



VISIO GAS

BALANCED FLUE PIPE MANUAL (GB)

Ø130/200

RAIS[®]
ART OF FIRE

| **attika**[®]
FEUERKULTUR

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INTRODUCTION TO BALANCED FLUE PIPE MANUAL

The manual provides a detailed description of how to connect built-in gas fireplaces to a balanced flue pipe system.

The balanced flue pipe manual covers built-in gas fireplaces (Visio Gas) from RAIS and Attika.

A balanced flue pipe system consists of pipes with an outer and inner pipe. The outer pipe acts as an intake channel, bringing fresh air from outside for the combustion process, while the inner pipe efficiently removes the exhaust gases.

A balanced flue pipe system contributes to a safer and more efficient operation of the gas fireplace and does not affect the house's pressure or air quality.

The chimney for a gas fireplace should be installed in accordance with this exhaust manual to ensure correct and safe operation. Follow all instructions carefully to achieve optimal performance and avoid any issues with the exhaust system.

FOUR DIFFERENT FLUE PIPE SYSTEMS

The manual is divided into four different exhaust systems. The installation solutions are:

- Vertical terminal through a roof
- Vertical terminal along an outer wall
- Horizontal wall terminal with snorkel
- Vertical terminal for an existing chimney

This manual describes the most common variations of these four solutions. It's worth noting that there may be several different variants of each solution available.

The manual provides examples of solutions for each of the four flue pipe systems.

To achieve the best solution for your gas fireplace, it is recommended to carefully follow the instructions in the manual and consult with a professional technician for further guidance if necessary.

FIND PART NUMBERS FOR SPARE PARTS

There is an overview of exhaust parts for gas fireplaces at the back of the flue pipe manual. The manual continuously references part numbers for examples of solutions for the four exhaust systems.

Find spare parts with part numbers starting from page 36.

HOW TO USE THIS MANUAL

This manual provides you with step-by-step instructions and guidelines for the installation of a balanced flue pipe system.

Please note that this manual is an essential part of the gas fireplace installation process. Ensure that you adhere to national or local regulations concerning exhaust systems before installation.

If you have any doubts or questions about the guidance provided, do not hesitate to contact your RAIS/Attika dealer for further assistance.

WARNINGS

Please note the symbols below that indicate potentially dangerous situations.

SYMBOL	DESCRIPTION
	Visual sign illustrating an important notice or caution.
	Visual sign illustrating a potential hazard.

INFORMATION PLATE

The balanced exhaust system comes with an accompanying information plate that includes a certificate number, indicating the product's approval.

Depending on the type of pipe, there are three different nameplates: US, USD, and XE/XD. These information plates are an important reference for verifying that the exhaust system is approved and meets the necessary standards and safety requirements.

INSTRUCTIONS FOR USING QR CODES

Several places within the manual, you will find QR codes with links to video guides for different installations.



For using the QR codes, simply open the camera function on your phone and point it at the code. You will then get the option to open a link to the video guide.

This provides you with easy access to additional instructions and visual guidance during the installation process.

ABOUT BALANCED FLUE PIPE SYSTEMS

The balanced flue pipe system is crucial for the optimal function of the gas fireplace. Without proper flow in the flue pipe system, the fireplace will not operate efficiently.

Ensure that you follow the instructions in the manual for safe operation and maximum performance.

APPROVED FLUE PIPE SYSTEMS

The following flue pipe systems are approved for RAIS and Attika gas fireplaces:

MANUFACTURER	SYSTEM	ADAPTER
Schiedel	Metaloterm US system	No adapter
Schiedel	Metaloterm USD system	No adapter
Müllink & Grol	Multi-Vent system	Adapter needed
Poujoulat	DUOGAS system	Adapter needed
Jeremias	TWIN-GAS system	Adapter needed
Exodraft	RHGC	No adapter

RAIS and Attika recommend using the Metaloterm US and USD exhaust systems from the manufacturer Schiedel for the installation of gas fireplaces.

The instructions in this manual are therefore based on the use of these pipes. They can be easily connected to the gas fireplace without the need for an adapter.

THREE DIFFERENT PIPE TYPES

The solutions are divided into the following two types:

- 1) US pipes
- 2) XE/XD flexible pipes

US pipes are our "general" type of pipe, suitable for installations where chimneys are not visible. They are assembled with clamps and are available in black and stainless steel.

XE/XD flexible pipes are often used in conjunction with US and/or USD pipes for installations where there is already an existing chimney.

DIMENSIONS OF THE FLUE PIPES

Built-in gas fireplaces such as Visio Gas come with a coupling for the pipe dimension Ø130/200 mm (with item numbers ending in 13). This specific pipe system is designed to ensure proper and efficient evacuation of the exhaust gases.

By using the recommended pipe size, you ensure that the gas fireplace operates optimally with the desired performance and safety.

OBSERVE THE FOLLOWING REGULATIONS

- Install the balanced flue pipe system in accordance with the manufacturer's instructions and this manual.
- Use the manufacturer's prescribed wall brackets to secure the flue pipe system.
- Avoid mixing different types of balanced flue pipe systems.
- Ensure that the balanced pipes are fully assembled and pushed together as much as possible.
- Install the system without clamp and use the approved mounting brackets and clamps.
- Ensure there is a slope of 3 degrees back towards the fireplace (approx. 5 mm per meter) to ensure proper drainage of condensation water. Only wall terminals should have a slope away from the fireplace.
- Always maintain a distance of 50 mm from the chimney to combustible material.
- Ensure that the balanced pipes do not come into contact with combustible material and are not placed in a closed environment with combustible material.
- Refrain from starting exhaust systems with a measuring point, a bend, or an adjustable pipe.

BALANCES FLUE PIPE SYSTEM REGULATIONS

Air supply and discharge from devices with a closed combustion chamber are safely directed into the open-air environment without disturbing residents or the surrounding environment. Always ensure compliance with national requirements when determining the placement of terminals for exhaust and air intake. This will ensure that the installation meets the necessary safety standards and environmental guidelines.

Connections in flue pipe systems must be tight and secured so that they cannot unintentionally be separated.

Extraction must not be routed through common stairwells. Disconnected chimneys or ventilation ducts can be used as routing channels.

Ensure that wall and roof penetrations are waterproof and properly secured. This will prevent water intrusion and ensure a reliable installation of the exhaust system.

For wall terminals, always ensure that the air intake has a slight slope towards the outside to divert moisture. We recommend a slope of 2-3 degrees for optimal drainage. This will help maintain efficient and safe operation of the extraction system.

When using an existing chimney, make sure the chimney is cleaned and sealed.

To avoid fire hazards during installation, there should always be a 50 mm clearance around the exhaust system to flammable materials. This can be achieved in two ways:

1. Use an additional pipe of non-flammable material with a diameter of 300 (Ø130/200) mm.

2. Install a square box of non-flammable material with dimensions 300 x 300 (Ø130/200) mm. On the inside and outside of the wall, use a set of center plates (item number USCP) or a large wall cover (item number USMPG) to center the terminal and cover the hole.

When the exhaust pipes need to be cut for adjustment, we do not recommend grinding the pipes afterward due to the risk of burning the stainless steel. Always remove burrs and sawdust after cutting. Only USPP and terminals can be cut.

The use of stainless steel systems in a closed room, where there may be a high concentration of steam and acid in the air (such as in swimming pools, laundries, etc.), can cause problems. This also applies to installations in the immediate vicinity of the sea and/or with a sea view.

The terminal can reach temperatures of up to 200°C. Therefore, ensure that the placement of the terminal prevents direct contact between individuals and the terminal.

Exhaust gases can reach temperatures of up to 400°C. Terminals placed under awnings or balconies can pose a danger due to the accumulation of hot gases and are therefore not allowed.

If terminals are close to neighbouring buildings or ventilation openings, refer to national or local regulations.

NOTE!

Maximum length of exhaust pipe to external wall and roof:

- The maximum allowed length without bends is 15 meters.
- For Ø130/200, each bend counts as 0.5 meters.

