer (16). The thickness of the insulation layer can be found in the Technical Data.

The cladding (11) must likewise be protected with an insulation layer. The cladding does not need to be protected if the open stove is designed in such a way that the free surfaces of the cladding and the surfaces of the niches for fuel storage can heat up to a maximum of 85 °C. For surfaces made of mineral construction materials, e.g. stove tiles, excluding surfaces on which objects may be placed, the value of 120 °C instead of the value of 85 °C. The increase of the maximum permissible temperature from 85 °C to 120 °C applies only to the more strongly inclined or vertical surfaces of the cladding made of mineral construction materials. This therefore allows the cladding to be developed as a heated tiled wall or similar.

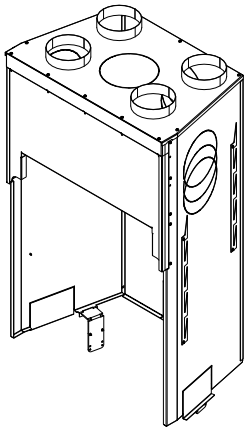
9.2 Convection claddings

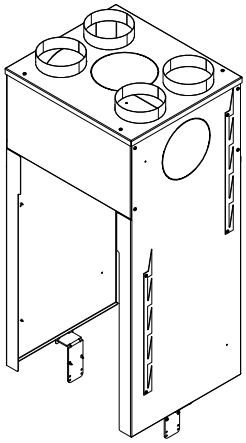
NOTICE

When using CV cladding, please observe the national regulations in respect of individual room fireplaces and the measurement requirement in the case of whole-home heating.

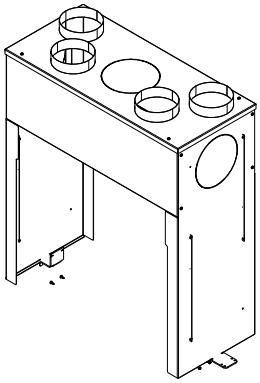


45x/55x/65x/75x





45x51 KII / 75x39 KII



9.2.1 Convection space

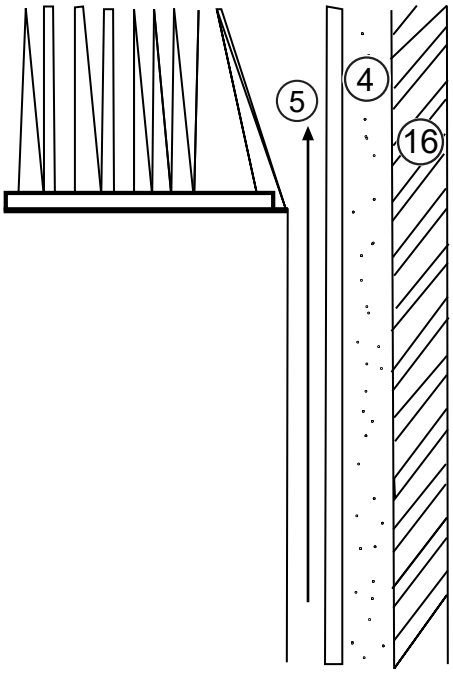


Fig. 7: Convection space

- If the convection cladding (appliance part) is not used, a convection space of at least 6 cm depth between fireplace insert (4) and insulation layer (16) to the rear and on both sides must be allowed for.
- The convection space (5) must be heat-insulated to all areas that are not heat-emitting claddings.
- The walls, the floor and the ceiling of the heating chamber must be clean and resistant to abrasion (see technical rules of the stove- and air heating constructors association). Therefore the insulation layer, if it is not calcium silicate slabs, must be protected with an abrasion-resistant material (heat shield/heating chamber plate or similar).

4	Convection space between fireplace insert and insulation layer
5	Convection space
16	Insulation layer

Convection air duct with convection cladding

All convection air ducts must be made of dimensionally stable, non-flammable construction materials. The warm air pipes must be fixed firmly to the warm air-/(supply) collar of the convection cladding and the grilles (optimally with collar plate).

9.3 Open fireplace system

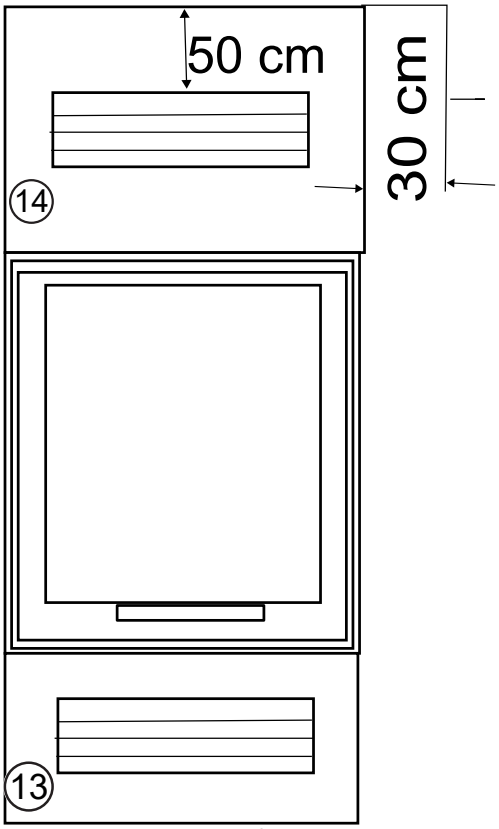


Fig. 8: Convection conduction

- You can find the cross-section for the air outlet (14) and air inlet (13) in the technical catalogue, the product data sheet from the homepage or the Technical Data section in this manual.
- Above at least 200 cm², air inlet and air outlet must not be lockable.
- There must be no flammable construction materials, e.g. wooden ceiling, and no furniture within a range of 30 cm next to and 50 cm above the air outlets (14).

13	Air inlet
14	Air outlet

9.4 Closed fireplace system (hypocaust)

The convection air circulates within the closed cladding. The heat is emitted via radiation above the cladding.

9.5 Protecting the installation base

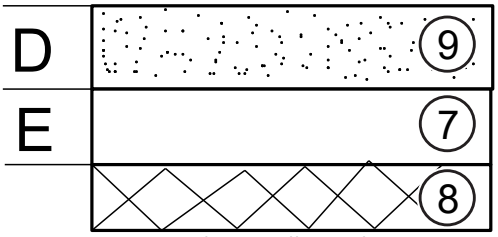


Fig. 9: Protecting the installation base

Installation bases (8) with flammable construction materials with a concrete slab (7) at least 6 cm thick (dimension E), which must be reinforced above installation bases without adequate lateral distribution, and above that by a thermal insulation layer (9) at least 5 cm (dimension D).

Bearing concrete- or reinforced concrete floors (8) must be protected by a thermal insulation layer at least 5 cm thick (9).

7	Concrete slab
8	Installation base (concrete or reinforced concrete)
9	Thermal insulation layer

9.6 Expansion joints

There must be no direct connection between fireplace insert and cladding (11). Therefore all points of contact between appliance and cladding must be separated with a sealing tape (glass fibre tape). Therefore neither must the frame (23) rest on the appliance or be screwed, bolted or welded to it.

9.7 Cladding

The room-facing cladding (11) must be made of construction material class A1 non-flammable materials. These are e.g. wall tiles, wall bricks, stove tiles, metal, plaster on lathing.

9.8 Fireplace aprons

The fireplace apron must not have any direct connection to the fireplace insert. It must be set up to be self-supporting. The manufacturer offers various frames (23) for this purpose.

9.9 Ornamental beam

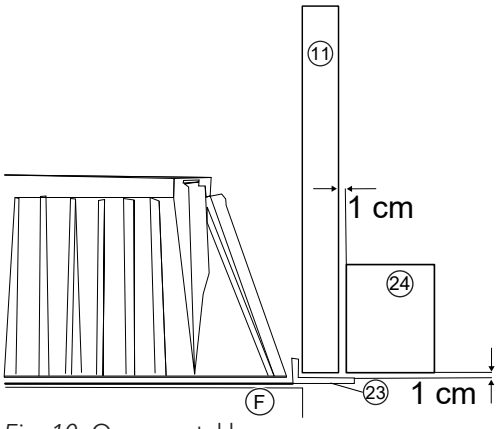


Fig. 10: Ornamental beam

The ornamental beams (24) are permissible at a distance of at least 1 cm in front of the cladding (11) and frame (23) of the open fireplace insert if:

- the ornamental beam is not a component of the building.
- the clearance spaces to the cladding are so open that no accumulation of heat can occur.
- the ornamental beam is not within the radiation area of the open fireplace insert.

11	Cladding
23	Frame
24	Ornamental beam
F	Expansion joint

9.10 Ceiling above the fireplace insert

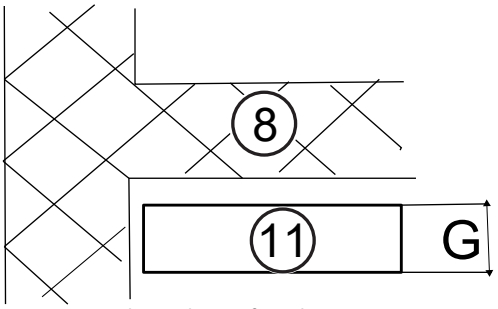


Fig. 11: Ceiling above fireplace insert

If the cavity above the fireplace insert reaches as far as the room ceiling (8), then the latter must be protected if:

- it consists of flammable components
- it serves as a bearing component

The thermal insulation layer (11) (dimension G) must be executed in compliance with the normal regional installation standards.

8	Room ceiling
11	Heat insulation layer

9.11 Floor in front of the fireplace insert

The floor in front of the fireplace insert must be made of flammable material. Minimum dimensions of this non-flammable area: forward at least 50 cm, to the sides at least 30 cm.

9.12 Fire protection

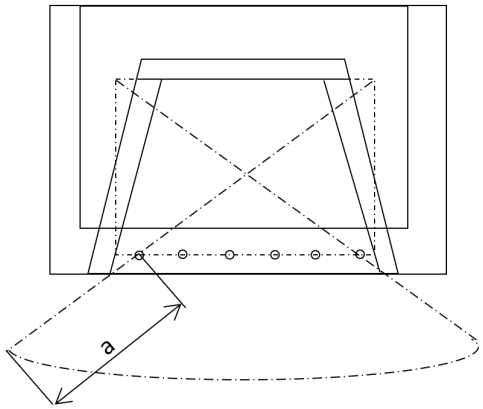


Fig. 12: a: Safety distance

Fire protection within the radiation area

Forwards, upwards and to the sides of the firebox opening, the minimum clearance (see Technical Data to components made of flammable construction materials or flammable components as well as furniture must be complied with. Half the distance is sufficient for an arrangement of radiation protection ventilated on both sides.

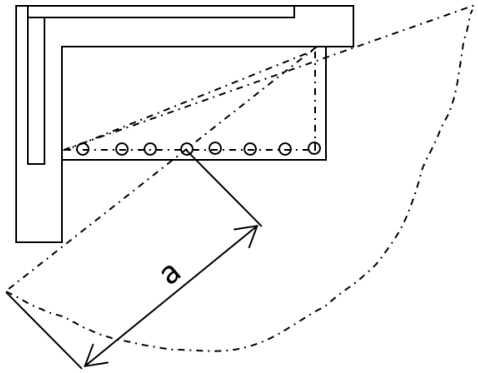


Fig. 13: a. Safety distance

Fire protection outside the radiation area

From the outer surfaces of the cladding of the open fireplace insert a distance of at least 5 cm must be maintained from components made of flammable construction materials or flammable components and from built-in furniture. The clearance space must be so open to the air current that an accumulation of heat cannot occur. Components which only cover small areas of the cladding of the open fireplace insert (such as floors, butt-joined wall cladding and insulation layers on ceilings and walls) can be brought up to the cladding without any gap.

9.13 Thermal insulation layers and materials

Insulation layers must be made of heat insulating boards of construction material class A1 as per DIN 4102 Part 1 with a maximum application temperature of at least 700 °C and a bulk density of more than 80 kg/m³. The insulation material must be marked with the appropriate insulation material code number as per AGI-Q 132. Only the insulation materials which are listed in the following table may be used. If other insulation materials are used for the insulation layers, these must have an appropriate DIBT approval (German Institute for Structural Engineering Berlin) (e.g.: Promat calcium silicate thermal insulating board "Promasil 950 KS", Wolfshöher thermal insulating board "Prowolf", Wolfshöher thermal insulating board "Vermilite 2000", Thermax thermal insulating board "Thermax SN 400"). For building external walls and ceilings to be protected that have a U-value below 0.4 W/m², additional rear ventilation (see technical rules of the Stove- and Air Heating Constructors Association) will be necessary.

Insulation materials		Delivery		Insulation capacity		Upper maximum application temperature		Bulk density	
Group	Type	Group	Type	Group	Type	Group	In °C	Group	kg/m³
10	Mineral fibre	1	Channels	1	Mats, size 1	20	-200	2	20
11	Glass fibre	2	Fibres, loose	2	Mats, size 2	25	-250	3	30
12	Stone fibre	3	Fibres, granulate			30	-300	4	40
13	Slag fibre	4	Felts			35	-350	5	50
		5	Laminated mat			40	-400	6	60
		6	Mats			45	-450	7	70
		7	Slabs			50	-500	8	80
		8	Shells			55	-550	9	90
		9	Segments			60	-600	10	100
		10	braids	10	Shells size1	65	-650	11	110
				11	Shells size2	72	-700	12	120
						75	-750	13	130
						80	-800	14	140
						85	-850	15	150
				20	Slabs size 1	90	-900	16	160
				21	Slabs size 2			17	170
								18	180
								19	190
								20	200
		99	Other	99	Specification	99	*	99	*

*divergent test conditions

Thermal insulation layers must be seamless and overlapping.

If thermal insulation layers within the convection area are used for all fireplace inserts without convection cladding made of mineral wool, these must also be clad in an abrasive-resistant and non-reflective manner (e.g.: with black plate or sheet steel or galvanised sheet iron).

It is vital to ensure that the thermal insulation materials have sufficient heat resistance (min. 700 °C). Otherwise odours may form in the firing operation.

9.14 Electric cable runs

There must be no electric cable runs in walls and ceilings within the installation area of the fireplace insert.

9.15 Balanced flue-tested fireplace inserts

Flue pipe connection

- The flue pipe connection must be permanently tight
- The flue pipes used must be DIN EN 1856-2 tested.

Combustion air connection:

- The combustion air connection must be sufficiently tight
- Aluminium flexible pipes must not be deformed

10 Connection to ceramic flues

The specifications given in advance in respect of mounting instructions and installation regulations remain valid (see distances, thermal insulation, exhaust pipe connection).

The appliances are particularly suitable for installation with ceramic flues. However the faultless working of the heating system is only guaranteed if the following points are observed:

- Calculation of the ceramic flue
- Use of suitable Materials
- Compliance with maximum lengths of flue
- Installation of a direct- or heating flue
- Compliance with the necessary free area of the air grilles

The calculation of the ceramic flue must be made in compliance with the specified maximum flue lengths nd according to the technical rules of the Stove- and Air Heating Constructors Association and valid designs.

Characteristics for calculating the flue dimensions

Appliance type	Exhaust gas mass flow [g/s]	Flue gas temperature at appliance collar [°C]	Req'd Feed pressure at collar [Pa]
45x	6.1 / 6.1 / 6.1	314 / 314 / 314	12
45x51 Kr	6.1	314	12
45x51 KII	5.52	292	12
55x	10.5 / 10.5	314 / 314	12
65x	10.5 / 10.5 / 10.5	314 / 314 / 314	12
75x	10.5 / 10.5	312 / 312	12
75x39 KII	7.3	286	12

Maximum length of chamotte ceramic flues

The flue gas temperatures at the appliance collar are average temperatures over the duration of the combustion.

Appliance type	Flue length [m]	Feed pressure at collar [Pa]	Flue gas temperature downstream of the flues [°C]
45x	3	12	190
55x	3.5	12	190
65x, 75x	4	12	190
45x51KII	3.5	12	190
75x39 KII	4	12	190

The flue is constructed of refractory mineral materials. When setting up, attention must be paid to processing that is impervious to heating gases. The ceramic flue support must be load-bearing and heat-resistant. The installation base must be thermally insulated in the same way as in the section Protecting the installation base [▸on page 80].

The flue pipe connection must be connected gas-tight to the ceramic flue by means of plug-in steel tubes. The connection of the pipes to the ceramic flue is preferably to be made with a premanufactured connection block made of chamotte.

TIP

The steel tube/chamotte transition must be separate (expansion) and tight. The connecting pipes do not need to be thermally insulated.

TIP

Make the operator of the stove aware that the system with a downstream heat recovery surface must only be operated with the door closed!

NOTICE

Execution must be carried out in compliance with technical regulations. The minimum surface area (radiating surface) is 0.5m²/kW nominal heat output.

Sufficient circulation air in the system must be ensured.

10.1 Stove with ceramic flue

Example with CF (KMS) system

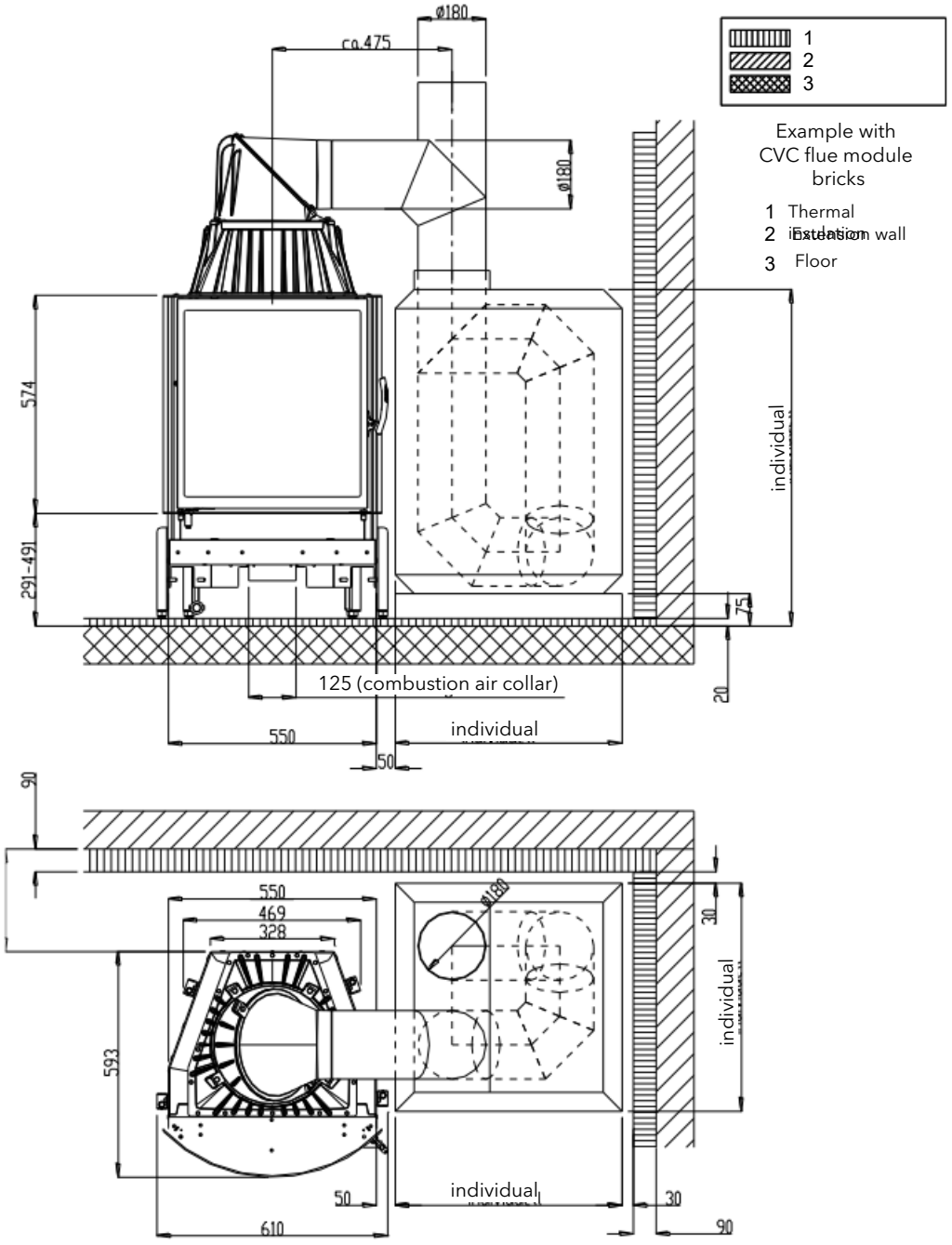


Fig. 14: Ceramic flue system

10.2 Connection to heat recovery surfaces

The specifications given in advance in respect of mounting instructions and installation regulations remain valid (see distances, thermal insulation, exhaust pipe connection).