Minimum vertical start height for exhaust pipes for the following built-in Visio Gas models:

- Visio 70, 90, 100 is 0.5 meters.
- Visio 160 is 1 meter.

WARNING!

Secure the balanced exhaust system firmly to a non-combustible wall or ceiling using mounting brackets to prevent loosening and potential leaks of flue gas and/or combustion air, which can lead to dangerous situations.

Recommendations:

- Install a mounting bracket every 2 meters.
- Always install a bracket after the first meter and the last meter.
- Always install a bracket at every bend.

FLUE REGULATIONS

Please note that the exhaust regulations on the following pages are in accordance with Danish national guidelines.

It is important to always follow national regulations and requirements to ensure a correct and safe installation.

HORIZONTAL OUTLET

Please note that the horizontal exhaust pipe is not approved to terminate everywhere.

There are several places where the exhaust opening must not be located, unless the gas supplier approves the location based on a comprehensive assessment.

The flue outlet must not be placed:

- In a carport
- In a niche or base shaft
- Under stairs
- Under an extension or similar
- Facing a walkway or public area

For outlet in an external wall, the exhaust must be positioned so that, from the center of the exhaust opening, there is at least a 45° angle to any roof overhang, both for overhangs located above the exhaust and for overhangs on the flat angle perpendicular to the exhaust, if this is less than 1.5 m (see illustration 1).

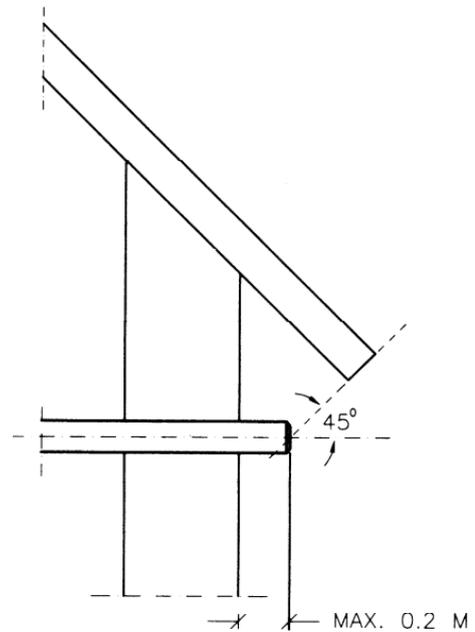


Illustration 1

NOTE!

Please note that the subsequent requirements for the exhaust are based on Danish regulations and can therefore only be used as guidance. You must always follow the national regulations when installing the balanced flue pipe system.



ROOF OVERHANG REQUIREMENTS FOR PARALLEL BUILDINGS

For horizontal distances greater than 0.5 meters to a parallel building, the requirement of 45° is no longer applicable (illustration 2).

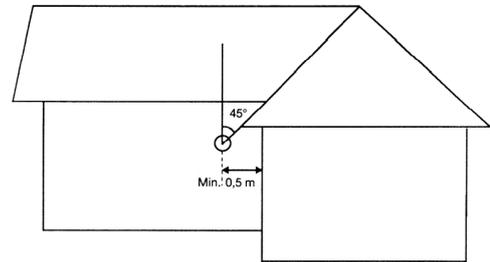


Illustration 2

DISTANCE FROM WALL OUTLET

On a surface around the outlet, with dimensions as shown below, the following must not be placed (illustration 3):

- Windows and doors that can be opened
- Building corners and protruding elements
- Openings for fresh air supply
- Openings for the ventilation of combustion products

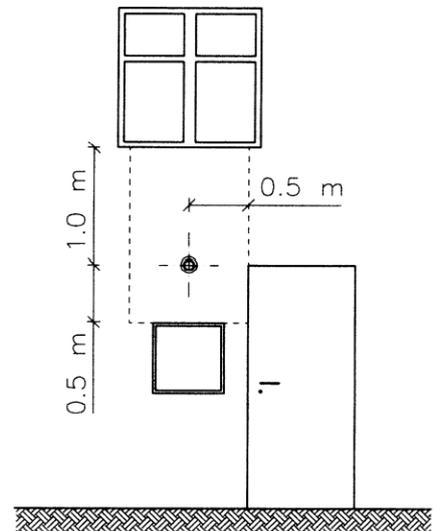


Illustration 3

PARALLEL BUILDING AND DISTANCE REQUIREMENTS

For surfaces parallel to the exhaust, there must be at least 2.0 meters to:

- Windows and doors that can be opened
- Openings for fresh air supply
- Openings for the ventilation of combustion products

Additionally, the following distance requirements from the chimney outlet must be met (illustration 4):

- Min. 0.2 m horizontally and 0.5 m vertically to the control cabinet.
- Min. 0.3 m above the ground.
- Min. 1.0 m from the outlet to thatched or wood-cut roofs.
- Min. 2.0 m to the opposite building.
- Min. 2.5 m to the neighbouring property line and common living and walking areas.

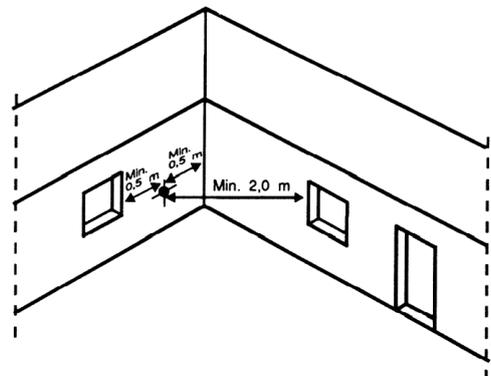


Illustration 4

VERTICAL OUTLET

The chimney can be used as a fresh air duct under the following conditions:

- The chimney is assessed to be in reasonably good condition, and
- The cross-sectional area of the chimney minus the cross-sectional area of the appliance's flue pipe is greater than or equal to the cross-sectional area of the appliance's intake manifold.
- The system must be terminated at the outlet with roof flashing and chimney covering in accordance with this manual.

The distance to the intake opening, measured perpendicular to the roof surface, should be at least 0.3 m. (see illustration 5).

On a surface around the outlet, with dimensions as shown below in illustration 6, the following must not be placed:

- A: Windows and doors in living rooms that can be opened
- B: Building corners and protruding parts, including the chimney
- C: Openings for fresh air supply
- D: Openings for discharging combustion products

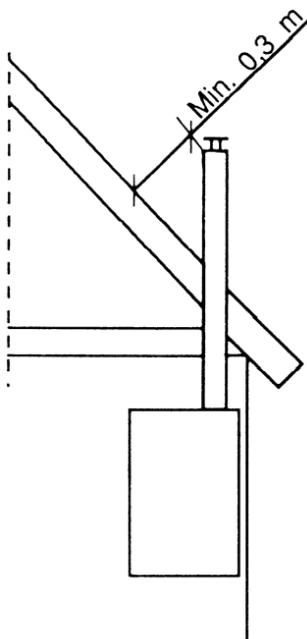


Illustration 5

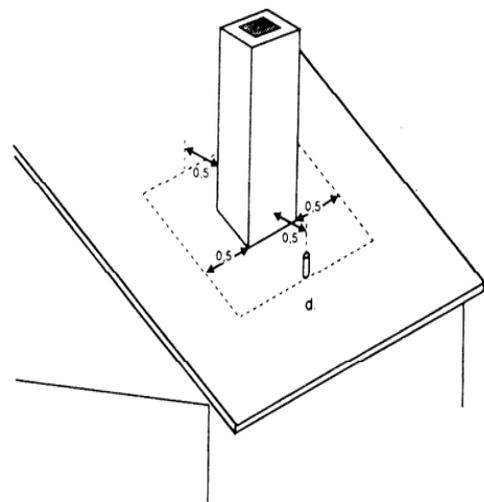
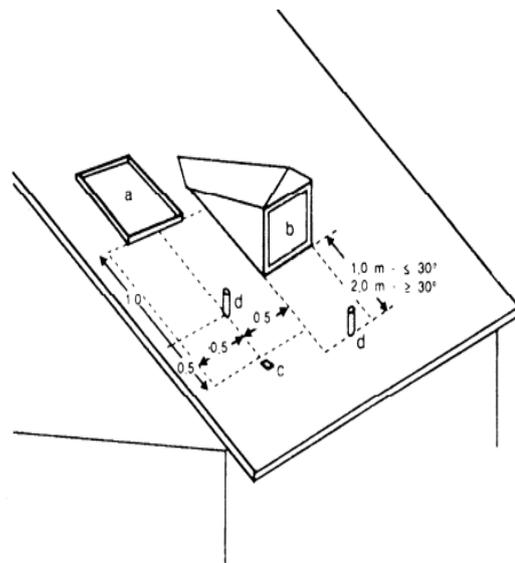


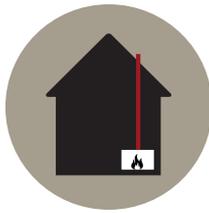
Illustration 6

INTRODUCTION TO BALANCED FLUE PIPE SOLUTIONS

The next pages cover the most fundamental exhaust installations and combinations.

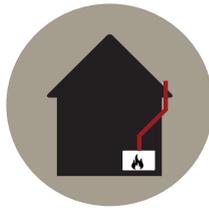
In total, there are four exhaust solutions for our Visio Gas fireplaces, all of which are illustrated below. The green illustrations represent vertical solutions, the beige-colored illustration represents a horizontal solution, while the orange illustration shows a solution with an existing installation through the chimney.

Each solution is described on the following pages.



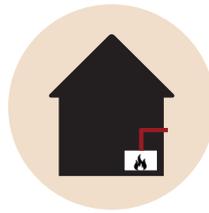
VERTICAL TERMINAL THROUGH THE ROOF

PAGE 12



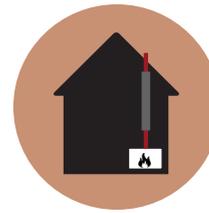
VERTICAL TERMINAL ALONG THE EXTERIOR WALL

PAGE 18



HORIZONTAL WALL TERMINAL WITH SNORKEL

PAGE 24



VERTICAL TERMINAL FOR EXISTING CHIMNEY

PAGE 29

TABLE FOR MIN. AND MAX. PIPE LENGTH

On the pages with the exhaust solutions, there's an accompanying table with exhaust combinations. Each table explains the permitted vertical and horizontal lengths of the pipe to achieve the correct airflow.

	1	2	3	4	5	6	7	8	9	10	11
11											
10											
9											
8											
7											
6											
5											
4											
3											
2											
1											
0.5											
	1	2	3	4	5	6	7	8	9	10	11

Table with exhaust combinations

RESTRICTORS

During the installation of each gas fireplace, three different restrictors are included. These restrictors are used to achieve the correct airflow in the balanced exhaust system.

To determine which restrictor to use, you can either observe the flames or use the pipe length diagrams (see A, B, C), which provide a good idea of the correct type of restrictor. At start-up, the flames should be blue-yellow, and after 20 minutes, they should have a clearer yellow colour.

If the desired appearance of the flames and combustion is not achieved, another restrictor can be installed to adjust the airflow and achieve the desired result.



Restrictor A

Restrictor B

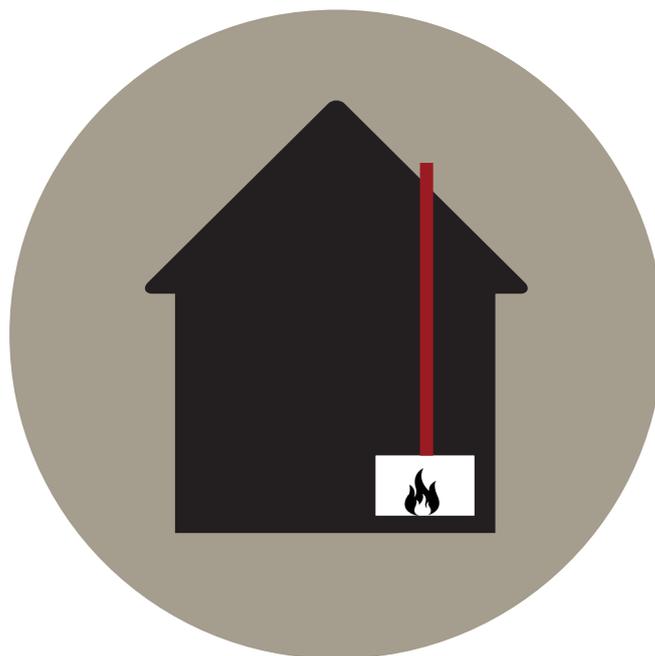
Restrictor C

VERTICAL TERMINAL THROUGH ROOF

Extraction solution 1:

This section describes how to install the solution with a vertical terminal through a roof and which parts can be used.

Follow the guide on the next pages.



VERTICAL TERMINAL THROUGH ROOF

Page 13 - 17

BUILT-IN GAS FIREPLACES – Ø130/200

Use the table below to determine the allowed vertical (and horizontal) lengths of the pipes.

Vertical roof outlet directly up (C31) – Ø130/200.

Vertical	15		A
	14		A
	13		A
	12		A
	11		A
	10		B
	9		B
	8		B
	7		C
	6		C
	5		C
	4		B
	3		B
	2		A
	1		A
0.5		A	

Restrictor
For more information, see page 11

BUILT-IN GAS FIREPLACES – Ø130/200

Vertical roof outlet with bend (C31) – Ø130/200.

Vertical		1	2	3	4	5	6	7	8	9	10	11		
	11													B
	10													B
	9													B
	8													B
	7													C
	6													C
	5													C
	4													B
	3													B
	2													A
	1													A
0.5														
		1	2	3	4	5	6	7	8	9	10	11		
		Horizontal												

Restrictor
For more information, see page 11

NOTE!

The minimum vertical starting height for the built-in gas fireplace models Visio 160 F, LC, RC, and 3S (Visio 5) is 1 meter.