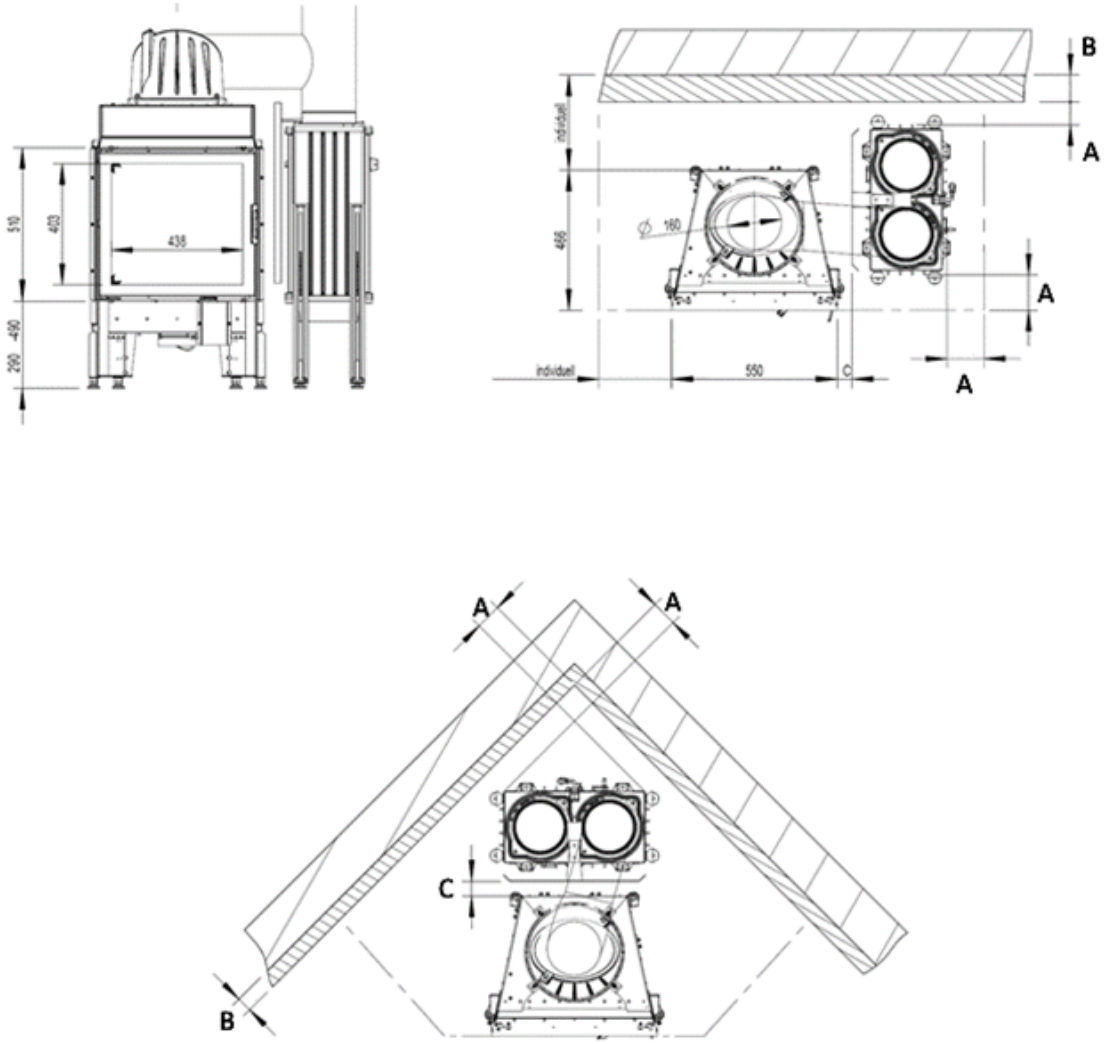
The metallic heat exchanger can be placed to the left or right side or behind the fireplace insert.

For details, please see the following dimensioned sketch.

The base of the heat exchanger must be stable and heat resistant. The floor space on which the heat exchanger is to be set up must be heat insulated in analogy to the manner described in the section on Protection of the set up area [▸on page 80].

Access to the cleaning openings on the heat exchanger must be ensured.

- General condition: The joining pieces from the fireplace insert and to the chimney must not longer in total than 1 m.



Mounting wall
Heat insulation
Inside edge cladding

Dimension A: 75 mm
Dimension B: 90 mm (insulation materials pursuant to AGI Q 132)
Dimension C: 50 mm

Fig. 15: Connection to ceramic flue heat exchanger

11 Installation

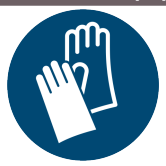
Installation must only be carried out by an authorized specialist company.

Before installing the fireplace insert, check that all movable parts are working. Any defects before the installation of the fireplace insert must be reported.

11.1 Risks and dangers

Protective equipment

The following protective equipment must be used:

Type of protective equipment	
	Safety gloves
	Safety shoes

Work equipment

The protective equipment and tools listed are required for the following work steps

Work equipment	Activity
SW24 spanner	Various adjustment jobs
Slotted screwdriver	var. jobs on the sheet metal heat deflectors
pliers	var. bending jobs

11.2 Execution

11.2.1 Placing the fireplace insert

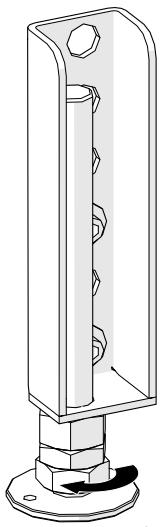
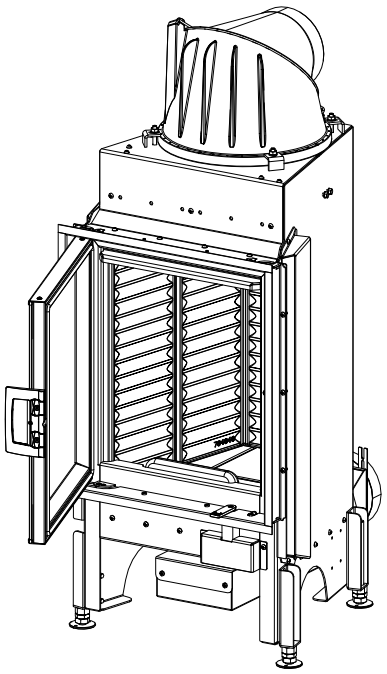


Fig. 16: Readjusting adjustable feet with SW24

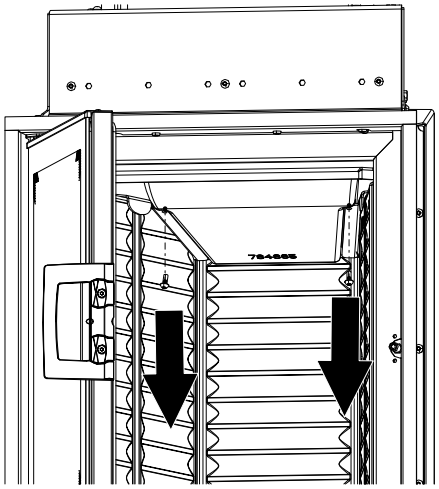
1) Place appliance on prepared load-bearing base.
2) Adjust the four adjustable feet with an SW24 spanner.
   - Should the length of the threaded rod be insufficient, the four mountings can be adjusted in height.

11.2.2 Removing the Keramott transport lock / installing the baffle plate

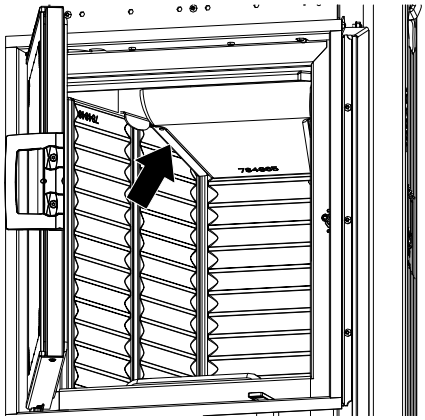
The removal of the Keramott lock and the installation of the baffle plate is the same for all **45x to 75x** fireplace inserts.



1) Open door.



2) Undo screws(2x).



3) Remove transport lock.
4) Insert baffle plate.

11.2.3 Installing the baffle plate

The Keramott elements of the fireplace insert are already preinstalled. Only the Keramott deflections need to be installed.

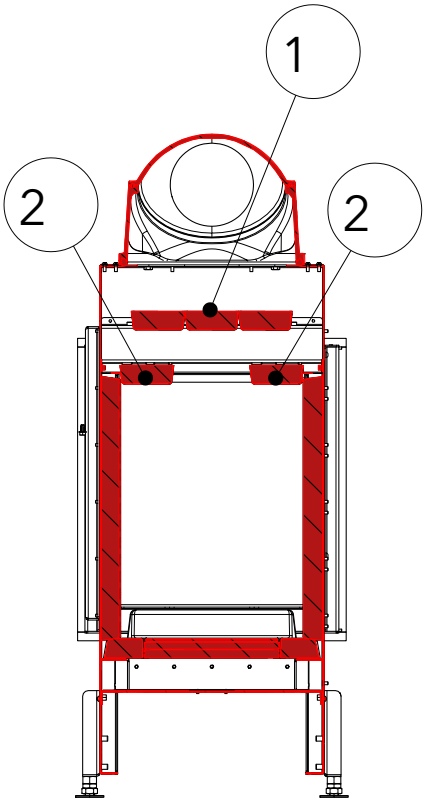


Fig. 17: 45x51 KII

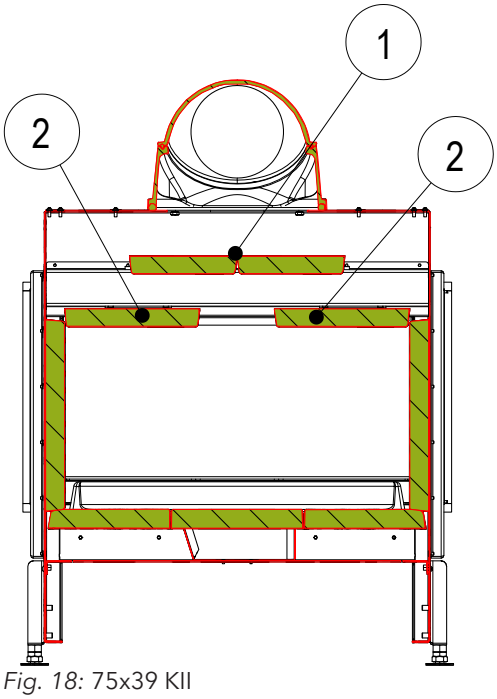
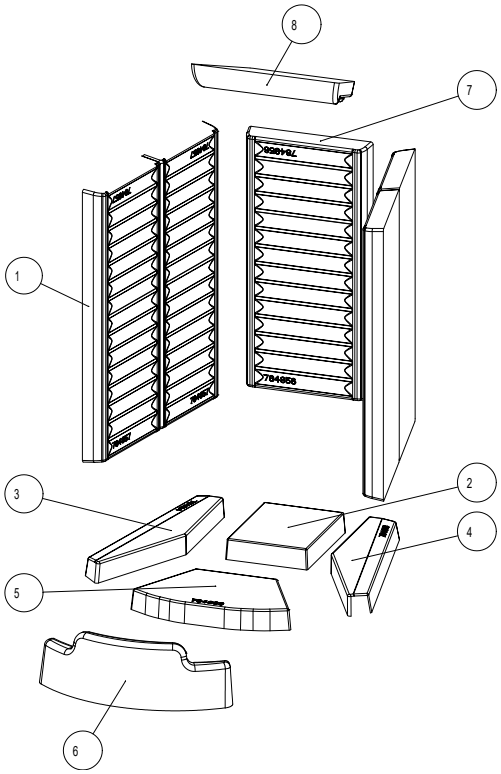


Fig. 18: 75x39 KII

45x51 KII / 75x39 KII

1) Insert the upper baffle plates (1).
   - These should be installed without spacing from each other.
2) Insert the lower plates (2) as illustrated.

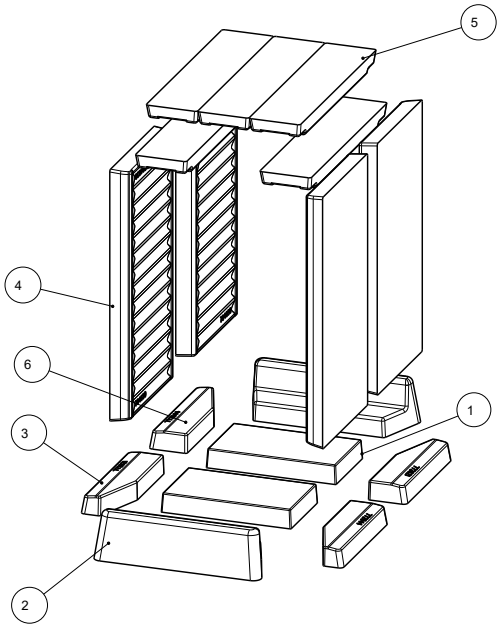
11.2.4 Installing the firebox lining (Keramott)



Sequence 45x 55x 65x 75x

Numbering = installation sequence

Fig. 19: Keramott 45x 55x 65x 75x



Sequence 45x51 KII:

Numbering = installation sequence

Fig. 20: Keramott 45x51 KII

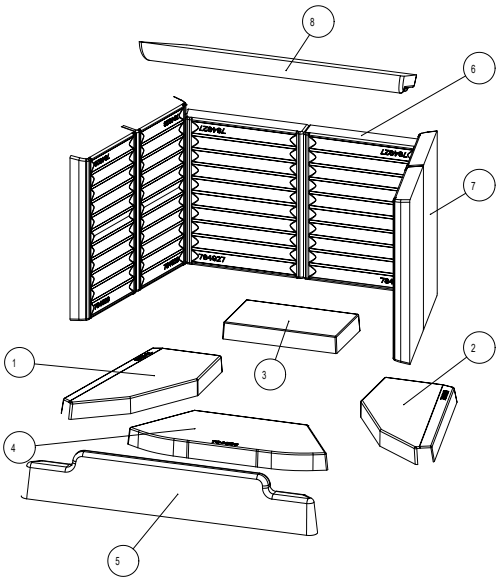


Fig. 21: Keramott 75x39 KII

Sequence 75x39 KII

Numbering = installation sequence

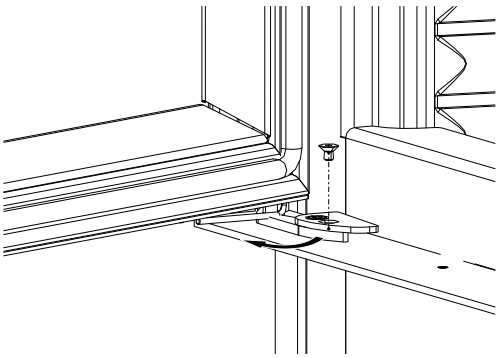
11.2.5 Mounting the firebox door

⚠ CAUTION

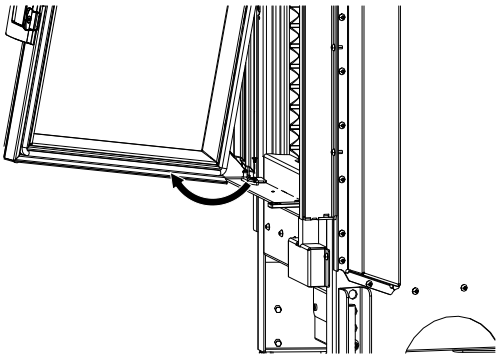
Risk of crushing injury

When mounting or removing the door, be careful not to trap your fingers/hand when the spring is tightened or released.

11.2.5.1 Removing the door

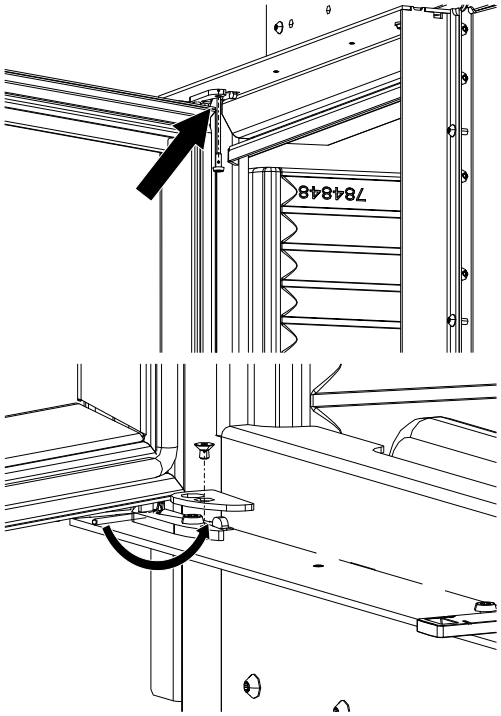


1) Open door up to 80 degrees.
2) Remove the locking plate above the spring.
3) Release spring.



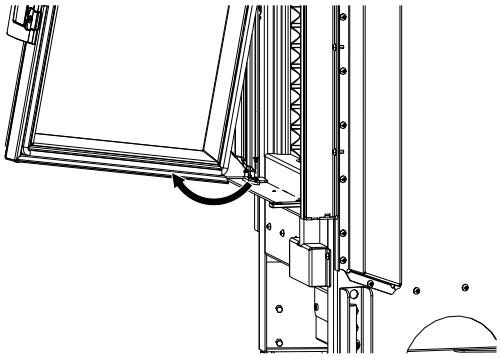
4) Lift door vertically until the lower door bolt is free.
5) Pull the bottom of the door towards you so that the bottom of the door is free.
6) Lower the door and release it from the upper mounting.

11.2.5.2 Installing the door



1) Position the door at a slight angle.
2) Insert the upper bolt.
3) Place door vertically.
4) Insert the lower bolt.
5) Lower door until the door is seated.
6) Tighten the spring until it engages behind the hinge bearing.
   ⇨ Be careful that the spring does not spring backwards again - CRUSHING HAZARD!
7) The door must be adjusted. Proceed as described in the section Adjusting the door [▸on page 127].