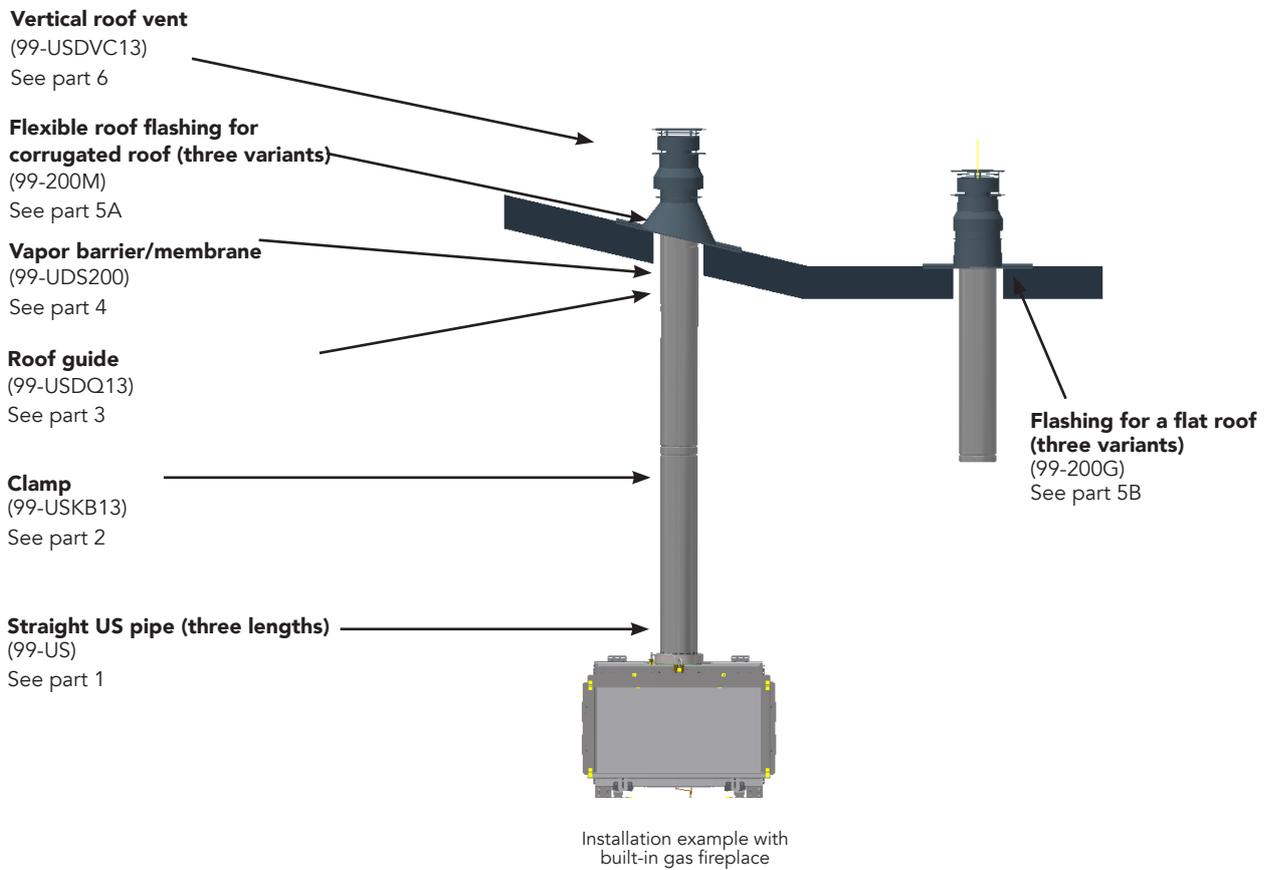


EXAMPLE OF INSTALLATION SOLUTIONS WITH VERTICAL THROUGH THE ROOF

There are several potential installation solutions with a vertical terminal through a roof. The demonstrated solution serves as an example of how a vertical roof outlet can be installed.

Next to each arrow on the drawing is a reference to the part used for the installation solution. For each reference (on the following pages), there is a mounting guide. The part number is indicated in parentheses.

All item numbers are collected in an overview at the back of the manual. Please note that the parts used refer to an item number in stainless steel. Several of the parts are available in multiple colours.





PART 1: Straight US pipe

The US pipe is installed with the end that has one groove facing down towards the gas fireplace (see circle).

- Item no. 99-US2513
- 99-US5013
- 99-US10013

(NOTE! Available in three lengths)



PART 2: Clamp

The pipes are mounted and locked with a clamp.

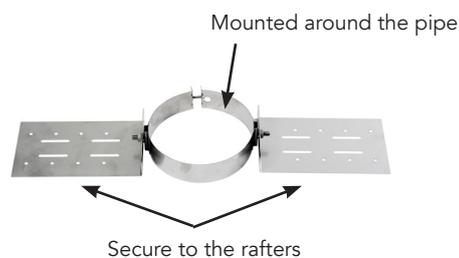
- Item no. 99-USKB13



PART 3: Roof guide

Use a roof guide to protect the pipe against wind and weather. It is mounted around the pipe and secured to the rafters.

- Item no. 99-USDQ13



PART 4: Vapor barrier/membrane

The vapor barrier is pulled down over the pipe, and the ends are distributed by connecting it with the existing vapor barrier using approved vapor barrier tape.

- Item no. 99-UDS200





PART 5A: Flexible roof flashing

The screws are removed (illustration 8). Afterwards, the collar is gently bent around the roof surface and the pipe (illustration 9).

The collar is secured with the screws by cross-tightening them. Finally, the joints are sealed with a weather-resistant silicone.

Item no. 99-200M

(NOTE! Available in three slopes)

See the mounting instructions below.



NOTE!

To achieve the minimum height for the terminal, an adjustment pipe can be used.

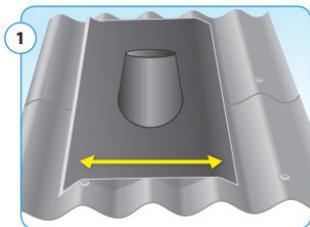


Illustration 8

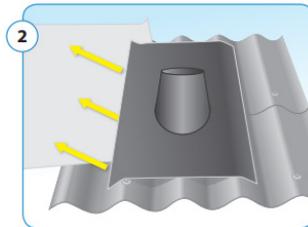


Illustration 9

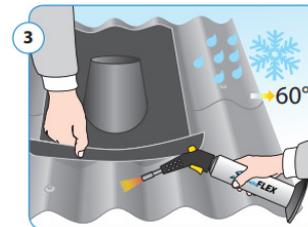
Installation of flex flashing for corrugated roof



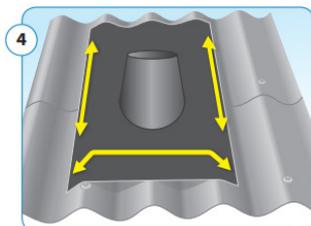
Place the roof flashing over the pipe and the hole, ensuring that the cone is supported. The sides should end with a downward wave.



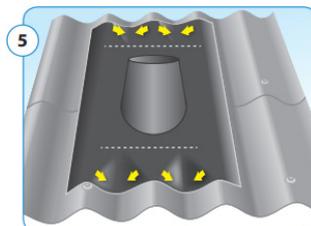
Remove the back foil.



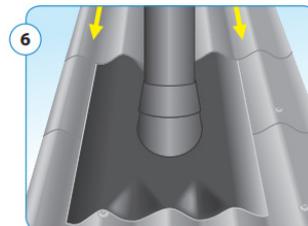
Lift the roof flashing and heat the roof with a gas burner to max. 60°C.



Install the roof flashing on the roof.



Shape the flex with your fingers to fit the roof profile. Shape only along the edge without the use of tools. Avoid water accumulation.



After the collar is mounted, put the roof plate and roof tiles back in place.



Seal the top of the collar with a weather-resistant silicone.



PART 5B: Flashings for a flat roof

The screws are removed (illustration 10). Afterwards, the collar is gently bent around the roof surface and the pipe (illustration 11).

The collar is secured with the screws by cross-tightening them. Finally, the joints are sealed with a weather-resistant silicone.

Item no. 99-200G

(NOTE! Available in three slopes)

See the mounting instructions below.



NOTE!

To achieve the minimum height for the terminal, an adjustment pipe can be used.



Illustration 10

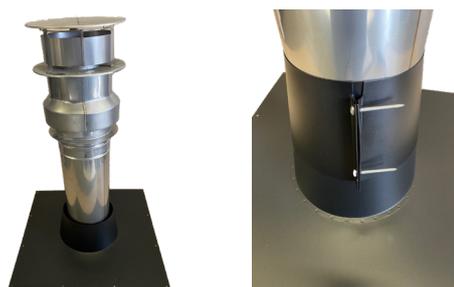


Illustration 11

Installation of hot-dip galvanized flashing for flat roof

The plate is secured in a zigzag pattern to the base with roofing nails (however, not if there is insulation in between, then it is glued with silicone adhesive). It is important that there is a solid substrate under the entire flashing plate (see illustration 12).

Top paper is welded on with a factor 50/50. Stop at min. 15 mm from the penetration.

The 15 mm until the pipe/cone is sealed with a weather-resistant silicone (see illustration 13).

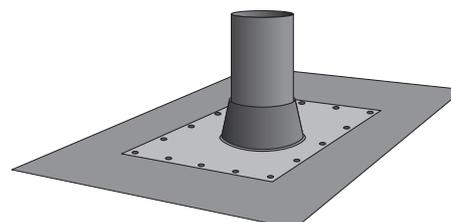


Illustration 12

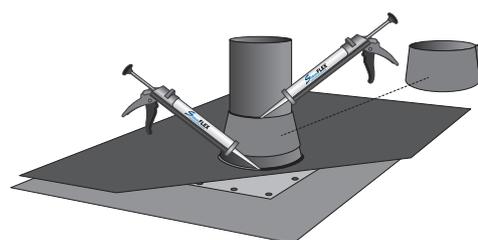


Illustration 13

PART 6: Vertical roof vent

The vertical roof cap is mounted with a clamp.

Item no. USDVC13

(NOTE! Available in black and stainless steel)

The clamp has the following item no.: 99-USKB13.



Vertical roof vent



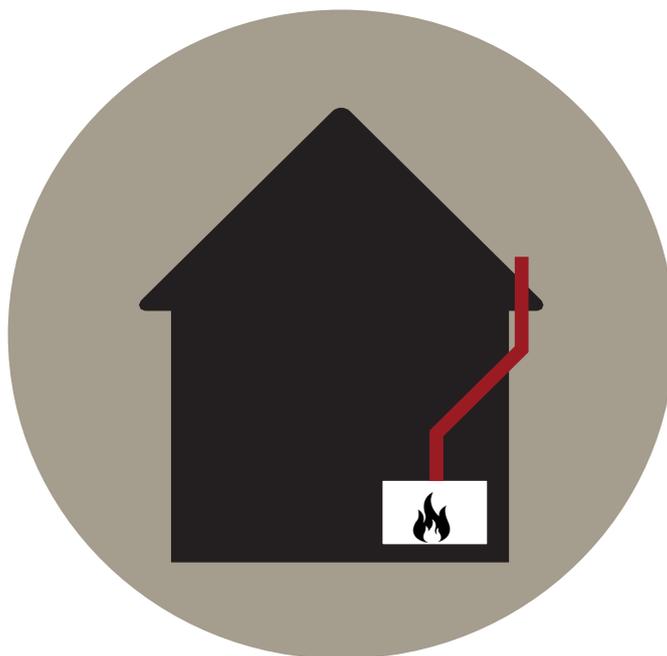
Clamp

VERTICAL TERMINAL ALONG THE EXTERIOR WALL

Extraction solution 2:

This section describes how to install the extraction solution with a vertical terminal along an exterior wall, and which parts can be used.

Follow the guide on the next pages.



VERTICAL TERMINAL ALONG THE EXTERIOR WALL

Page 19 - 23



BUILT-IN GAS FIREPLACES – Ø130/200

Use the tables below to determine the allowed vertical and horizontal lengths of the pipes.

Vertical roof outlet directly up (C31) – Ø130/200.

Vertical	15		A
	14		A
	13		A
	12		A
	11		A
	10		B
	9		B
	8		B
	7		C
	6		C
	5		C
	4		B
	3		B
	2		A
	1		A
0.5		A	

Restrictor
For more information, see page 11

BUILT-IN GAS FIREPLACES – Ø130/200

Vertical roof outlet with bend (C31) – Ø130/200.

Vertical		1	2	3	4	5	6	7	8	9	10	11		
	11													B
	10													B
	9													B
	8													B
	7													C
	6													C
	5													C
	4													B
	3													B
	2													A
	1													A
0.5														
		1	2	3	4	5	6	7	8	9	10	11		
		Horizontal												

Restrictor
For more information, see page 11

NOTE!

The minimum vertical starting height for the built-in gas fireplace models Visio 160 F, LC, RC, and 3S (Visio 5) is 1 meter.



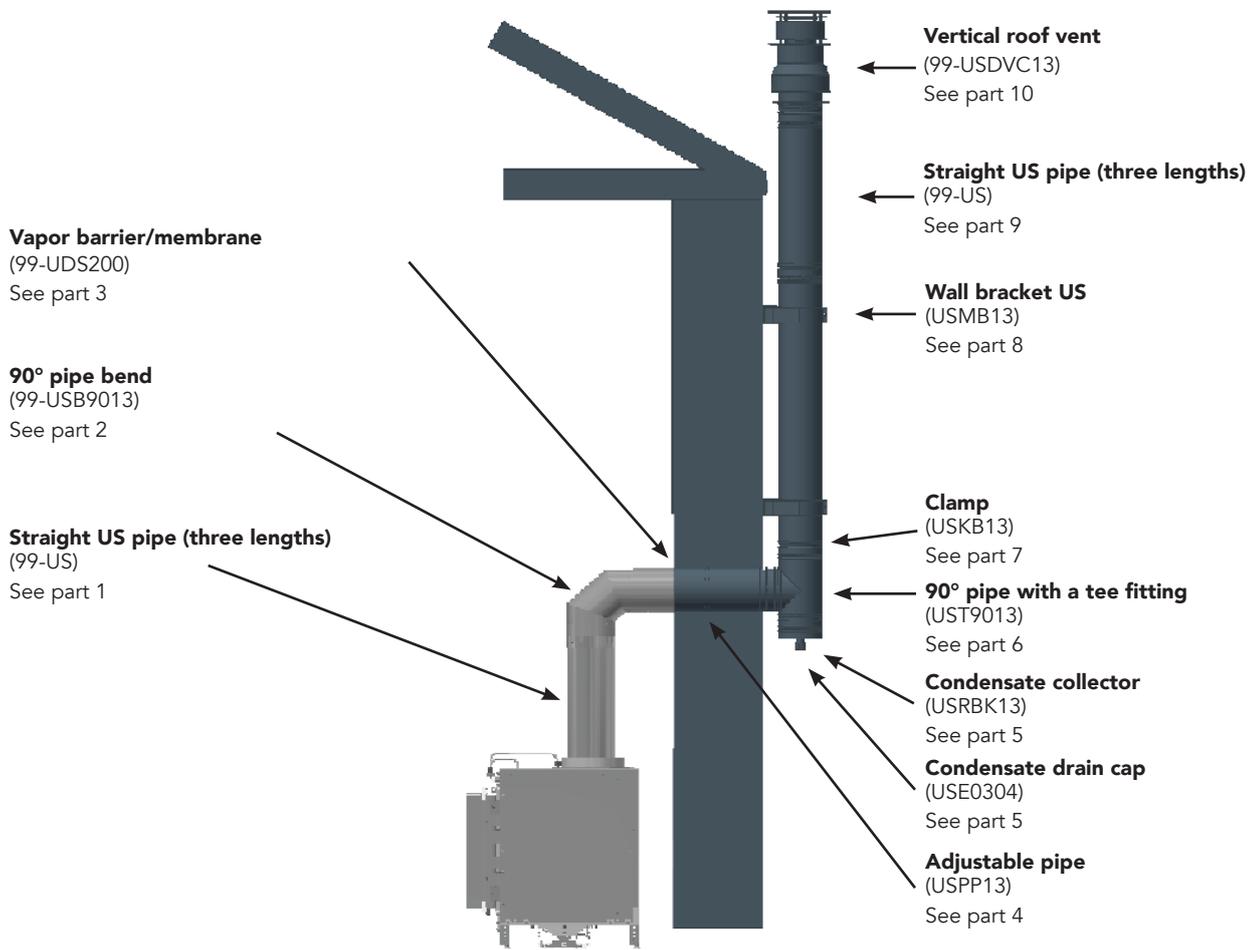


EXAMPLE OF INSTALLATION SOLUTION WITH VERTICAL TERMINAL ALONG EXTERIOR WALL

There are several potential installation solutions with a vertical terminal along an exterior wall exist. The solution illustrates how a vertical installation along an exterior wall can be implemented.

Next to each arrow on the drawing is a reference to the part used for the installation solution. For each reference (on the following pages) there is a guide to assembly. The item number of the part is stated in the parenthesis.

All item numbers are compiled in an overview at the back of the manual. Please note that the used parts refer to an item number in stainless steel. Several of the parts are available in multiple colors.



Installation example with built-in gas fireplace



PART 1: Straight US pipe

The US pipe is installed with the end that has one groove facing down towards the gas fireplace (see circle).

Item no. 99-US2513
 99-US5013
 99-US10013

(NOTE! Available in three lengths)



PART 2: 90° US bend

The bend is mounted with a clamp.

Item no. 99-USB9013



PART 3: Vapor barrier/membrane

The vapor barrier/membrane is pulled down over the pipe, and the ends are sealed to the existing vapor barrier with approved vapor barrier tape.

Item no. 99-UDS200





PART 4: Adjustable pipe

Adjustable pipe 330-500 mm. Pull the sliding pipe out to the desired length and lock it using the included clamp.

Item no. 99-USPP13



PART 5: Condensate collector and condensate drain cap

The condensate collector is mounted with a clamp.

The condensate drain cap is mounted in extension of the condensate collector.