11.2.5.3 Converting the door to right-hand hinge



1) Lift door vertically until the lower door bolt is free.
2) Pull the bottom of the door towards you so that the bottom of the door is free.
3) Lower the door and release it from the upper mounting.

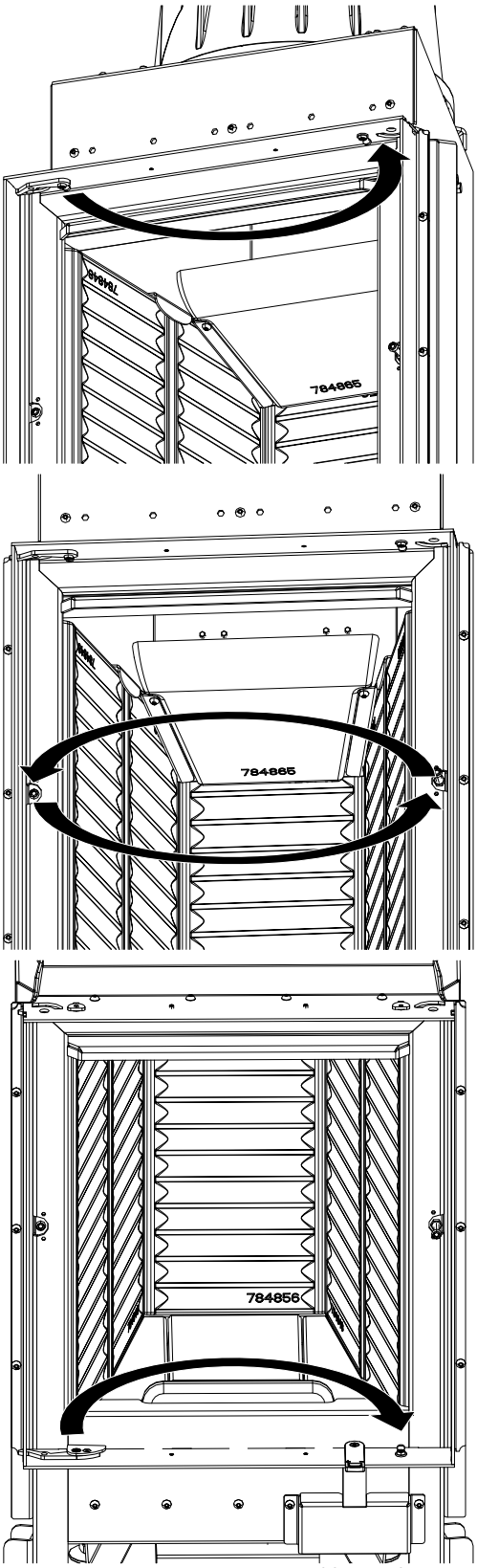
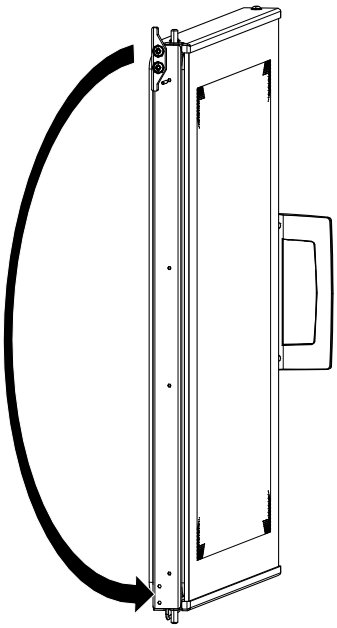
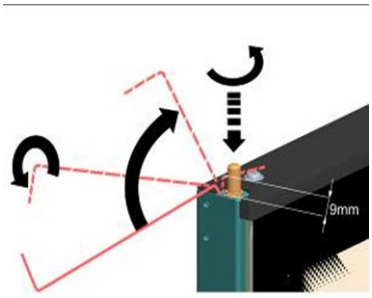


Fig. 22: Converting screws and hinge bearings

4) Mount all screws and hinge bearings on the other side.



5) Install spring and hinge on the other side.



6) Hook in the spring and tighten it until the bolt stops.
   ⇨ 9 mm projection!
7) Rotate door by 180° and install it as described in the step Installing the door [▸on page 92].
8) Adjust door. Proceed as described in the section Adjusting the door [▸on page 127].

11.2.6 Converting the sheet metal heat deflector to right-hand hinge

The sheet metal heat deflector must be turned 180° in the door when it is hinged to the right (horizontal part always at the bottom), as otherwise the secondary air intake is severely impaired, resulting in poorer combustion and heavy soiling of the glass pane.

11.2.6.1 Foldable fireplace inserts - front

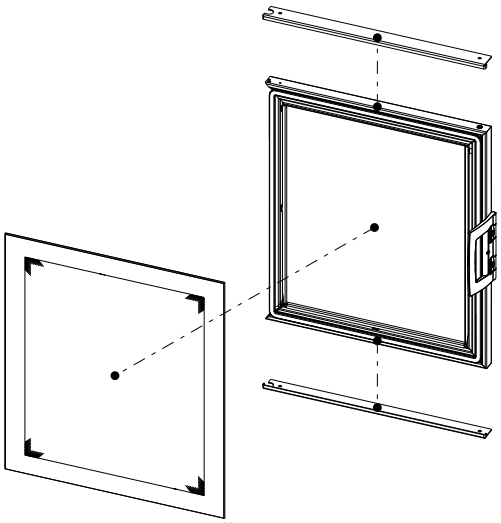


Fig. 23: Removing all parts

1) Remove all parts (except folding handle).

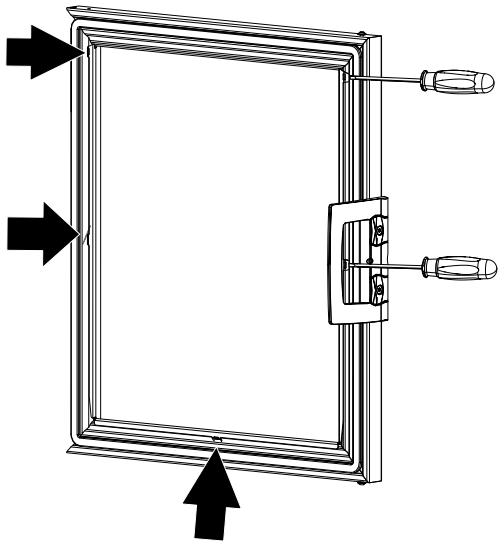
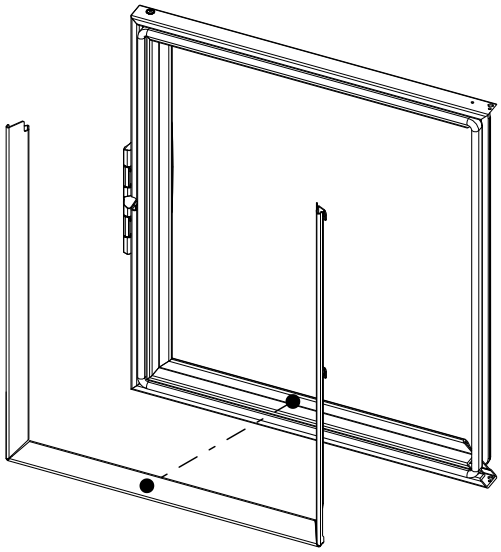
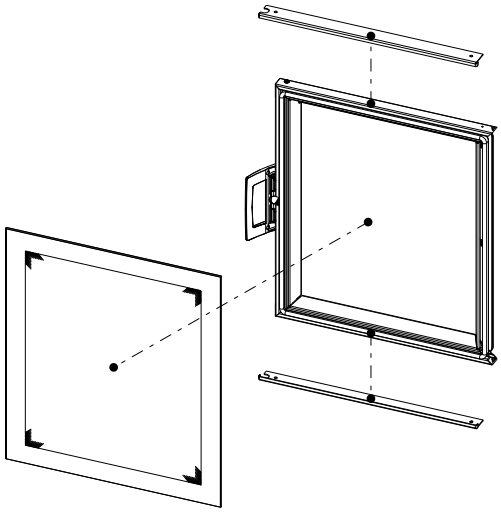


Fig. 24: Bending open the tabs

2) Bend open all tabs using slotted screwdriver.



3) Install the sheet metal heat deflector on the right-hand side and bend the tabs to the frame using the pliers.



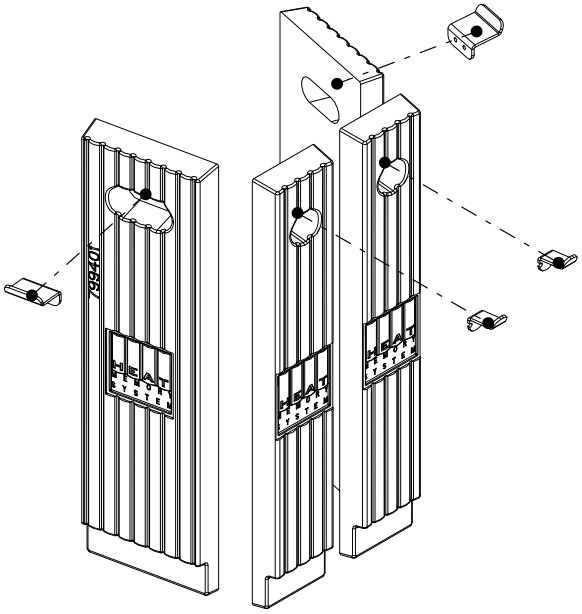
4) Reinstall all parts.

11.2.7 Converting the combustion air collar

The combustion air is fed through a collar. The combustion air adjustment and conversion of the collar is carried out by the operator.

11.2.8 Installing the Heat Memory System (HMS)

11.2.8.1 HMS 45x 55x 65x 75x



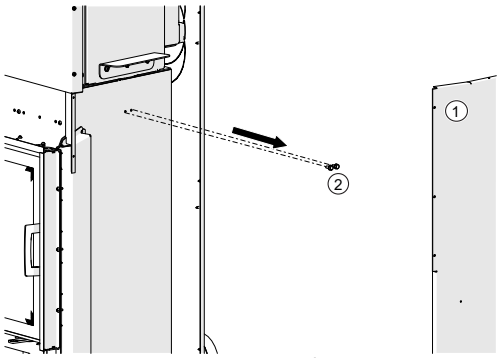


Fig. 25: Removing cover and screw

1) Remove cover (1) and screws (2).

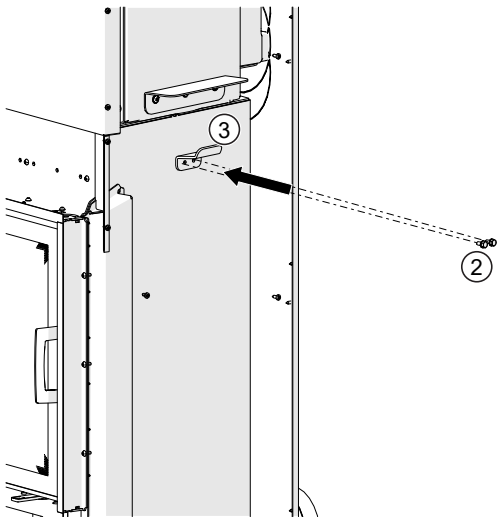


Fig. 26: Mounting the HMS holders

2) Mount HMS holder (3) with the screws (2).

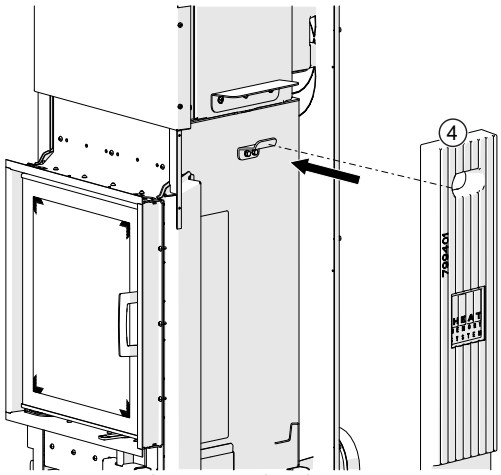


Fig. 27: Attaching HMS bricks

3) Attach HMS brick (4) to the HMS mounting.
4) Repeat steps 1 to 3 for the remaining HMS bricks.
5) Remount the side cladding.

11.2.9 Mounting top storage bricks

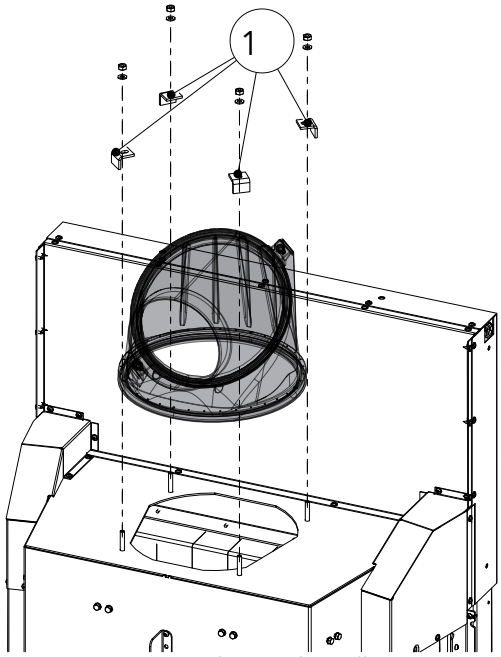


Fig. 28: Removing the smoke collector

1) Loosen hexagon nuts, washers and clamping shoe (1).
2) Remove smoke collector.

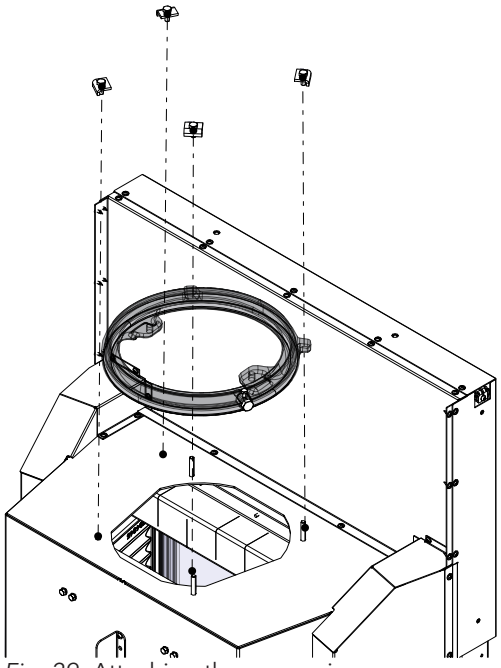


Fig. 29: Attaching the upper ring

3) Attach bottom ring and fasten to the bolt with clamping shoe, washer and nut.

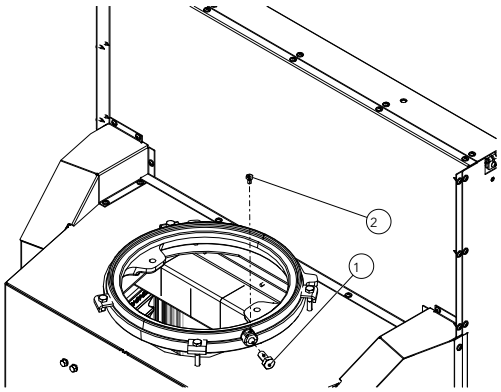


Fig. 30: Fastening screws or sensor

4) If an exhaust sensor is used, it will be fastened with the M6x10 hexagon screw (2). Otherwise an M12x25 hexagon screw (1) is used instead of the sensor.

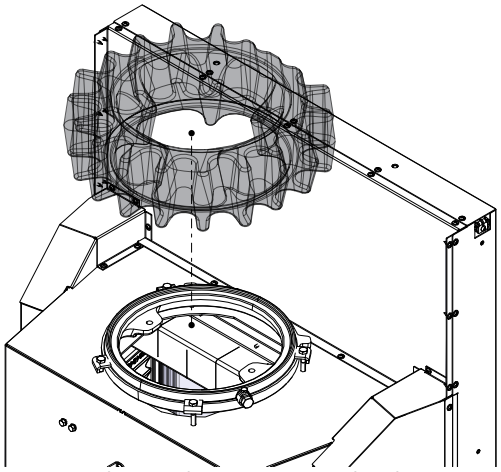


Fig. 31: Placing the top storage brick

Only a certain quantity of storage bricks may be mounted.

How many bricks can be mounted depends on the exhaust collar:

- Diameter 160/180 ->max 4 bricks
- Diameter 200/250 ->max 6 bricks

5) Placing the top storage brick on to the ring.
   ⇨ The flue gas temperature beyond the rings must not fall below 190°C!

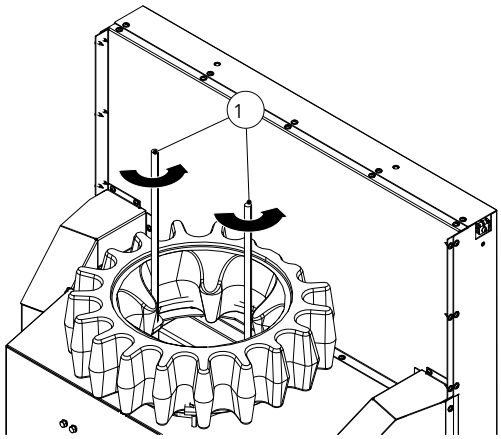


Fig. 32: Mounting threaded rod

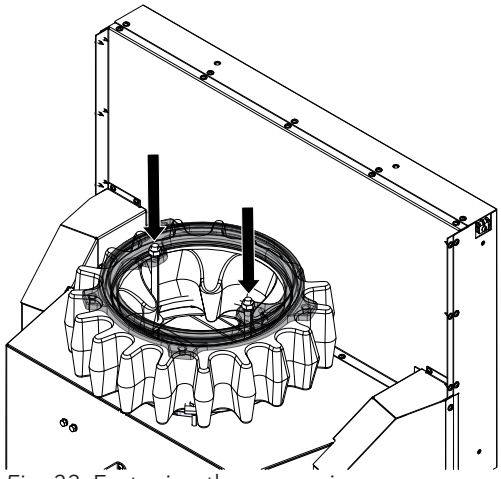


Fig. 33: Fastening the upper ring

6) The threaded rods (1) can be cut to the relevant length with a saw before or after mounting.
   - ⇨ Please ENSURE when cutting that the thread turn is not damaged.
   - ⇨ The length is dependent on the number of top storage bricks.

1 brick - 240 mm
2 bricks - 360 mm
3 bricks - 480 mm
4 bricks - 600 mm
5 bricks - 720 mm
6 bricks - 840 mm

7) Screw the threaded rods (1) into the holes of the ring at least 10x.

8) Place upper ring on the threaded rods and fasten with hexagon nuts and washers.

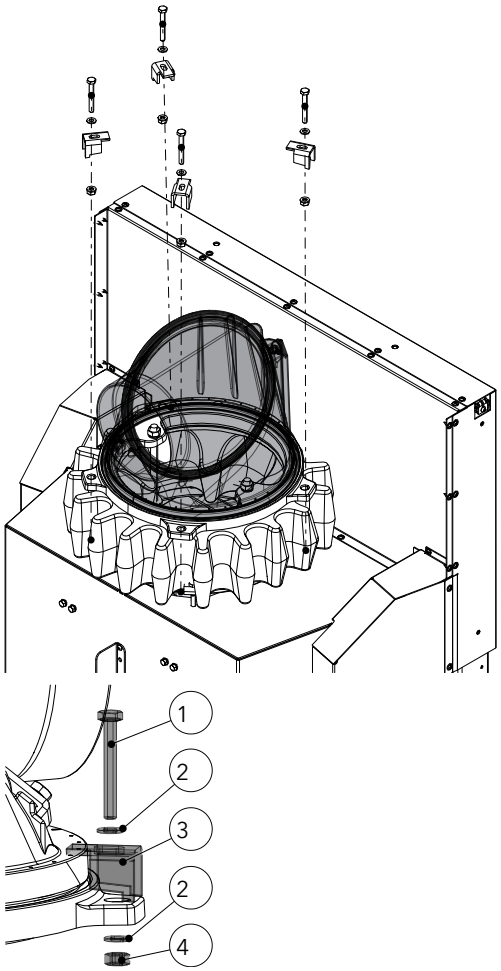


Fig. 34: Mounting the smoke collector

9) Place smoke collector on the upper ring and fasten with the clamping shoes (3), M8x60 hexagon screws (1), M8 washers (2) and M8 hexagon nut (4).

11.2.10 Mounting large top storage box

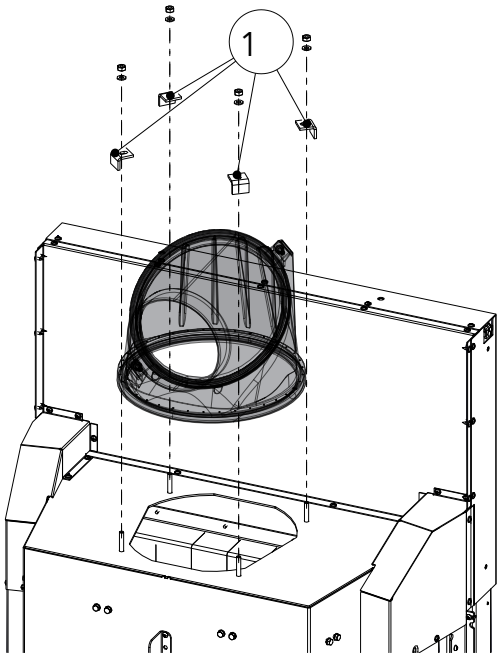


Fig. 35: Removing the smoke collector

1) Loosen hexagon nuts, washers and clamping shoe (1).
2) Remove smoke collector.

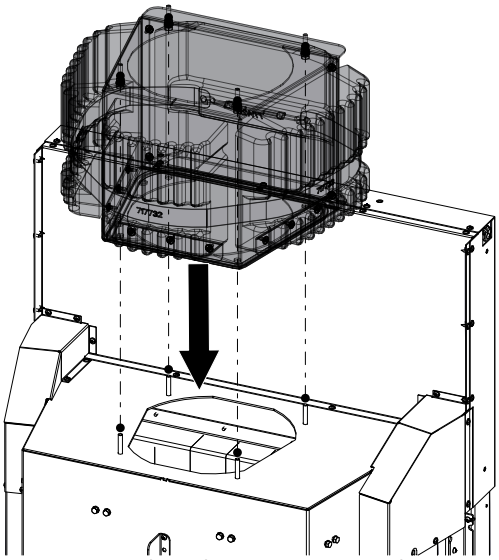


Fig. 36: Attaching large top storage box to the bolts

3) Attach large top storage box to the bolts.

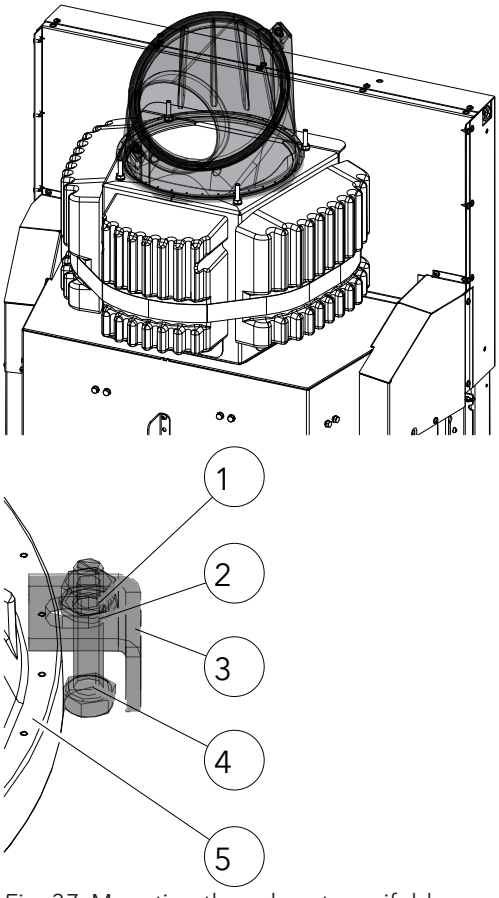


Fig. 37: Mounting the exhaust manifold

4) Place exhaust manifold (5) on to the top storage box and fasten it to the bolt (4) with clamping shoe (3), washer (2) and hexagon nut (3) .
5) If necessary, bring the smoke collector into the correct position. To do so, see section Adjusting the smoke collector.

11.2.11 Mounting the flat elbow

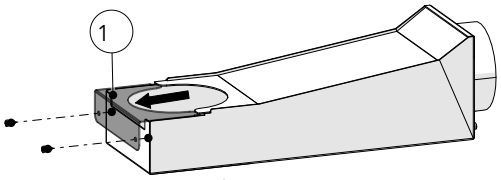


Fig. 38: Loosening the screws

1) Remove the screws and slide the top cover (1) slightly forward.

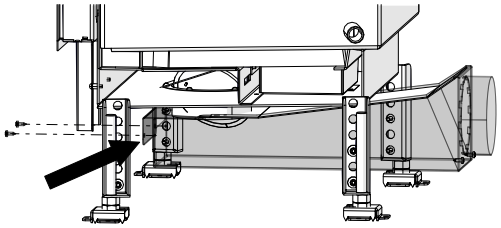


Fig. 39: Attaching the flat elbow

2) Attach the flat elbow to the bottom of the fireplace insert and place the connection from the fireplace insert into the flat elbow.
3) Then bring the upper cover (1) into the original position and fasten using the screws.

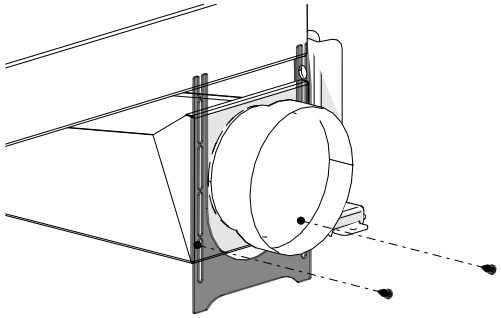


Fig. 40: Mounting the flat elbow

4) Place the attachment on to the floor and use the screws to fasten to the flat elbow at the slots.

11.2.12 Mounting small storage box - klapp appliances

The small storage box is mounted in the same way for all fireplace inserts.

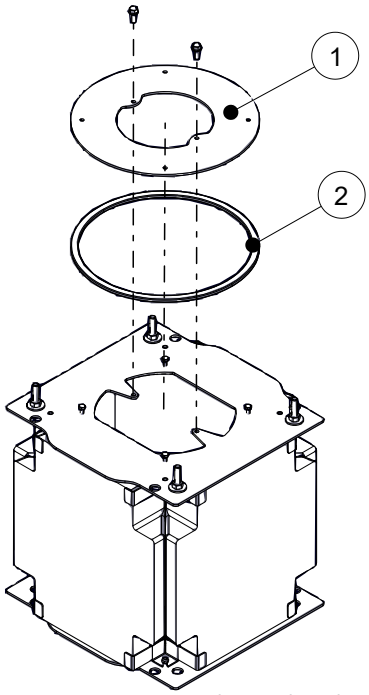


Fig. 41: Removing the seal and adapter plate

1) Remove seal (1), adapter plate (2) and screws.
   ⇨ Seal and adapter plate are no longer required.

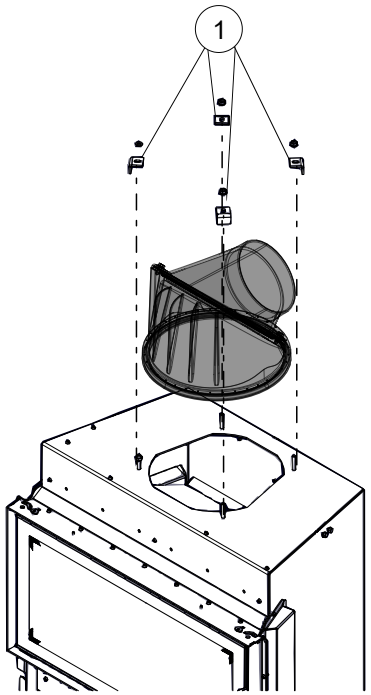


Fig. 42: Removing the smoke collector

2) Loosen hexagon nuts, washers and clamping shoe (1).
3) Remove smoke collector.

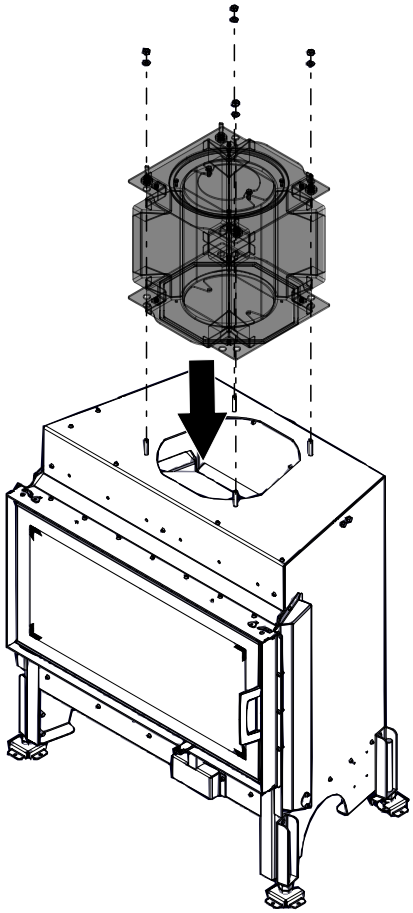


Fig. 43: Setting up the small storage box

4) Attach small top storage box to the bolts and fasten with the screws.
   ⇨ Check that the seal is correctly seated so that the parts are tight to each other.

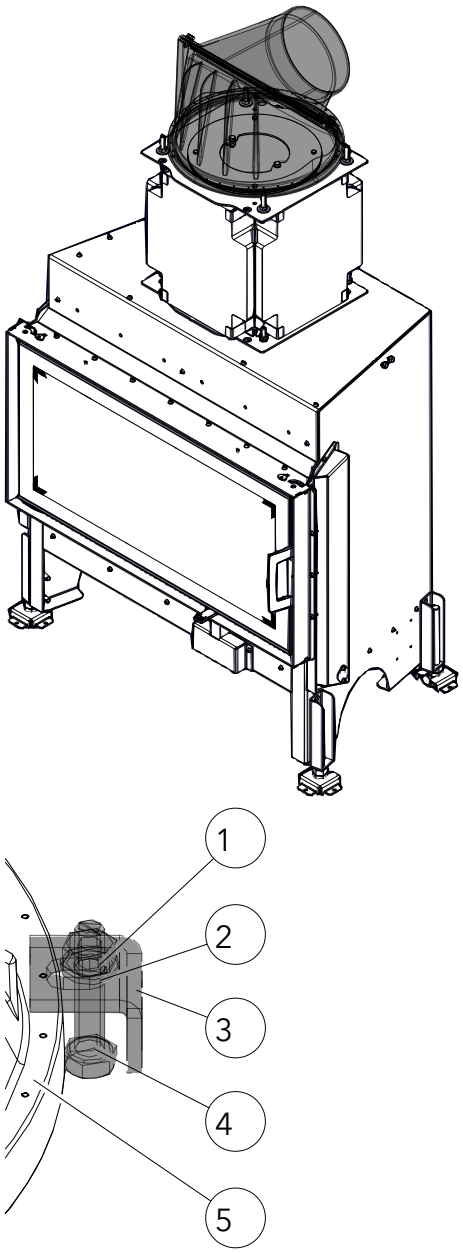


Fig. 44: Mounting the smoke collector

5) Place the smoke collector (5) on to the small storage box and fasten it to the bolt (4) with clamping shoe (3), washer (2) and hexagon nut (3).
6) If necessary, bring the smoke collector into the correct position.
   ⇨ Check that the seal is correctly seated so that the parts are tight to each other.

11.2.13 Assembling InsertControl

11.2.13.1 Installing InsertControl

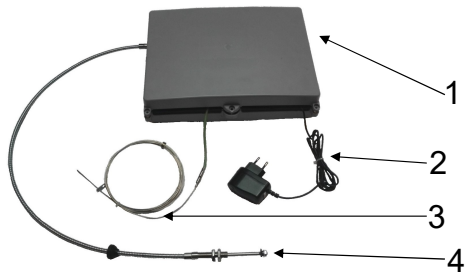


Fig. 45: Control unit

The control unit consists of:
Control unit (1)
Power unit (2)
Temperature sensor (270 - 20 cm) (3)
Bowden cable (100 cm) (4)

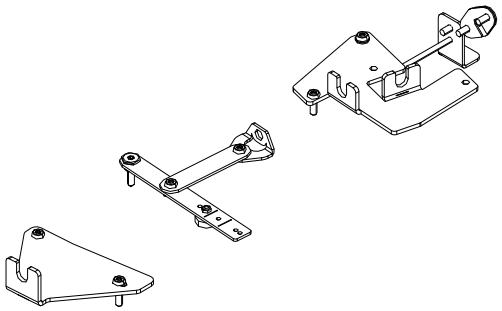


Fig. 46: Installation kit 363000

There are matching installation kits for the various fireplace inserts. The applicable fireplace inserts and the item numbers of the installation kits are:

45x, 55x, 65x 75x – 363000

75X II - 363011

45x round – no InsertControl

45x II – no InsertControl

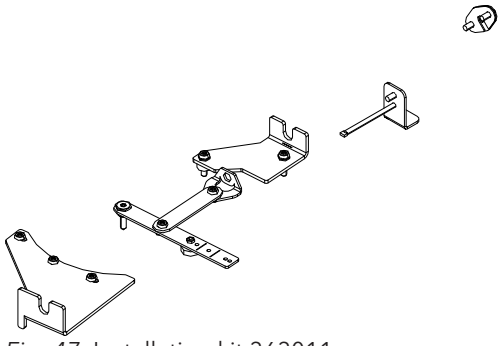


Fig. 47: Installation kit 363011

1) Set up the fireplace insert so that it is accessible all round for installation.
2) Remove the firebox lining (Keramott).
3) Two holes must be drilled in the flue pipe for the temperature sensor. The position of the holes around the diameter of the flue pipe can be freely selected (see flue pipe drilling diagram).

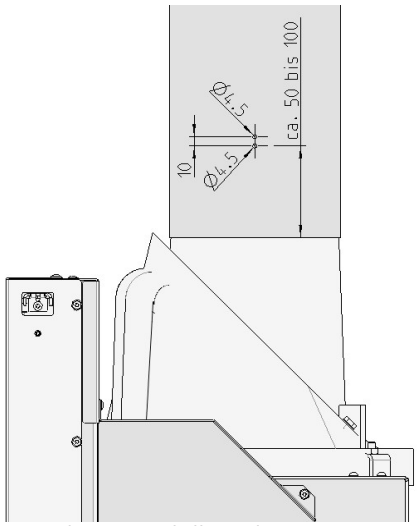


Fig. 48: Flue pipe drilling diagram

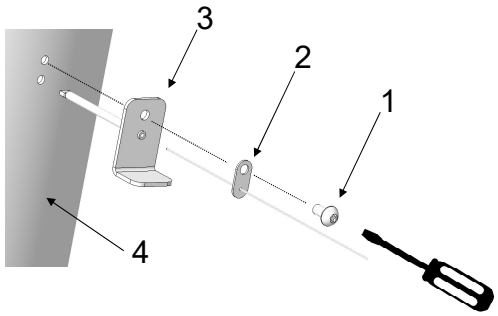


Fig. 49: Mounting the temperature sensor

4) To install the temperature sensor, you will require the following parts from the installation kit:
   - ⇨ 1 x Taptite hex. LKS M5x10 (1)
   - ⇨ 1 x thermocouple (2)
   - ⇨ 1 x sensor conduit (3)
   - ⇨ Torx screwdriver (not included in the installation kit)
5) Mount the temperature sensor on the flue pipe (4) as shown.

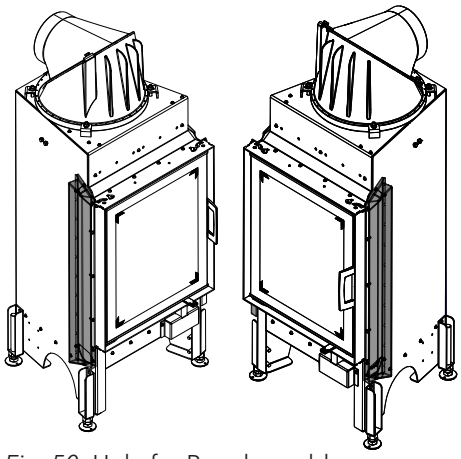


Fig. 50: Hole for Bowden cable

The holes for the Bowden cable have already been drilled beforehand for all Klapp flach + II fireplace inserts which have an InsertControl.

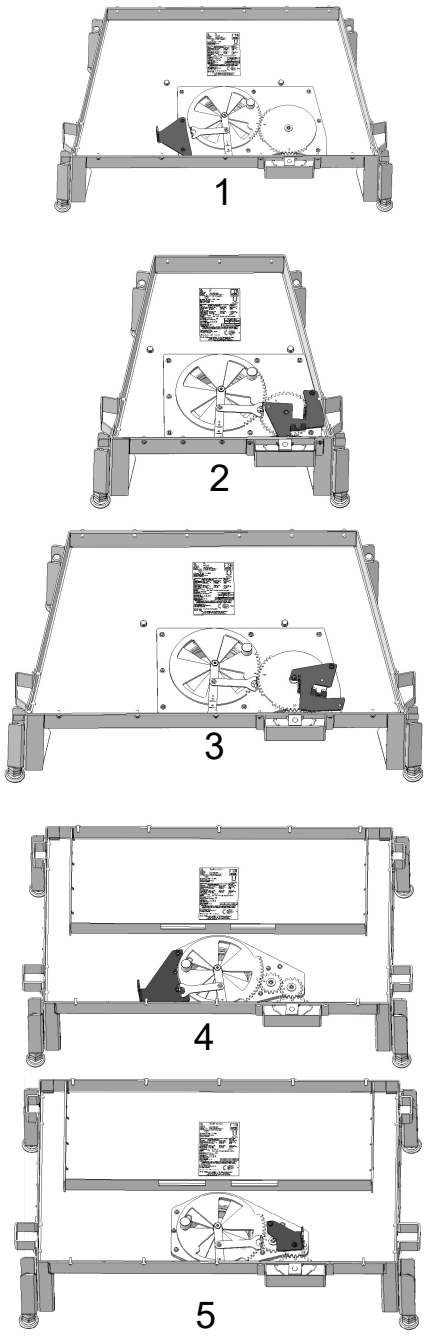


Fig. 51: Assembly situations

Here you can see the assembly situations:

On some fireplace inserts the assembly situation can be selected on either the left- or right-hand side. On some models, assembly situation is only possible on one side.