Item no. 99-USRBK13
99-USE0304



Condensate collector



Condensate drain cap

PART 6: 90° pipe with a tee fitting

The pipes are mounted and locked with a clamp.

Item no. 99-UST9013



PART 7: Clamp

The pipes are mounted and locked with a clamp.

Item no. 99-USKB13





PART 8: Wall bracket US

Use brackets to secure the pipe to the wall. The bracket is mounted using raw plugs and two screws.

Item no. 99-USMB13



PART 9: Straight US pipe

The US pipe is installed with the end that has one groove facing down towards the gas fireplace (see circle).

Item no. 99-US2513

99-US5013

99-US10013

(NOTE! Available in three lengths)



PART 10: Vertical roof vent

The vertical roof vent is mounted with a clamp.

Item no. USDVC13

(NOTE! Available in black and stainless steel)

The clamp has the following item no.: 99-USKB13.



Vertical roof vent



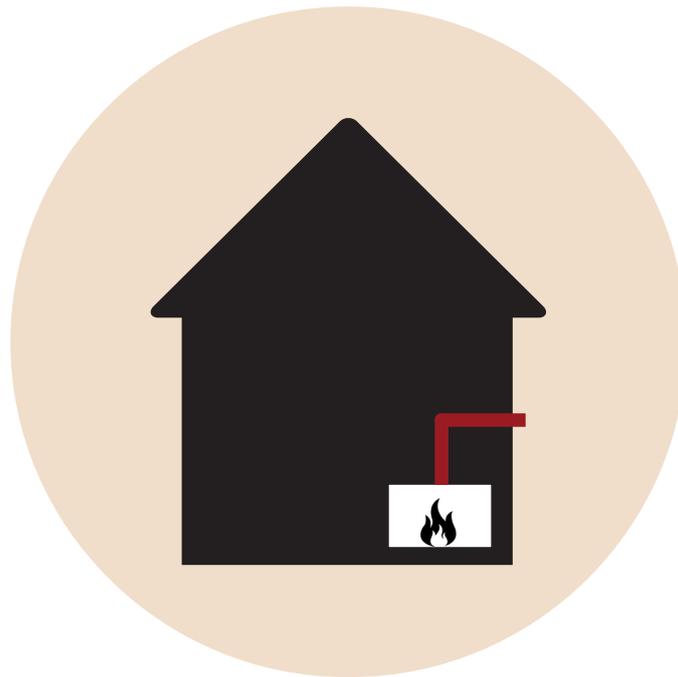
Clamp

HORIZONTAL WALL TERMINAL WITH SNORKEL

Extraction solution 3:

This section describes how to install the extraction solution with a horizontal wall terminal with a snorkel and which parts can be used.

Follow the guide on the next pages.



HORIZONTAL WALL TERMINAL WITH SNORKEL

Page 25 - 28



BUILT-IN GAS FIREPLACES – Ø130/200

Use the table below to determine the allowed vertical and horizontal lengths of the pipes.

Horizontal wall terminal with bend (C11) – Ø130/200.

	1	2	3	4	5	6	7	8	9	10	11	
11	█	█	█	█								B
10	█	█	█	█	█							B
9	█	█	█	█	█	█						B
8	█	█	█	█	█	█	█					B
7	█	█	█	█	█	█	█	█				C
6	█	█	█	█	█	█	█	█	█			C
5	█	█	█	█	█	█	█	█	█	█		C
4	█	█	█	█	█	█	█	█	█	█	█	B
3	█	█	█	█	█	█	█	█	█			B
2	█	█	█	█	█							A
1	█	█	█									A
0.5												
	1	2	3	4	5	6	7	8	9	10	11	

Restrictor
For more information, see page 11

NOTE!

The minimum vertical starting height for the built-in gas fireplace models Visio 160 F, LC, RC, and 3S (Visio 5) is 1 meter.



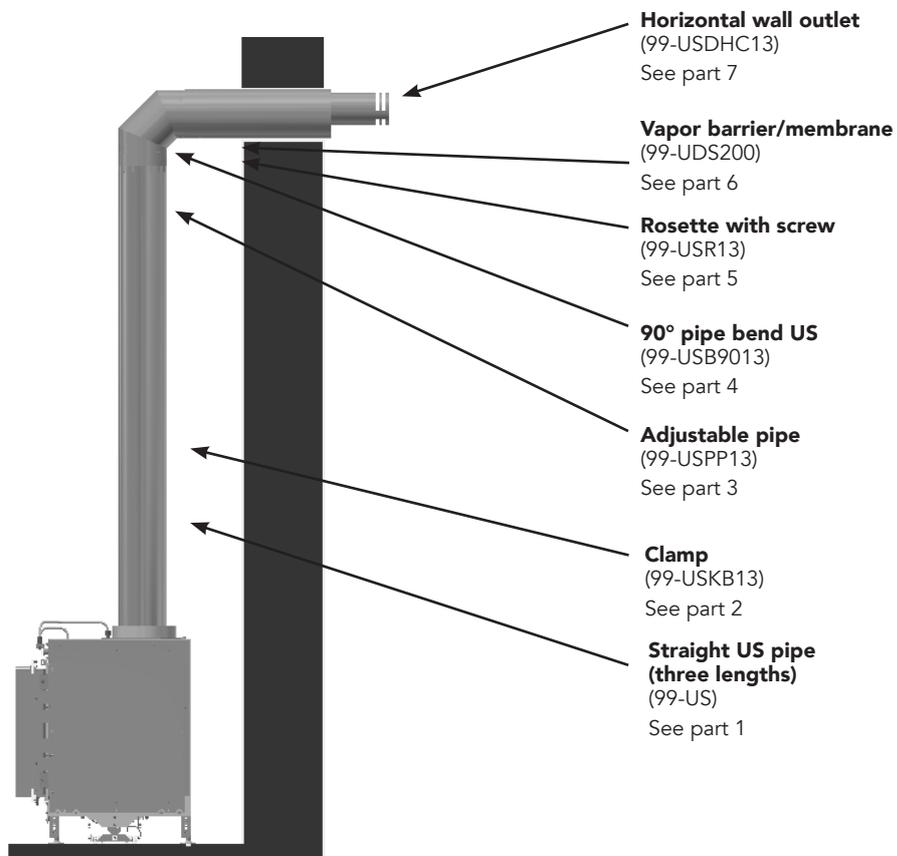


EXAMPLE OF INSTALLATION SOLUTION WITH HORIZONTAL TERMINAL WITH SNORKEL

There are different variants of installation solutions with a horizontal terminal with snorkel, and the shown solution is just an example of how such a horizontal installation can be performed.

Next to each arrow on the drawing is a reference to the part used for the installation solution. For each reference (on the following pages) there is a guide to assembly. The item number of the part is stated in the parenthesis.

All item numbers are compiled in an overview at the back of the manual. Please note that the used parts refer to an item number in stainless steel.



Installation example with built-in gas fireplace



PART 1: Straight US pipe

The US pipe is installed with the end that has one groove facing down towards the gas fireplace (see circle).

Item no. 99-US2513
99-US5013
99-US10013

(NOTE! Available in three lengths)



PART 2: Clamp

The pipes are mounted and locked with a clamp.

Item no. 99-USKB13



PART 3: Adjustable pipe

The adjustable pipe is pulled out to the desired length and locked in place with the included clamp.

Item no. 99-USPP13



PART 4: 90° US bend

The clamp is mounted with a clamp.

Item no. 99-USB9013



PART 5: Rosette with screw holes

The rosette is mounted between the pipe and the wall.

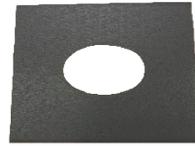
Item no. 99-USR13
(NOTE! Screws are not included)



**PART 6: Vapor barrier/membrane**

The vapor barrier is pulled down over the pipe, and the ends are connected to the existing vapor barrier using approved vapor barrier tape.

Item no. 99-UDS200

**PART 7: Horizontal wall outlet**

The horizontal wall outlet is mounted externally and secured to the wall with the included screws.

Ensure that the air intake is at a slight angle so that moisture can drain out. The recommended angle is 1.3 degrees or a slope of 2-5%.

Item no. 99-USDHC13

(NOTE! Available in black and stainless steel)

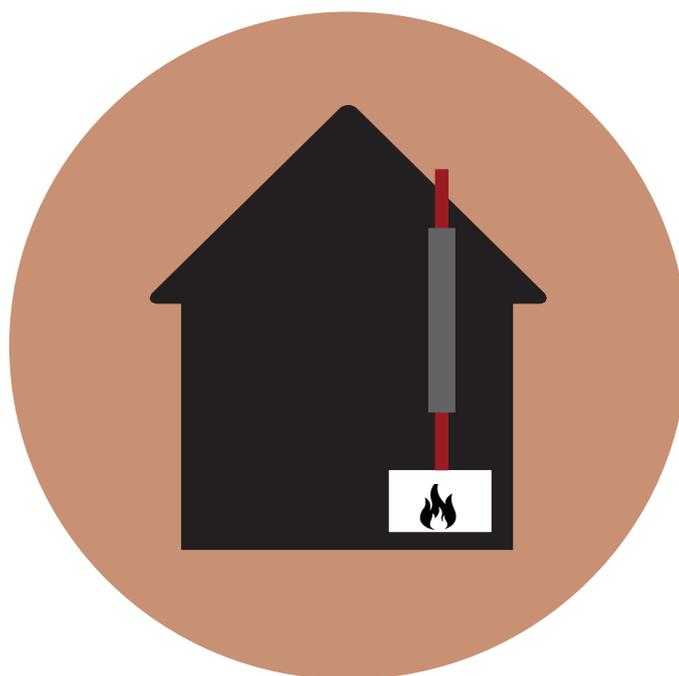


VERTICAL TERMINAL FOR EXISTING CHIMNEY

Extraction solution 4:

This section describes how to install the extraction solution with a vertical terminal through an existing chimney and which parts can be used.

Follow the guide on the next pages.



VERTICAL TERMINAL FOR EXISTING CHIMNEY

Page 30 - 34



BUILT-IN GAS FIREPLACES – Ø130/200

Use the table below to determine the allowed vertical lengths of the pipes.

Vertical roof outlet straight up (C91) – Ø130/200.

Vertical	15		A
	14		A
	13		A
	12		A
	11		A
	10		B
	9		B
	8		B
	7		C
	6		C
	5		C
	4		B
	3		B
	2		A
	1		A
0.5		A	

Restrictor

For more information, see page 11

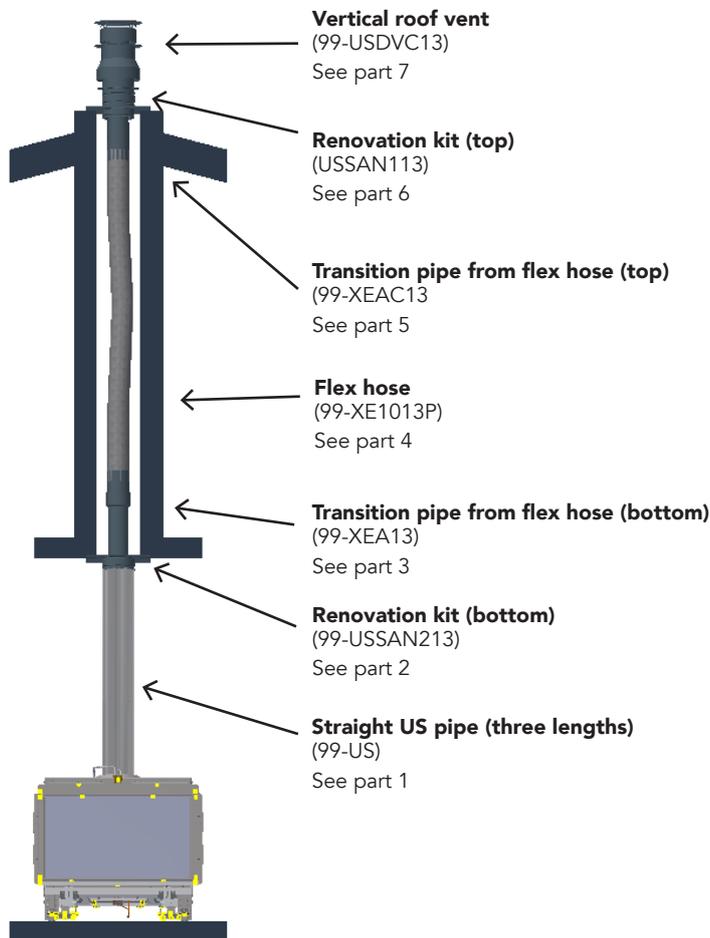


EXAMPLE OF INSTALLATION SOLUTION WITH VERTICAL TERMINAL THROUGH EXISTING CHIMNEY

There are various types of installation solutions with a vertical terminal going through an existing chimney. The presented solution illustrates how a vertical installation with an already existing chimney can be performed.

Next to each arrow on the drawing is a reference to the part used for the installation solution. For each reference (on the following pages), there is a mounting guide. The item number of the part is shown in the parentheses.

All item numbers are compiled in an overview at the back of the manual. Please note that the used parts refer to an item number in stainless steel. Several of the parts are available in multiple colors.



Installation example with built-in gas fireplace



GB

PART 1: Straight US pipe

The US pipe is installed with the end that has one groove facing down towards the gas fireplace (see circle).

- Item no. 99-US2513
- 99-US5013
- 99-US10013

(NOTE! Available in three lengths)



PART 2: Renovation kit (bottom)

The renovation kit can be mounted both horizontally and vertically. In a horizontal installation, a 90-degree elbow (MEB9013) should be used.

- Item no. 99-USSAN213

(NOTE! Available in black and stainless steel)



Vertical



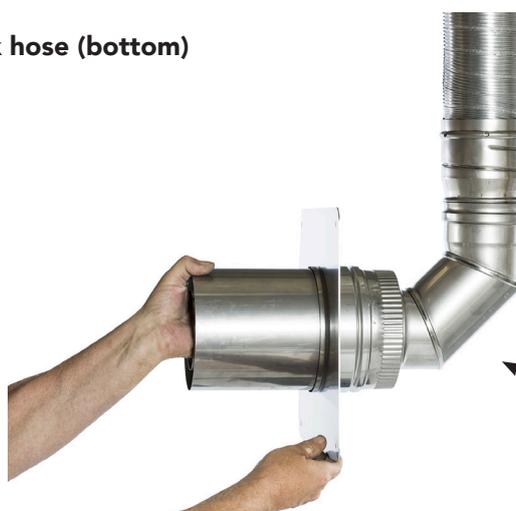
Horizontal

Plate for mounting on the wall. Seal it with sealant or a sealing ring.

Plate for mounting on the wall. Seal it with sealant or a sealing ring.

PART 3: Transition pipe from flex hose (bottom)

- Item no. 99-XEA13



Flex hose - 10 meter (XE1013P)

Transition pipe for flexible hose. Install the flexible hose on XE1013P.

Bend for attaching to flexible hose (MEB9013).



PART 4: Flex hose

Den fleksible slange fås i en kasse med 10 meter. Slangen skæres til i den en passende længde.

Item no. 99-XE1013P



PART 5: Transition pipe from flex hose (top)

Push the flex hose into the transition pipe and twist it to lock it securely.

Item no.99-XEAC13



PART 6: Renovation kit (top)

Split transition from flex to balanced exhaust. The inner pipe is for exhaust gases, while the cavity around the pipe is for the supply of fresh air.

Item no. 99-USSAN113

Transition to double pipe at the top of the chimney. Secure the plate to the chimney top and seal it with weather-resistant silicone.

Transition to flex hose



NOTE!

Be aware that the cavity (outer core) around the split transition must be open to fresh air.



PART 7: Vertical roof vent

The vertical roof cap is mounted with a clamp.

Item no. USDVC13

(NOTE! Available in black and stainless steel)

The clamp has the following
item no.: 99-USKB13.



EXODRAFT FAN (OPTIONAL)

If the balanced flue system cannot be maintained within the maximum/permitted lengths, it may be a solution to install an Exodraft smoke extractor.