45x, 55x, 65x, 75x (1) – installation on the left

45x (2) – installation on the right

55x, 65x, 75x (3) – installation on the right

75x II (4) – installation on the left

75x II (5) – installation on the right

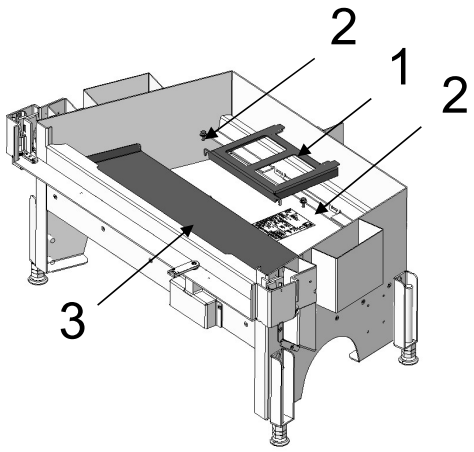


Fig. 52: Removing the parts

For 45x, 55x, 65x, 7x K

6) Remove centre stone tension support (1).
7) Remove the two M6x12 hexagon head screws (2).
8) Remove primary air cover (3).
   ⇨ Now InsertControl can be installed.

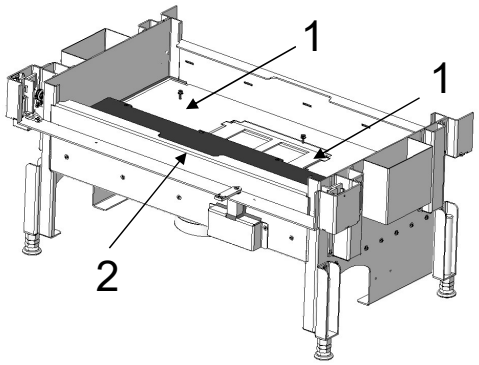


Fig. 53: Removing the parts

For 75x II

9) Remove the two M6x12 hexagon head screws (1).
10) Remove primary air cover (2).
    ⇨ Now InsertControl can be installed.

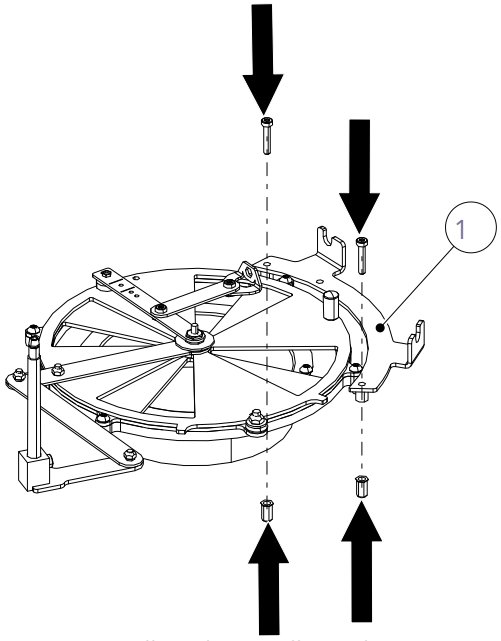


Fig. 54: Installing the installation kit

In the following illustration the 363000 installation kit has been installed in the left-hand version.

Depending on the appliance, installation kit and left- or right-hand assembly situation, for installing the mounting, other screws will have to be removed and installed again. You can find this in the illustrations showing the assembly situations of your stove/installation kit and in the detailed drawing in the installation kit.

11) Install the installation kit (1) as shown.
    ⇨ After installing the installation kit, check the free movement of the air regulator.
12) To do so, move the air regulator several times from the minimum position to the maximum position. Should there be no free movement of the air regulator, check the following:
    ⇨ Has the installation kit been correctly installed.
    ⇨ Are the screw joints on the air regulator disc excessively tightened?

If the air regulator can be easily adjusted, the assembly of the connection between installation kit and control unit can be continued.

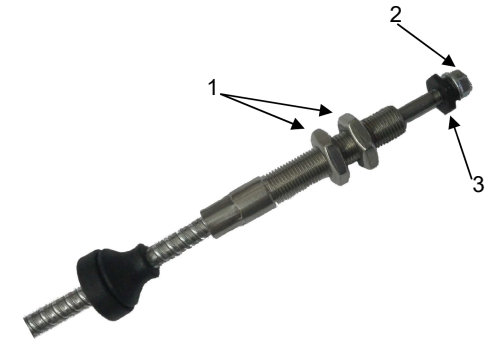


Fig. 55: Installing the control unit

13) Remove the two M10x1 (1) and the M5 nut with flange (2) and the spacer connecting plate (3).

For the connection between control unit and installation kit you will require the following part from the installation kit:

- 2 x Taptite hex. LKS M5x10
- 2 x flange Bowden cable
- Torx screwdriver (not included in the scope of delivery)

The installation point of the control unit must be chosen so that the following items are guaranteed:

- The ambient temperature of the control unit must not exceed 50°C.
- The control unit must be accessible.
- A maximum of 2 curves must be laid with the Bowden cable.
- The curve radius of the Bowden cable must not be smaller than 100 mm.

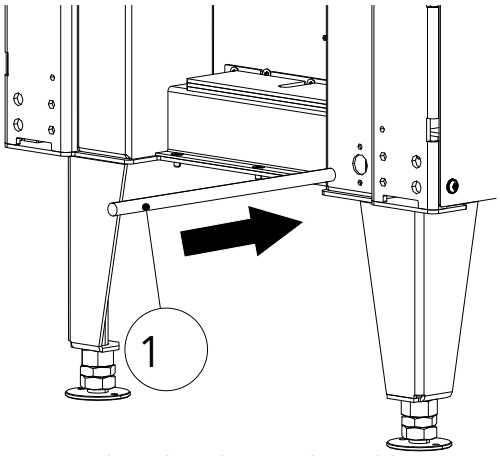


Fig. 56: Threading the Bowden cable

14) Thread the Bowden cable (1) through the Ø16 hole in the fireplace insert.

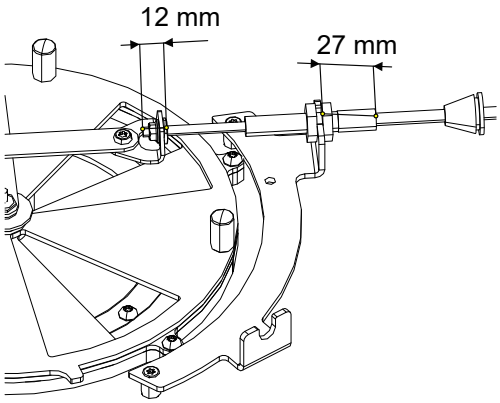


Fig. 57: Connecting the Bowden cable

15) Connect the Bowden cable to the installation kit.
    ⇨ Pay attention to the installation dimensions. The 27 mm and 12 mm dimensions are the same for all the installation kits.

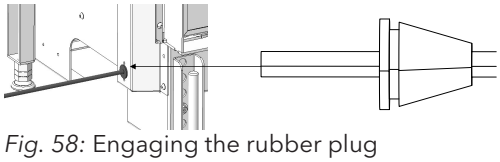


Fig. 58: Engaging the rubber plug

16) Slide the rubber plug far enough into the fireplace insert that the groove in the rubber plug engages.

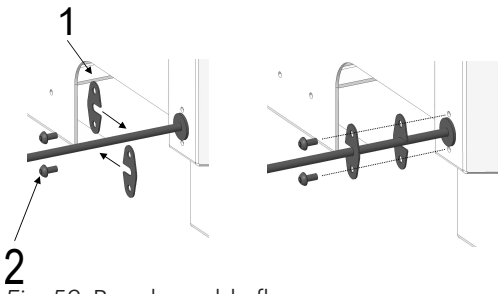


Fig. 59: Bowden cable flange

17) Slide the Bowden cable flange (1) over the Bowden cable once each from left and right.
18) Then use the Taptite screws (2) to screw the two flanges (1) on to the fireplace insert.
19) After screwing in, check whether the rubber plug is firmly seated and correctly positioned all round. After the fireplace insert has been installed, this area will no longer be accessible!

11.2.13.2 InsertControl function test

TIP

Before the fireplace insert is reassembled, a function test should be carried out.

- Make sure that all components are correctly assembled with one another
- Plug the power supply into the socket
- The controller now moves to the maximum positions of the motor (calibration run)
- Wait about 10 minutes after plugging in the power supply and check in that time that the air regulator disc has completely closed and opened
- After the 10 minutes has finished the air regulator disc must be either completely opened or closed (depending on the program set)

TIP

After a successful function test the fireplace insert can be completely reassembled.

Should the air regulator not have completely opened and closed after the 10 minutes has finished, check the following:

- Check whether the installation kit has been installed according to the drawing
- Check whether the screw connections on the air regulator disc might have been excessively tightened
- Check if the Bowden cable is possibly caught or blocked by a foreign body
- Undo the connection between Bowden cable and installation kit
- Check whether the installation kit can be easily adjusted without the Bowden cable
- Check the Bowden cable for contamination. If it is contaminated, clean the Bowden cable. **DO NOT LUBRICATE!**
- Run the function test once more without the control unit being connected to the installation kit. When doing so check whether the shaft of the Bowden cable reaches a distance of 38 mm.

11.2.13.3 How the InsertControl automatic combustion control works

InsertControl reacts only to differences in the flue gas temperature that take pace within certain periods. This information is transmitted by the temperature sensor to the controls. Should the temperature sensor be defective or display a fault, the controls will automatically go into fault mode with 60% shutter opening and no longer changes this position.

Operation

The InsertControl software consists of the following 6 program phases.

- Calibration
- Standby
- Ignition phase
- Combustion phase (air regulator 60 % (Eco) or 80 % (Normal))
- Stoking phase
- Ember phase

Calibration: The calibration (see above) of the controls is carried out when the controls are connected to the mains or the WLAN is changed, but only if the flue gas temperature is below 80 ° C. In the process the control software detects where the positions 0% and 100% shutter opening are on its fireplace insert. After the controls have detected the two maximum positions, they run to the 0% shutter opening (if the correct program has been chosen) and switches into the Standby phase.

This process requires approximately 10 minutes. Should the flue gas temperature be above 80°C, no calibration run is carried out. The controls use the data from the last calibration run that was carried out.

The programming of the controls includes various “Eco” and “Normal” combustion curves. Each of these two modes is available with the “sliding opening” and “sliding closing” function.

Program overview		
Selection wheel	Mode	Function
Position 0	-	Shutter opening, always 60%
Position 1	Normal	sliding opening
Position 2	Eco	sliding opening
Position 3	Normal	sliding closing
Position 4	Eco	sliding closing

Selecting the program

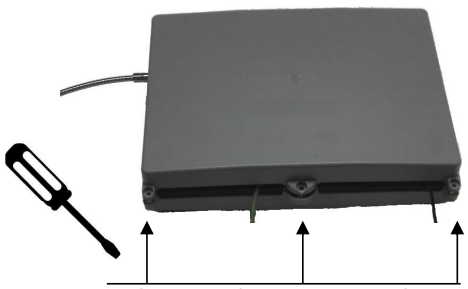


Fig. 60: Unplugging the power supply

1) Remove power supply from the socket.
2) Remove the three screws and open the control unit housing.

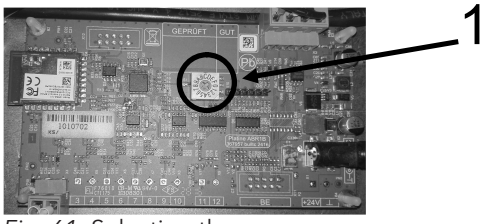


Fig. 61: Selecting the program

On the circuit board is a selector switch (1) that by default is set to position "0".

3) Select program by setting the arrow of the selector switch to position 1, 2, 3 or 4 (see "Program Overview" table.
4) Before closing the controls again, carry out a fresh calibration by plugging the power supply back in.
   ⇨ If you have selected the correct "sliding closing" or "sliding opening" function, after the calibration the controls must complete close the shutter.
   ⇨ Should you notice that you have chosen the wrong program, you can change this in the service menu of the app.

APP

The InsertControl function can be monitored using the app on iOS and Android Smartphones. To do so, first load the "InsertControl" app from the iTunes Store or Google Play on to your Smartphone.

When it is connected to the circuit, InsertControl creates a WLAN with the name "ABR_xxxxxxx" (xxxxxxx = serial number of the controls). You must connect your Smartphone to this network (password: 12345678). After the app is started, the connection is automatically established.

If desired you can then connect the app to another WLAN (in the app's settings menu). Please note that a new calibration run for the controls will then be started.

11.2.14 Mounting the convection cladding

NOTICE

When using CV cladding, please observe the national regulations in respect of individual room fireplaces and the measurement requirement in the case of whole-home heating.

11.2.14.1 CV cladding flat

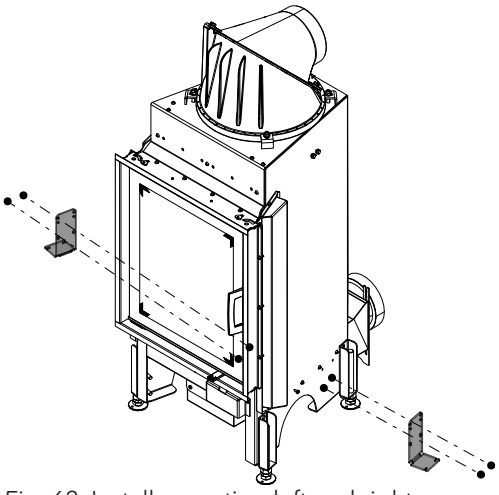


Fig. 62: Install mounting left and right

1) Install mounting left and right on the fireplace insert.
   ⇨ When doing so, note the different positions of this bracket for the different versions of the fireplace inserts in the following illustrations.

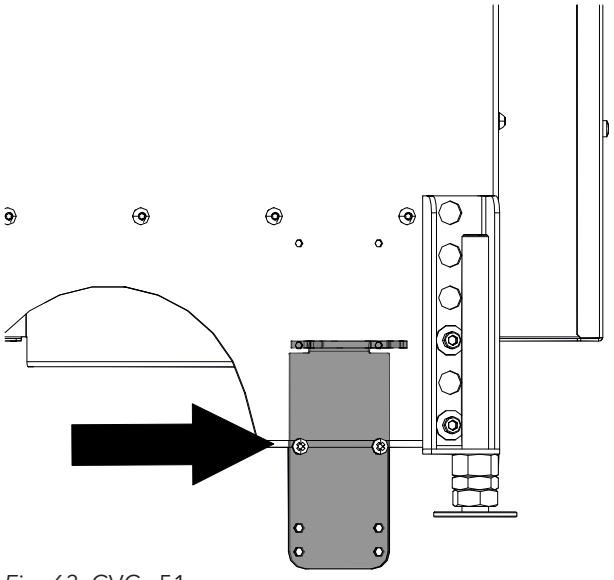


Fig. 63: CVC x51

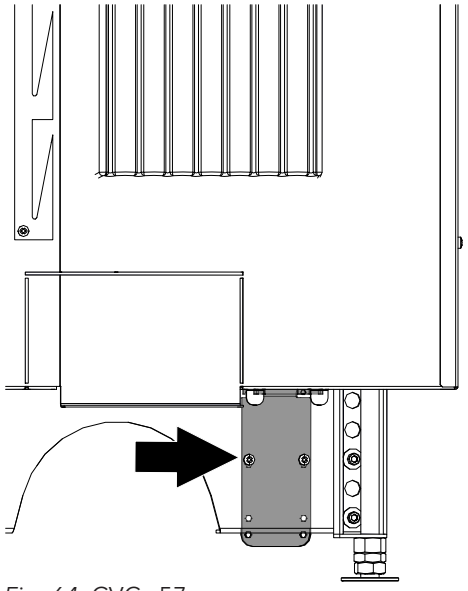


Fig. 64: CVC x57

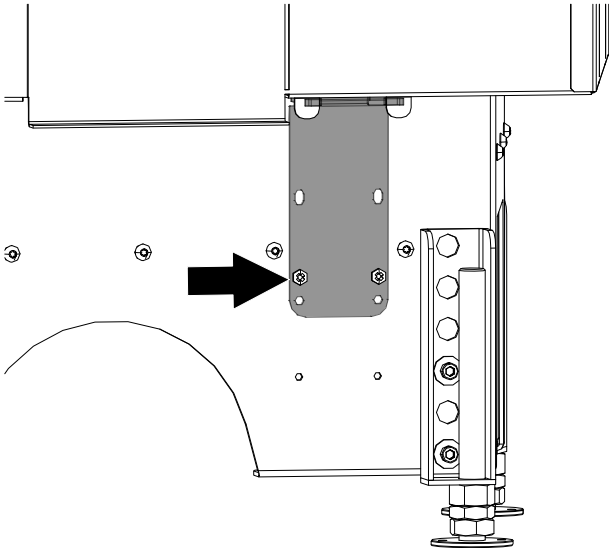


Fig. 65: CVC x68

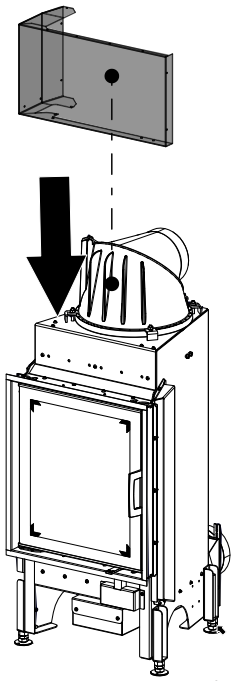


Fig. 66: Mounting the CV wall in front

2) Mount the CV wall in front.

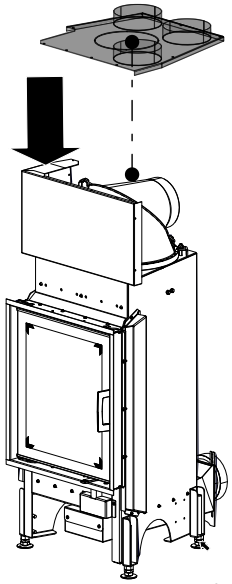


Fig. 67: Mounting the CV cover

3) Mount the CV cover.
   ⇨ If necessary, use a saw to remove the perforated cut-out on the cover.

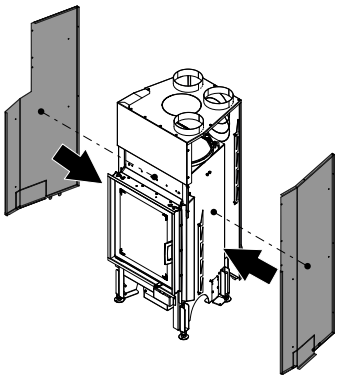


Fig. 68: Attaching CV wall right and left

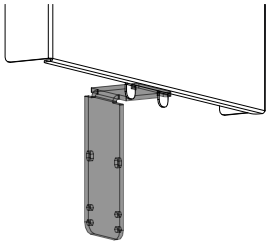


Fig. 69: Engaging CV wall right and left

4) Attach and engage the CV wall right and left to the mountings.

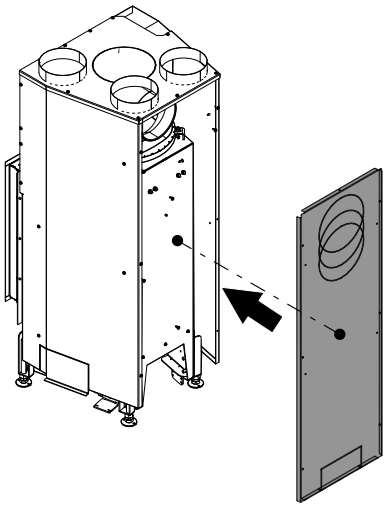


Fig. 70: Mounting the CV wall at the back

5) Mount the CV wall at the back.

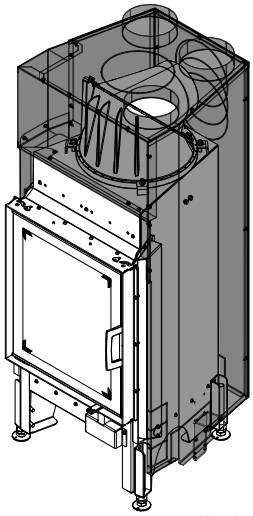


Fig. 71: CVC installed

11.2.14.2 CV cladding KII

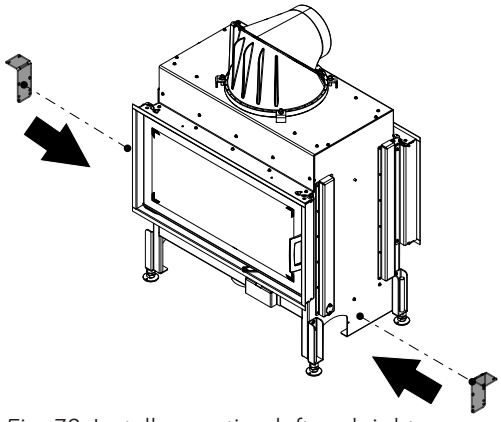


Fig. 72: Install mounting left and right

1) Install mounting left and right on the fireplace insert.

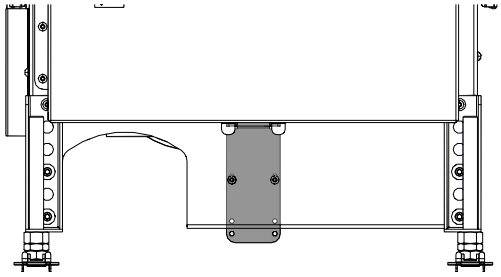


Fig. 73: CVC 45x51 KII

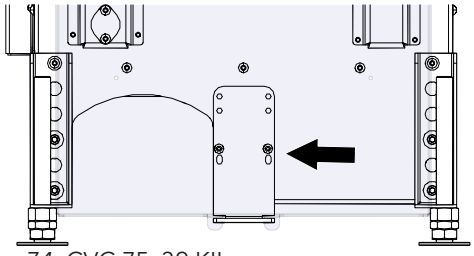


Fig. 74: CVC 75x39 KII

2) Mount CV wall at the top (front + rear).

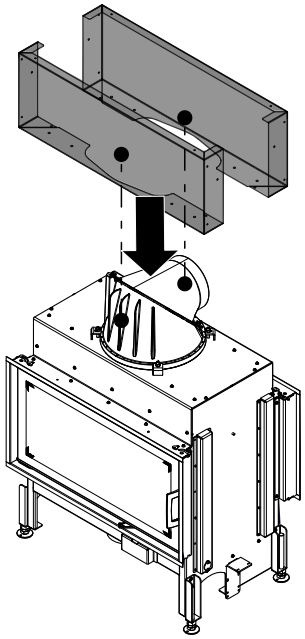


Fig. 75: Mounting CV wall at the top (front + rear)

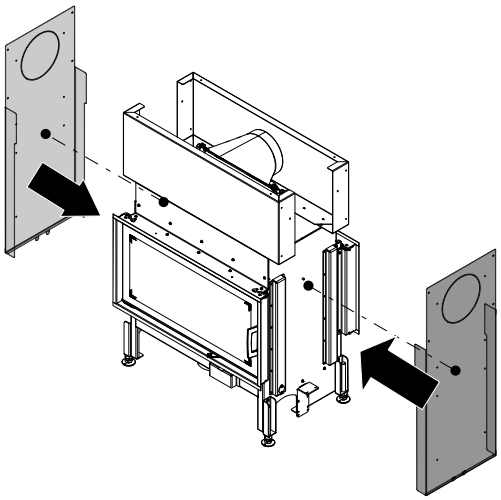


Fig. 76: Attaching CV wall left and right

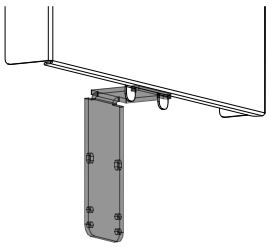


Fig. 77: Engaging CV wall left and right

3) Attach and engage the CV wall left and right to the mounting.

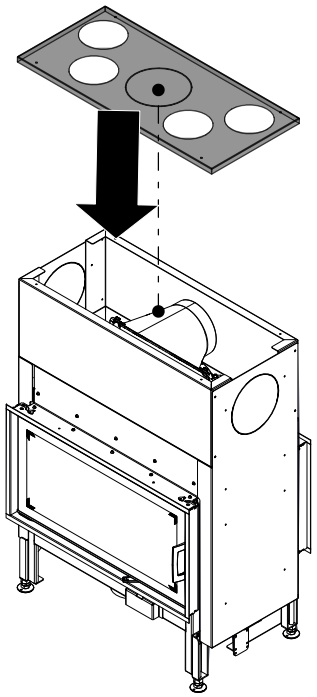


Fig. 78: Mounting the CV cover

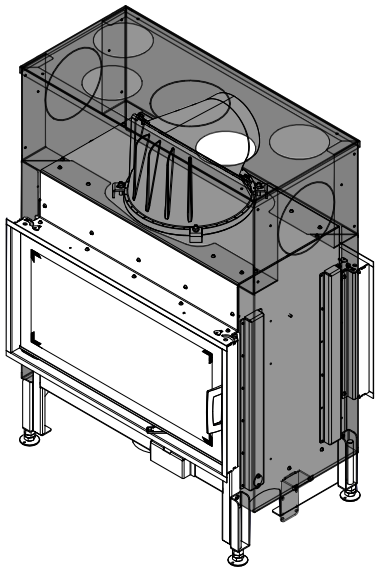


Fig. 79: CVC installed

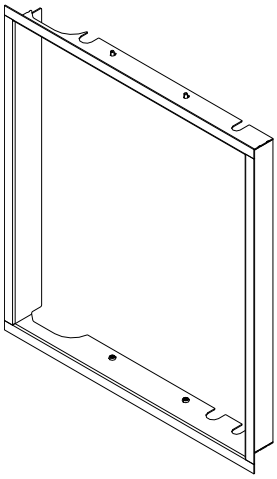
4) Mount the CV covers.
   ⇨ If necessary, use a saw to remove the perforated cut-out on the cover.

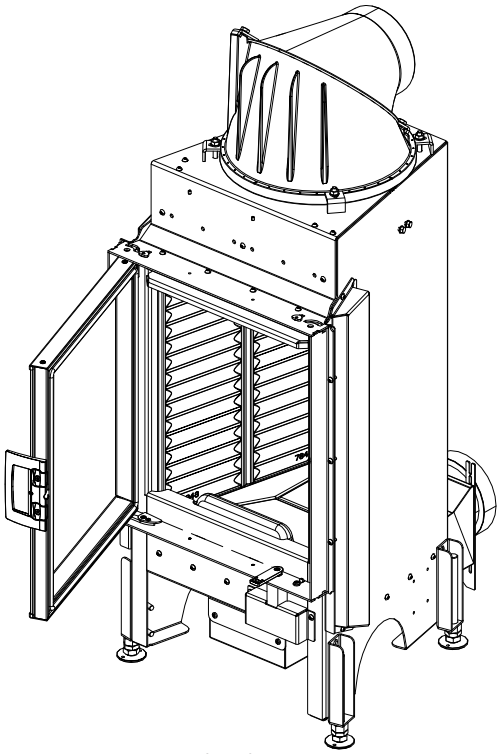
11.2.15 Mounting the designer frame

NOTICE

Design frames must not be plastered over nor walled in.

11.2.15.1 Hinged design frame, flat





1) Open door.

Fig. 80: Opening the door

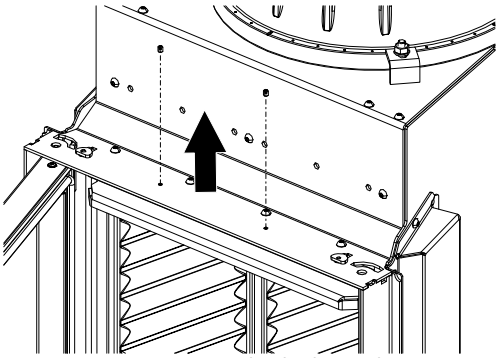


Fig. 81: Screwing out the bolts at the top

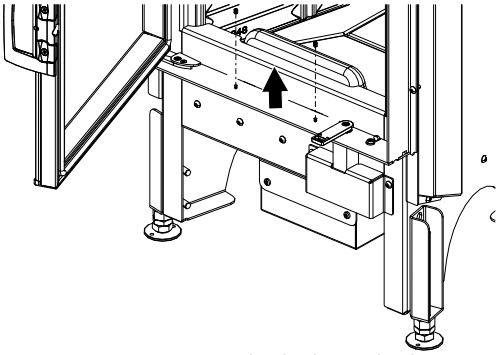


Fig. 82: Screwing out the bolts at the bottom

2) Screw out the four bolts (top and bottom).

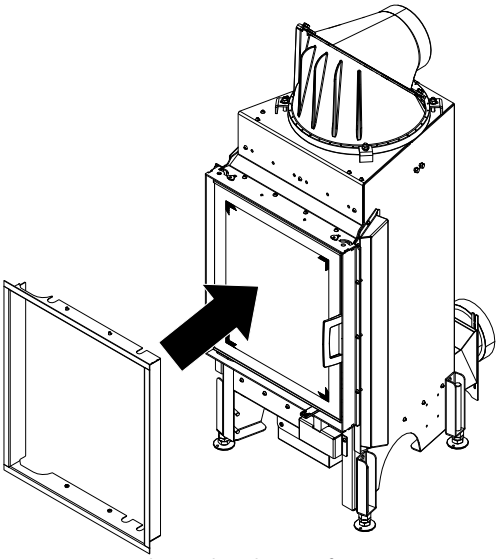


Fig. 83: Attaching the design frame

3) Close door.
4) Attach design frame.

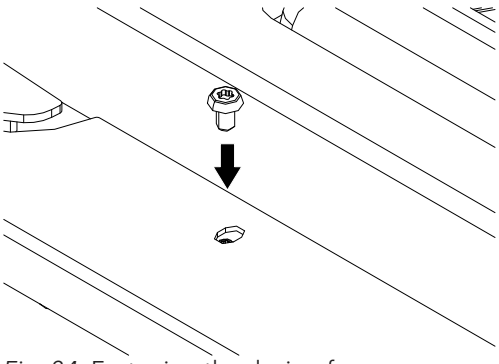
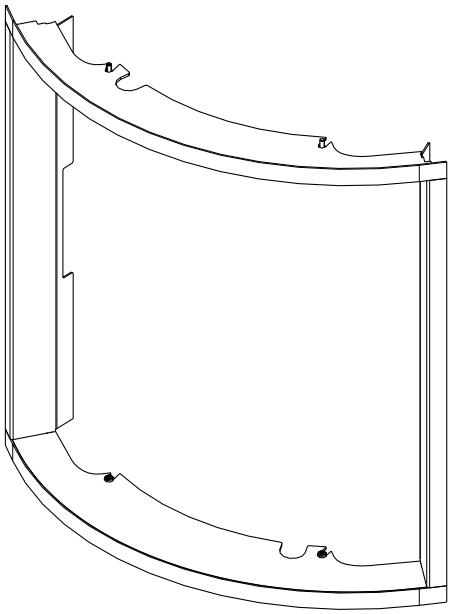
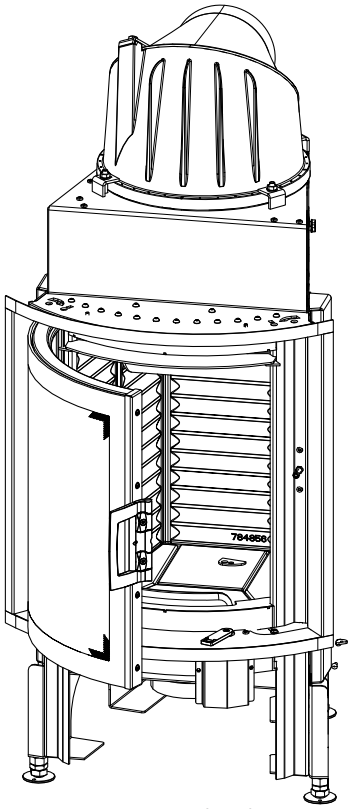


Fig. 84: Fastening the design frame

5) Open door.
6) Mount the screws from inside (top and bottom) and fasten design frame.

11.2.15.2 Design frame 45x 51 Kr





1) Open door.

Fig. 85: Opening the door

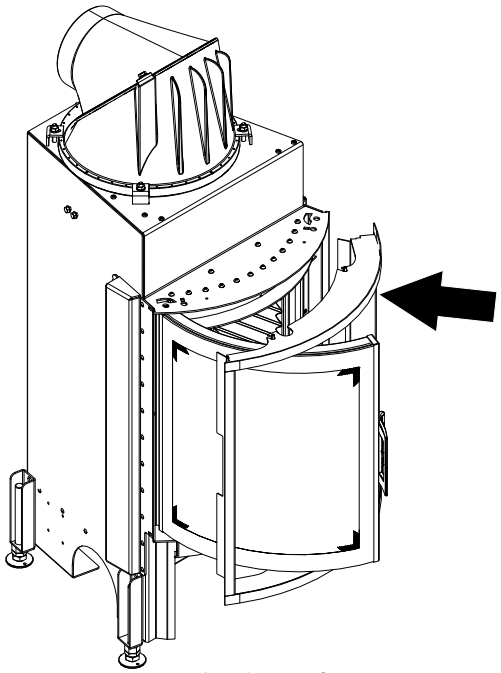


Fig. 86: Inserting the design frame

2) Insert design frame as shown.

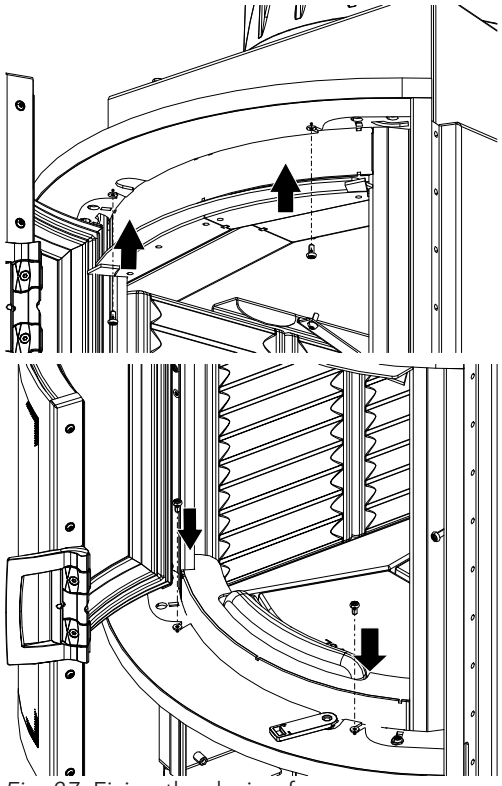
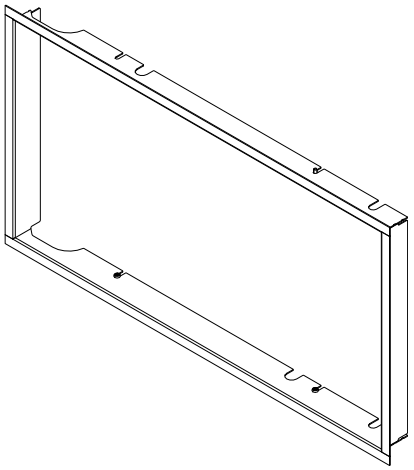


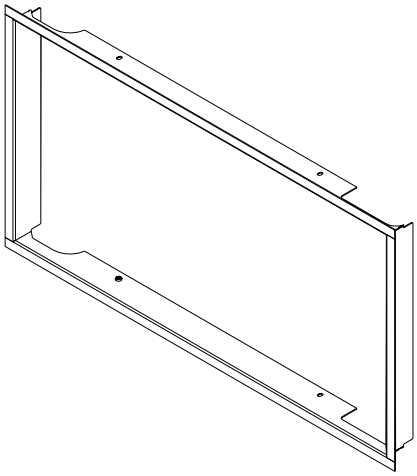
Fig. 87: Fixing the design frame

3) Fix design frame from inside (top and bottom).

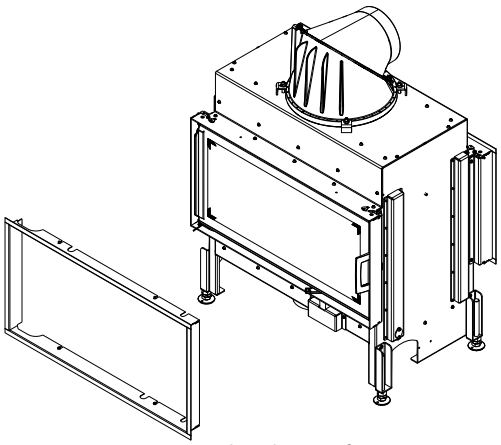
11.2.15.3 Design frame 75x39 KII / 45x51 KII



Design frame front



Design frame back



Instructions are shown using 75x39 KII. Mounting 45x51 KII is the same as this.

1) Position design frame on the door.

Fig. 88: Positioning the design frame

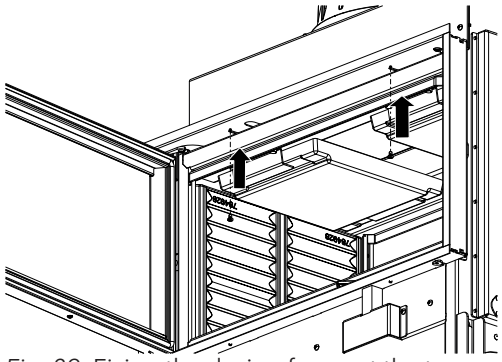


Fig. 89: Fixing the design frame at the top

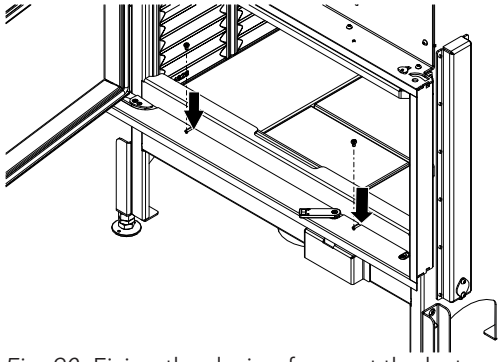


Fig. 90: Fixing the design frame at the bottom

2) Open door.
3) Fix design frame inside (top and bottom).

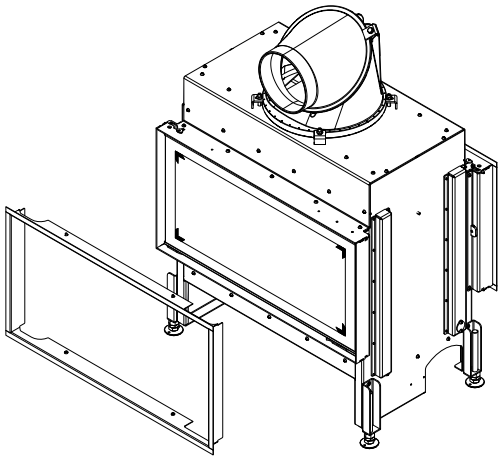


Fig. 91: Positioning the design frame on the back

4) Position the design frame on the back.

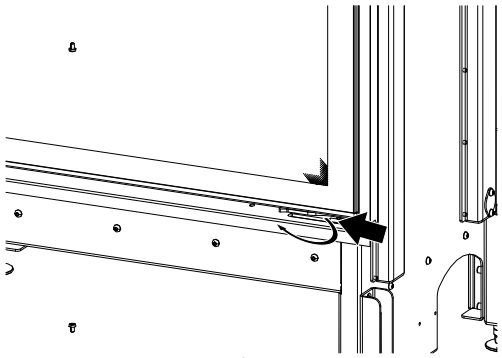


Fig. 92: Opening up the spring.

5) Open up the spring illustrated.

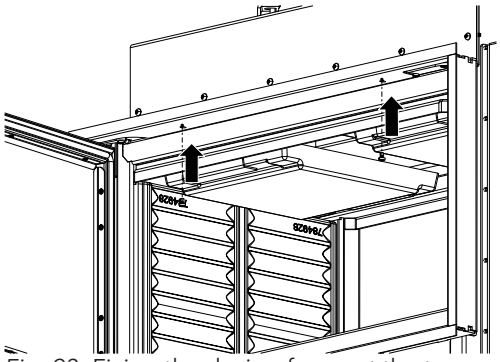


Fig. 93: Fixing the design frame at the top

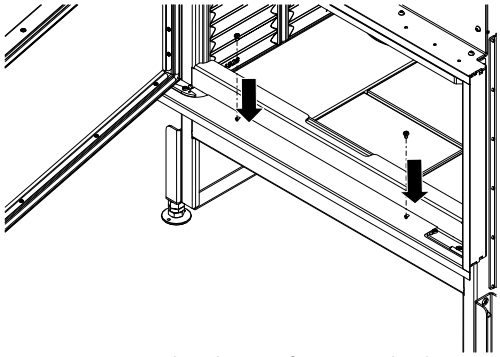


Fig. 94: Fixing the design frame at the bottom

6) Fix design frame from inside (top and bottom).

11.2.16 Mounting the support frame

NOTICE

Please note that the support frame must not lie on top of the fireplace insert. It must be bricked into the wall.

11.2.16.1 Support frame 45x, 55x, 65x, 75x

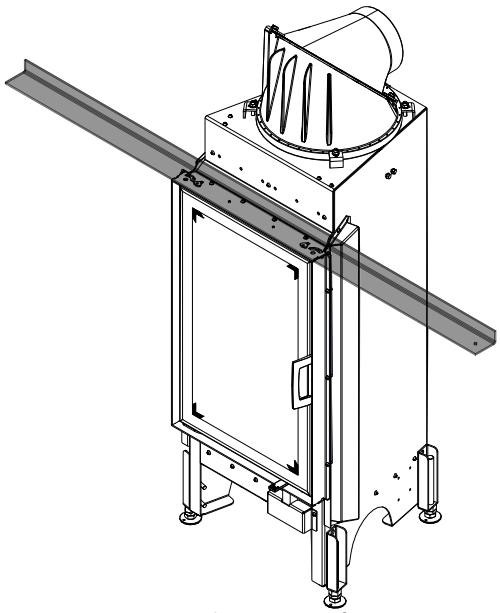


Fig. 95: Mounting the support frame

The length of the supporting frame is shortened, depending on the model. The supporting frame is laid on the side masonry, and no extra anchorage is required.

The supporting frame is used so that the weight of the wall or similar does not bear on the fireplace insert.

11.2.16.2 Support frame 45x, 55x, 65x, 75x Kr

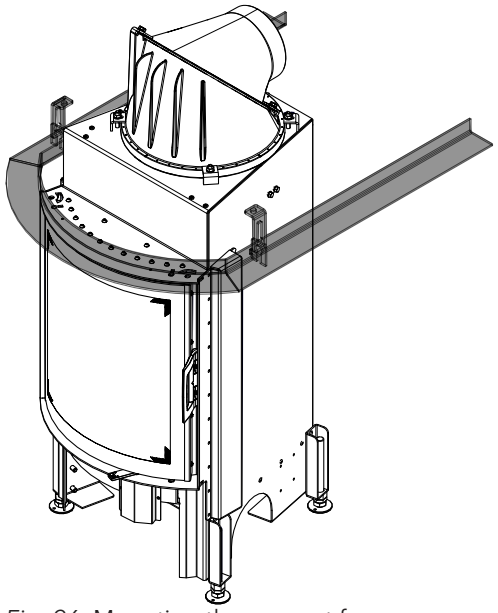


Fig. 96: Mounting the support frame

11.2.17 Installing the ash box

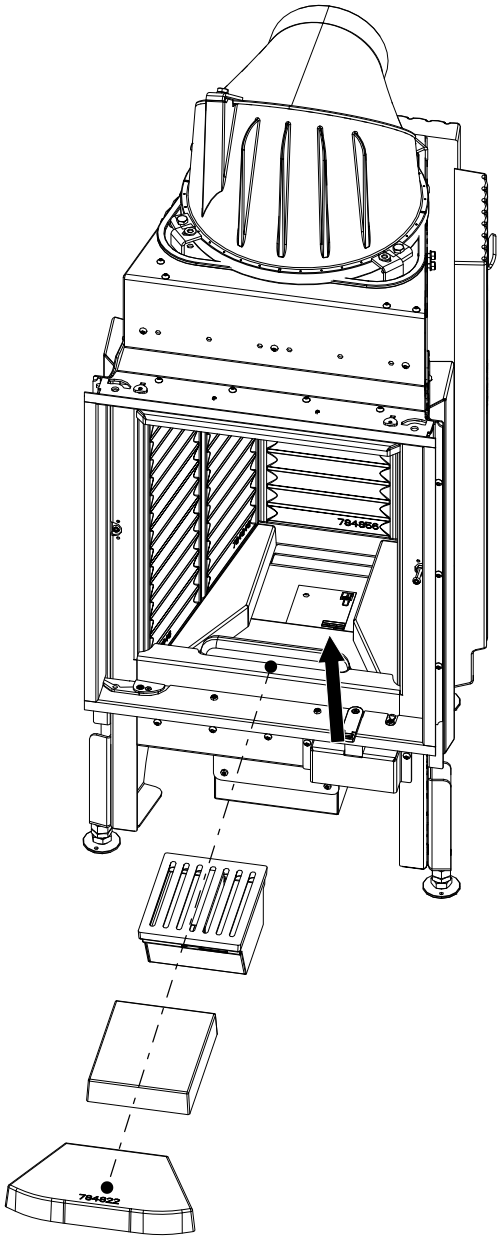


Fig. 97: Inserting the ash box

1) First, remove the Keramott blocks.
   ⇨ If there should already be an ash box in the fireplace insert, this must first be removed.
2) Place the cover on the ash box.
3) Turn the cover handle by approx. 45° and remove the ash box.
4) Place the cover on the new ash box and place everything back in the fireplace insert again.
5) Turn the cover handle back again and remove the cover.
6) Place the plate grate on the ash box and reinsert the Keramott blocks.

12 Settings

12.1 Adjusting the door

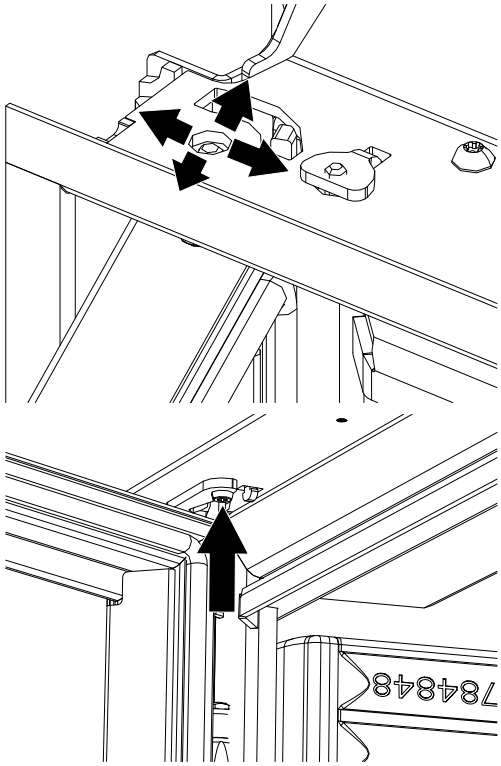


Fig. 98: Adjusting the door

1) Loosen the screws and move the bolt sideways to adjust the door tilt angle.
2) The seal pressure can also be adjusted.
3) Tighten the screws again.

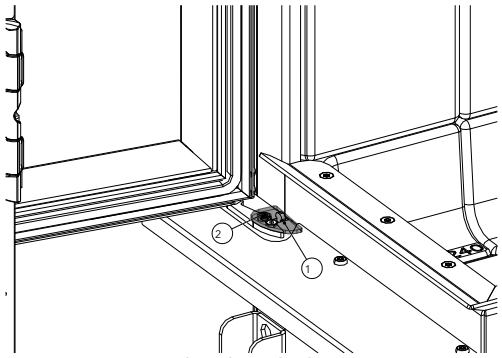


Fig. 99: Setting the door below

4) The door goes below, set with the same screw. If the cover (1) is mounted, it must first be dismounted. Undo the screw of the cover and take off the cover.
5) Loosen the screw (2) and use the plate to correctly set the door tilt angle.
6) Remount the cover (1).

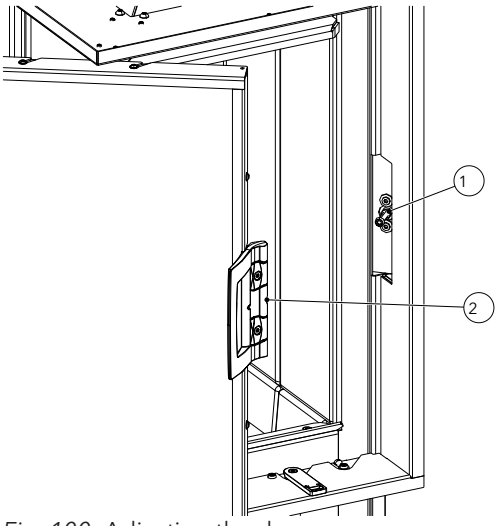


Fig. 100: Adjusting the door

✓ The screw (1) must be set in the centre so that the door seals properly and the notch on the handle engages properly (2).

7) The adjustment for the screw at the screw (1) can be made using the screws and the plate.
8) Check that the screw (1) correctly engages the notch (2) and that the door is tightly closed. Should this not be the case, repeat the previous step and correctly adjust the screw (1).

12.2 Adjusting the smoke collector

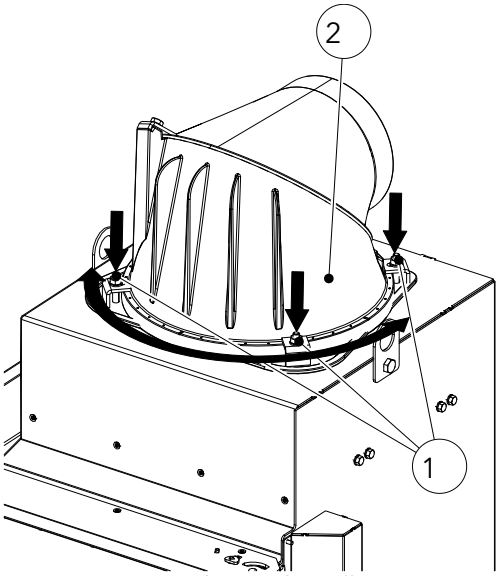


Fig. 101: Turning the smoke collector into the desired position

1) Loosen screws (1).
2) Turn the smoke collector (2) in order to bring it into the desired position.
3) Tighten screws (1) fully.

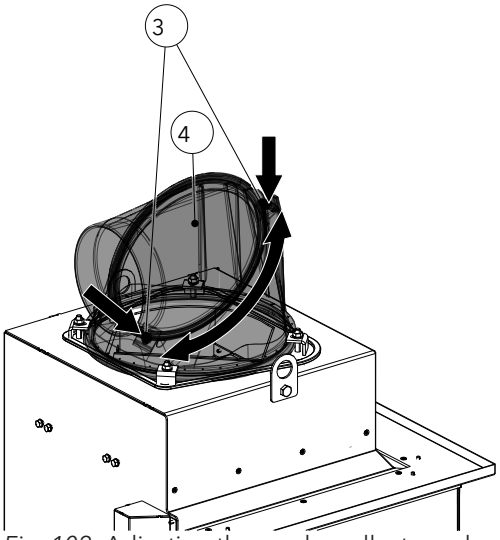


Fig. 102: Adjusting the smoke collector collar

4) Loosen screws (3).
5) Turn the smoke collector collar (4) in order to bring it into the desired position.
   ⇨ This allows any desired angle to be achieved by turning the exhaust collar (4).
   ⇨ All the necessary seals are already glued into the cast parts.
6) Tighten screws (3) fully.

13 Commissioning

13.1 Initial Commissioning

Removing the ash box cover

✓ Before the fireplace insert is put into operation for the first time, it is vital that the cover of the ash box is removed from the fireplace insert. Proceed as follows: (for a better understanding, see also steps 1 and 2 in the section Emptying the ash box).

1) Open the door.
2) Take out the grate.
3) Take off the cover and lift it up.
   ⇨ Cover is inserted incorrectly when delivered.
   ⇨ You need the cover when you empty the ash box.
   ⇨ To empty the ash box we refer you to the section Emptying the ash box.

✓ The initial commissioning of your fireplace insert should take place 4 weeks at the earliest after completion of the cladding, so that all cladding parts are able to dry out completely.

4) Remove all enclosed documents and appliance parts from the fireplace insert.
5) Read the operating manual through carefully before the initial commissioning.
   ⇨ For optimally lighting we refer you to the section Lighting [▸on page 131] explained.
   ⇨ During the first fire after the system has been completed, this should be kept very small in the first hour and only gradually increased by increasing the amount of wood laid. However the amount of wood laid per hour must not be exceeded in the process.
   ⇨ The odours during the first fire are caused by the evaporation of sheet metal greases and binding agents from the varnishing. Although unpleasant, these fumes are completely non-toxic. We therefore recommend that you well ventilate the room for the first few fires.

NOTICE

To avoid damage you must **NEVER** operate your fireplace insert a greater quantity of fuel than that specified in this manual!

14 Operation

14.1 Controls

The appliance series is characterised by being extremely simple to use.

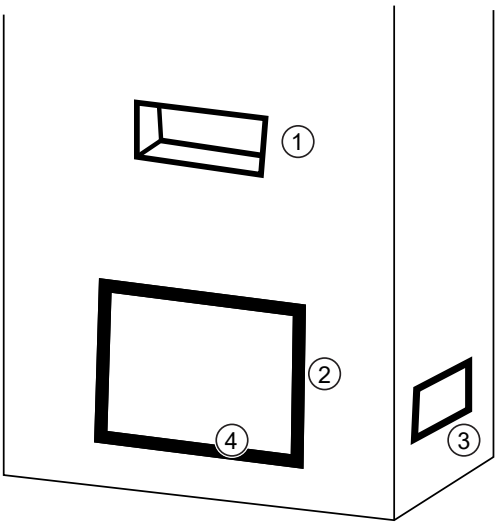
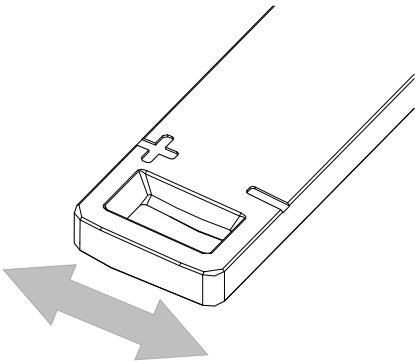


Fig. 103: Operating functions on the appliance

Operation

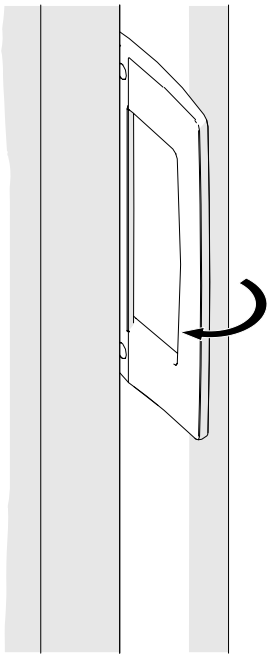
1	Convection outlet
2	Door lock
3	Convection inlet
4	Combustion air controller



Combustion air controller

+	Maximum air feed for fast burning
-	Low heat output
I	Average heat output

Door lock - hinged door



Unlocking

1) Press lock outwards
   ⇨ Door frame is unlocked.
   ⇨ Swing door out.

Locking

2) In the open door position (opening angle > 20°), release folding handle.
   ⇨ Door frame closes by itself and the appliance is ready for use.

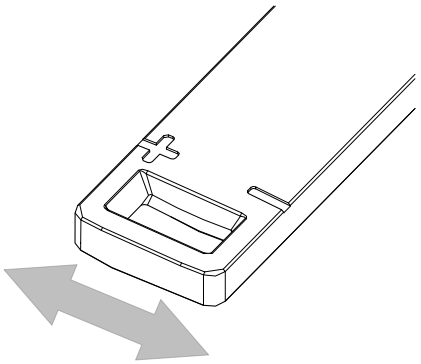
14.2 Before heating up

The stove can only function properly if there is sufficient combustion air coming to the room of installation (the appliance), specially if several firing installations are being operated at the same time. Ensure sufficient air supply before heating up. Open the combustion air flap on the appliance and keep it open for the entire combustion period.

Devices for the supply of combustion air must not be modified.

14.3 Firing

To ensure the heating appliance operates correctly and safely, it is important that the chimney generates the required draught. This must be checked in particular for each initial commissioning (e.g. after summertime) and in the transitional periods (e.g. strong wind, fog, etc.). For this purpose, hold a lighted match or cigarette lighter flame to the opened firehole door. If the flame is not drawn into the opening, lift must be created in the chimney by a strong generation of heat (e.g. by paper or kindling). If this does not succeed, then the stove must not be started up!



1) Turning the combustion air controller regulator completely to the left to the “+” position

2) If there is a throttle valve, open it fully.

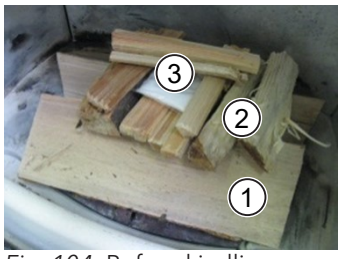
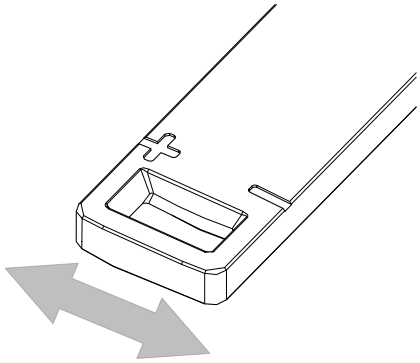


Fig. 104: Before kindling

3) Lay 2-3 pieces of log (1) (beech, oak, birch) across the bottom of the firebox.
4) Finely split softwood above it (2).
5) Place a firelighter (3) in the middle and light it.
   ⇨ Never use petrol, spirit or similar for ignition!

1	Firewood
2	Softwood
3	Firelighter

6) As soon as the logs have burned well all around after a few minutes, close the combustion air controller by approx. 50% (bring the regulator to the middle position) or close the throttle valve, if available, by 50% (handle to the left).



14.4 Heating

1) Combustion air damper maximum 50 % opened (regulator to middle position). Otherwise the amount of fuel laid burns off too quickly and the temperatures on the appliance become too high.
2) Throttle valve, if present, 50 % opened. Otherwise the amount of fuel laid burns off quickly.
3) Completely open all available warm air grilles.
4) If there are only embers left in the firebox, stoke up.

14.5 Putting on wood

Please note that the fireplace inserts are not slow-burn fires. These are temporary-burning fires, i.e. longer continual operation is achieved through repeated stoking up.

No loose or easily flammable items of clothing should be worn when laying the fire.

The right time for stoking up has come when the fuel has burnt down to the ember phase. Further deposits of wood are then generally no longer necessary.

Putting more wood on:

1) Fully open air control lever.
   ⇨ This prevents any eddies that would allow flue gases to escape. If there is one, fully open the throttle valve.
2) Fully open throttle valve.
3) Slowly open door.
4) Put wood on.
5) Close doors.
6) When the wood is burning properly, close the air control lever back to about ½ position and close throttle valve again up to 2/3 (turn to the left).

14.6 Heating in the transition period

In the transition period, i.e. during high external temperatures, a sudden temperature rise can disrupt the chimney draft so that the fuel gases are not completely drawn off. In this case the appliance must be filled with smaller quantities of fuel and operated with the air damper/-controller on a higher setting so that the available fuel combusts more quickly (with a flame developing) and the chimney draft stabilized as a result.

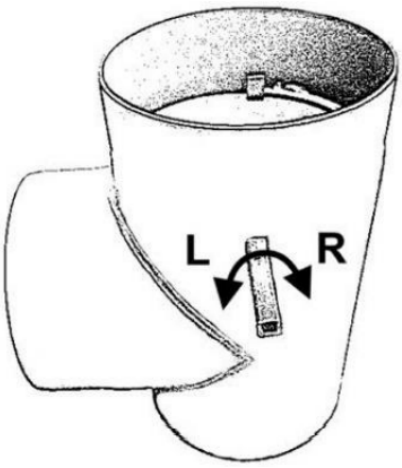
TIP

To prevent resistance in the firebed, the ashes should be removed more frequently.

14.7 Heating with the ceramic flue (heat recovery surface)

If your system is fitted with a ceramic flue (or with a metal heat recovery surface), the the following must be observed during heating operation:

- During heating operation via the heat recovery surface, the firebox door must not be opened (escape of exhaust gas). When putting more wood on, the deflection flap must first be opened. Only then can the firebox door be opened.



- The deflection of the fuel gases via the heat recovery surface can take place 15 minutes at the earliest after firing. Otherwise there is the danger of an uncontrolled escape of exhaust gas above the door frame.
  - Turn to the left -> opens flap`
    fuel gases are routed directly into the chimney. In this position the firebox door can be opened.
  - Turn to the right -> closes flap
    fuel gases are routed directly via the heat recovery surface. This can only take place with the firebox door closed.

14.8 Operation

We would particularly like to point out at this point that Austroflamm fireplace inserts must only be operated with doors closed. The best efficiency and thus optimal fuel efficiency is achieved in closed operation.

15 Maintenance

Have the maintenance carried out by an Austroflamm dealer.

16 Cleaning

16.1 Cleaning fireplace insert, fuel gas flues

Fireplace insert & fuel gas flues (if present) must be cleaned at least 1 x per year in order to guarantee economic and trouble-free operation. Ceramic and metal fuel gas glues are cleaned via the cleaning openings provided for this purpose. The necessary work should be carried out by the manufacturer of the system or an appropriate specialist company. For this purpose the conclusion of a maintenance contract is recommended.

The chimney must likewise be regularly cleaned by the district master chimney sweeper. The latter will inform you of the necessary intervals.

16.2 Emptying the ash box

- On a regular basis and in good time (at least 1 x per week) remove the ashes from the firebox.
  - If the firebox is not regularly cleaned of ash then there is a danger that the combustion air openings become blocked and the appliance suffers damage.

To remove the ashes, proceed as follows:

NOTICE

Please note that when removing the ashes, embers could be in the firebox. Remove ashes only when the fireplace insert is in a cold state.

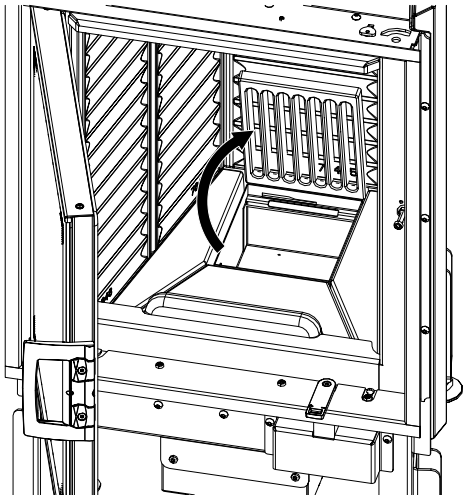


Fig. 105: Taking out or opening the grate

1) Open the door.
2) Take out or open the grate

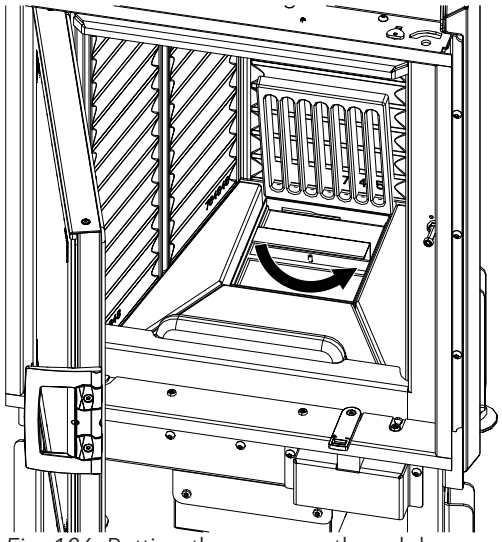


Fig. 106: Putting the cover on the ash box

3) Take the supplied cover and use it to cover the ash box.
4) Turn the handle of the lid until the handle engages.

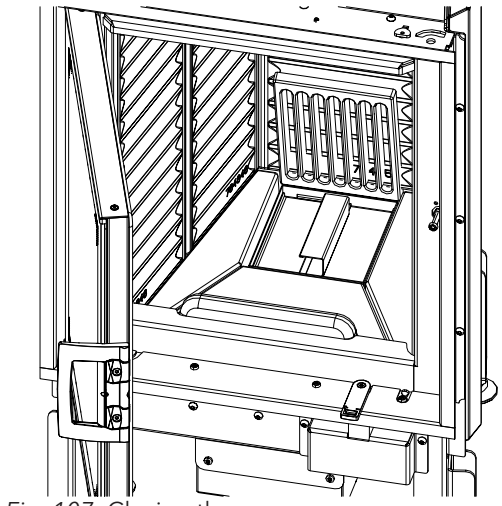


Fig. 107: Closing the cover

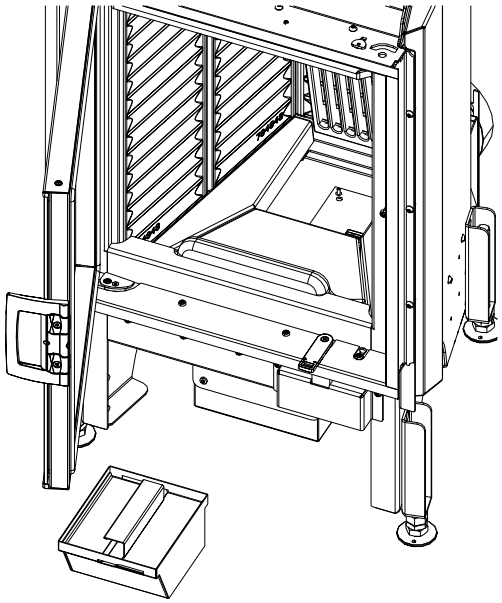


Fig. 108: Removing and emptying the ash box

5) Remove the ash box from the fireplace insert and empty it.
6) Reinsert the ash box after emptying it.
7) Turn the handle of the cover anticlockwise.
8) Take the cover off the ash box.
9) Close the grate again.

16.3 Cleaning the door window

During cleaning and maintenance, the glass must also be cleaned. If it is not regularly cleaned then the soot particles may end up being burned in. This makes regular maintenance all the more important.

- We recommend cleaning the glass with our Austroflamm glass cleaner or a commercially available window cleaner.
- Spray window with glass cleaner and leave it for a moment to take effect.
- Use a cloth or kitchen paper to wipe off.
- Prevent door- or window seals from coming into contact with water or cleaner, since these will otherwise harden and in doing so lose their function. Only intact seals ensure that your fireplace insert functions flawlessly.

This will damage the pane
Abrasive cleaning agents or coarse scouring cloths should not be used for cleaning as the glass as they can cause scratching. This does not only affect the appearance, but at the same time light dust and dirt can also accumulate in the scratches.

16.4 Cleaning surfaces

- Surfaces can be cleaned with a dry or slightly damp cloth.
- Use of alcohol- or solvent-based cleaning products is to be avoided.
- Varnished surfaces may only be cleaned with a soft cloth (if necessary damp).
- Soak up dissolved dirt with absorbent cloths or household paper.
- For stainless steel surfaces there are also special cleaners.

17 Help

Problem	Cause	Solution
The glass window is sooty	Inadequate chimney draft or possibly too high	from time to time (depending on use) the window must be cleaned with glass cleaner Clarification with chimney sweeper (poss extend chimney/measure draft)
	incorrect operation of the air regulator	It is imperative that the air regulator is operated in accordance with the instructions (if secondary air is closed too far, the glass pane will become sooty very quickly)
	excessively large pieces of log log too damp	Comply with quantity and size according to the instructions
	Operating temperature has not been reached	Use more fuel, dry wood (< 15 % residual moisture), pay attention to air regulation
The chimney is too short	The chimney draft is insufficient	Ask your chimney sweep to carry out a draft measurement
	Exhaust ducts and combustion chamber sooted up	Use more fuel, dry wood (< 15 % residual moisture), pay attention to air regulation
The fireplace insert emits a strong odour and smokes externally	Stove-enamelling phase of the varnish	During the first heating cycles, the varnish hardens and smells in the process
	The fireplace insert surface is dusty/soiled	Keep the surfaces of the fireplace insert clean Keep the floor area clean around the fireplace insert
Flue gas escapes when stoking up and during the heating phase	Chimney draft too low or too strong, flue pipe connection leaky	Check connection points and if necessary reseal Check chimney draft
	Door opened before combusted down to embers	Only stoke up when only embers are present (no more visible flames)
The fire is too weak and/or goes out	Air regulator closed (-)	Air regulator open (+)
	Wood too damp	Are you using dry wood (< 15 % residual moisture)?
	External temperature too high (>15 °C)	
The room is not warm enough	Convection air grille closed	Open convection air grille
	Chimney draft too high	Clarification with chimney sweeper (poss shorten chimney/measure draft)
The fire burns down too quickly and uncontrollably	Air regulator open (+)	Throttle combustion air supply after the operating temperature has been reached in the firebox (+ / -)
	Seals worn	Check whether the seals on the inside of the door are continuous and in working order, if necessary replace
	Firebox door not closed properly	Close the firebox door
	Chimney draft too high	Clarification with chimney sweeper (poss shorten chimney/measure draft)

Problem	Cause	Solution
Ceramic windows become sooty very quickly	Unsuitable wood used	Use dry unrefined wood. See information about this in the Fuel section
	Operating temperature not reached	Bring fireplace insert to the operating temperature
		Sooting up of the window after 8- 10 hours of fires is normal
	Chimney draft too low	Contact chimney sweep

17.1 Firebox lining

The lining of your fireplace insert consists of Keramott, a high-quality material with special combustion properties and an attractive appearance. During or after operation this lining may have superficial hairline cracks, which do not however affect functioning. Replacement of such parts is not required!

17.2 What to do in the event of a chimney fire

If fuel used is incorrect or too moist, then due to deposits in the chimney this may lead to a chimney fire.

1) Call the fire department and the district master chimney sweep!
2) Enable access to the cleaning openings (e.g. basement and attic).
3) Remove all flammable material from the chimney.
4) Inform your district master chimney sweeper before recommissioning your fireplace insert and have your chimney checked for any damage.

17.3 What to do in the event of faults

Should faults occur on the fireplace insert, your dealer will require the following details:

- Serial number and appliance model as per the nameplate
- Original invoice (date of sale)

18 Spare parts

Spare parts can be ordered through our dealers.

For ordering spare parts, it is necessary to provide the type plate picture or data from the type plate of your fireplace insert. This guarantees proper spare parts for your specific fireplace insert.

19 Dismantling

For correct uninstallation and dismantling of the fireplace insert, contact your Austroflamm specialist dealer.

20 Disposal

NOTICE

To dispose of the fireplace insert properly, get in touch with the local (possibly municipal) waste disposal company.

NOTICE

We recommend that you remove those components of the fireplace insert which have been in contact with fire such as window, combustion chamber, grates, firebox lining (Keramott), ceramic, sensors and baffle plates and dispose of them in the household waste.

NOTICE

For correct uninstallation and dismantling of the fireplace insert,, contact your Austroflamm specialist dealer.

Electric and electronic components

Remove the electric and electronic components from the appliance by dismounting them. These components must not be disposed of via non-recyclable waste. Disposal should be carried out professionally via the electrical and electronic waste return system.

Keramott

Remove Keramott components. If present, fastening elements must be removed beforehand. Keramott components that have been in contact with fire or flue gas must be disposed of. Reuse or recycling is not possible. Local disposal options must be observed.

Steel sheet

Disassemble steel-sheet components of the appliance by mechanical crushing. If present, remove seals beforehand. Dispose of steel sheet parts as metal scrap. Local disposal options must be observed.

Cast iron

Disassemble cast-iron components of the appliance by unscrewing or flexing them from one another, or alternatively by mechanical crushing. If present, remove seals beforehand. Dispose of the cast-iron parts as metal scrap. Local disposal options must be observed.

Natural stone

Mechanically remove any natural stone present from the appliance and dispose of it as construction waste. Local disposal options must be observed.

Fittings etc. (for water-carrying appliances)

Disassemble the components for carrying water by unscrewing and removing them and dispose of them as metal scrap. Local disposal options must be observed.

Seals (glass fibre)

Mechanically remove the seals from the appliance. These components must not be disposed of via non-recyclable waste.as glass fibre waste cannot be destroyed through burning. Dispose of seals as glass- and ceramic fibre waste (artificial mineral fibres (AMF)). Local disposal options must be observed.

Handles and decorative elements made of metal

If present, disassemble or remove handles and decorative elements made of metal and dispose of as metal scrap. Local disposal options must be observed.

21 Guarantee and warranty

1) **Warranty statement:** For your AUSTROFLAMM fireplace insert, we guarantee the flawless performance of the body for six years, and of all other steel and cast iron components for two years from the date of first sale.

   Steel and cast-iron parts that manifest material- and or processing defects during the guarantee period (warranty case) will be replaced for new parts provided that the warranty case has been asserted to the best of the holder's knowledge within the statutory warranty period. Functional problems with electronic accessories (e.g. Insert Control automatic air control) shall only justify a warranty claim for the particular accessory.

   Our warranty only covers the free delivery of the new parts: work- and travel times are not recorded.

2) **Exceptions:** We do not provide a guarantee on wear parts (e.g. Keramott, seals and grate), surface coatings, varnish, glass and ceramics. In the case of such defects no warranty case has occurred .

   When heating up, during operation and when cooling down, your fireplace insert may produce some noise (crackling, soft clicking). This is caused by the various materials expanding and contracting under the influence of temperature in your fireplace insert. Noise of this kind does not constitute a warranty claim and do not constitute a warranty claim.

   The territorial scope of validity of our guarantee covers Austria and Germany. In all other countries, separate conditions of the importer apply to the respective country.
   No warranty case occurs if your Austroflamm fireplace insert is not located within the territorial scope of validity, which does not change if it is transported or dispatched by Austroflamm."

3) **Requirements:** A warranty case shall only then be replaceable if your Austroflamm fireplace insert has been operated, maintained, installed and commissioned by a specialist authorized by Austroflamm, all in compliance with the user handbook. For the replaceability of the warranty case the start-up log must be received by Austroflamm within one month at the latest of the initial commissioning. In order to make a claim on the warranty, repairs to your fireplace insert must only be carried out by a service engineer authorized by Austroflamm.

   The warranty claim is asserted with the invoice and serial number with the Austroflamm specialist dealer via whom the purchase was made. An unjustified warranty claim will be charged back to you.

4) **Guarantee:** This guarantee does not affect your statutory warranty rights towards us. Should your Austroflamm fireplace insert already be defective at the point of handover, you can always connect us within the framework of the statutory warrant regardless of whether there is a warranty claim or the guarantee is claimed.

22 Start up log

Operator / Customer	Dealer / Engineer
Name	Company
Street	Street
Town and postal code	Town and postal code
Telephone	Telephone
Email	Email

Fireplace insert	Working	Comments
Model		
Serial number		
Technology		
Visuals		
Accessories		

On-site conditions	
Type of chimney [ ] brick [ ] stainless steel [ ] firebrick	Flue pipe diameter:
Chimney diameter:	Draft: Actual value: Target value: >12 Pa
Chimney height:	Outside temperature during draft measurement:
Controlled living space ventilation [ ] yes [ ] no	External air supply conduit [ ] yes [ ] no

Instructions for Operator / Customer			
Instructions for handling the appliance explained clearly and comprehensibly		Appliance test heated together with the customer	
Terms of the guarantee and warranty explained		Cleaning and maintenance interval explained	
[ ] glove [ ] user instructions handed over			

The customer confirms that the fireplace insert has been handed over in a fully functional state and free of defects.

Place, date	Signature Operator / Customer	Signature Technician

23 Service Report

Date	Technicians	Notes	Work carried out, replacement parts installed

Date	Technicians	Notes	Work carried out, replacement parts installed

AUSTROFLAMM GMBH
Austroflamm-Platz 1
A- 4631 Krenglbach

Tel: +43 (0) 7249 / 46 443
www.austroflamm.com
info@austroflamm.com

AUSTROFLAMM

360100 - 360041 - 360003 - 360101 - 360102 -
360106 - 360107 - 360110 - 360111 - 360112 -
360125 - 360137 - 360117 - 945041