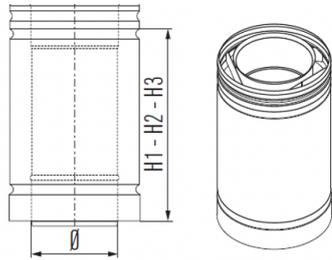
GUIDE TIL EXODRAFT RØGSUGER

Scan QR-koden for
at se en installationsguide



US PIPES – Ø130/200

Assembled **with** clamp

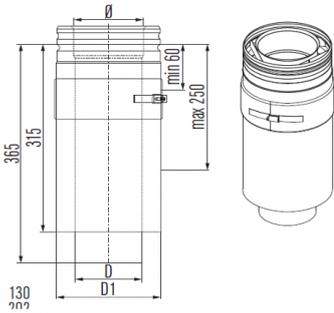


ITEM NO.

99-US10013
99-US100B13
99-US5013
99-US50B13
99-US2513
99-US25B13

DESCRIPTION

Pipe Ø130/200 - 1000 mm - Stainless steel
Pipe Ø130/200 - 100 mm - Black
Pipe Ø130/200 - 500 mm - Stainless steel
Pipe Ø130/200 - 500 mm - Black
Pipe Ø130/200 - 250 mm - Stainless steel
Pipe Ø130/200 - 250 mm - Black



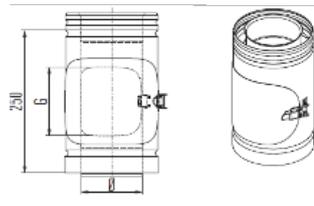
99-USPP13
99-USPPB13

Adjustable pipe - Ø130/200 - 60-250 mm - Stainless steel
Adjustable pipe - Ø130/200 - 60-250 mm - Black



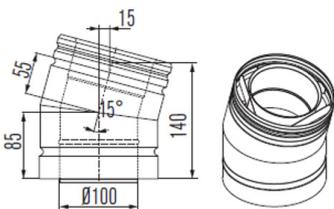
99-USEM13

Measuring part - Stainless steel Ø130/200 mm



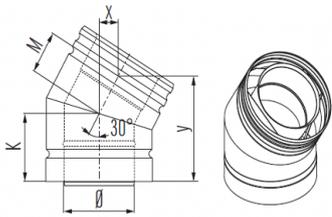
99-USI13

Inspection element Ø130/200 mm length. 250 mm



99-USB1513

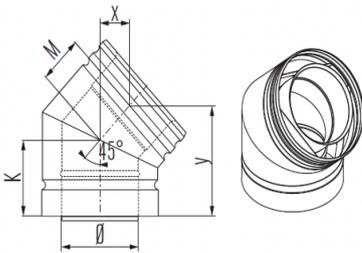
15° US bend Ø130/200 - Stainless steel

**ITEM NO.**

99-USB3013

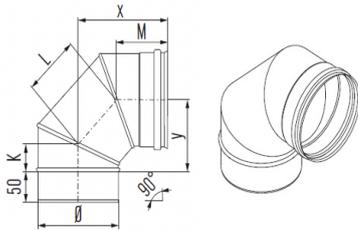
DESCRIPTION

30° US bend Ø130/200 - Stainless steel



99-USB4513

45° US bend Ø130/200 mm - Stainless steel

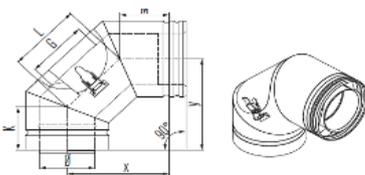


99-USB9013

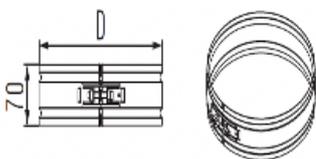
90° US bend Ø130/200 mm - Stainless steel

99-USB90B13

90° US bend Ø130/200 mm - Black



99-USBi9013

90° US bend Ø130/200 mm
w. inspection door - Stainless steel

99-USKB13

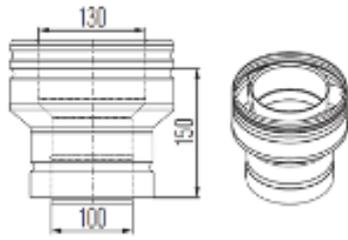
Clamp Ø130/200 mm - Stainless steel

99-USKBB13

Clamp Ø130/200 mm - Black

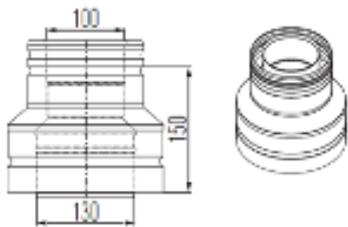
ACCESSORIES – Ø130/200

GB



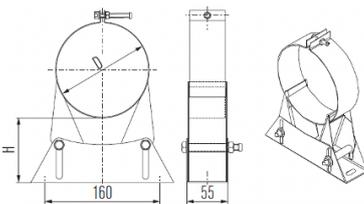
ITEM NO.
99-USVG1013

DESCRIPTION
Transition fitting US from Ø100/150 - Ø130/200



99-USVK1013

Transition fitting US from Ø130/200 - Ø100/150



99-USMB13

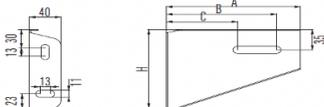
Wall bracket US Ø130/200 mm - Stainless steel

USOL 1 / USOL 2
Support light (pair) for USMO
Wandstütze (Paar) für USMO
Support léger (paire) USMO
Ondersteuning licht (paar) voor USMO



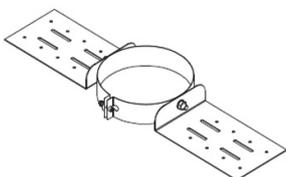
99-USOL213

Ajustable wall bracket - Stainless steel
NOTE! Remember support band (99-USMO13)



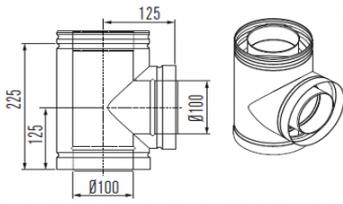
99-USMO13

Support band (for USOL213) Ø130/200 mm - Stainless steel



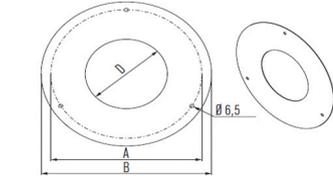
99-USDQ13

Roof guide US Ø130/200 mm



ITEM NO.
99-UST9013

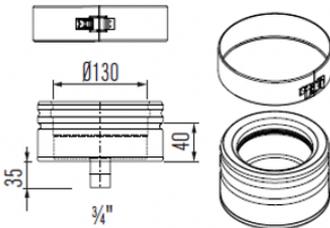
DESCRIPTION
90° pipe with a tee fitting - Stainless steel



99-USR13
99-USR13B

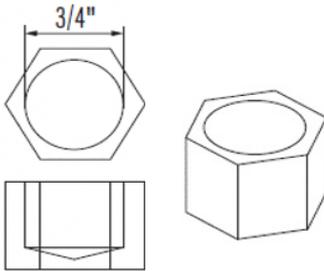
Rosette with screw holes US Ø204/340 - Stainless steel
Rosette with screw holes US Ø204/340 - Black

Ø	100	130
B	154	204
B	290	340
A	270	320



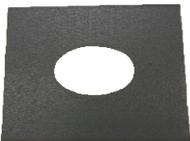
99-USRBK13

Condensate collector - Stainless steel



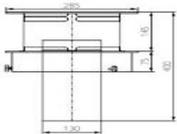
99-USE0304

Condensate drain cap - Stainless steel



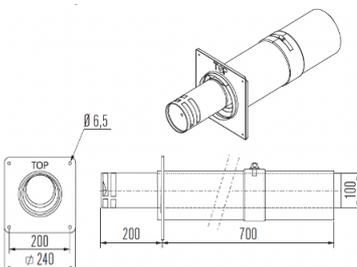
99-UDS200

Vapor barrier/membrane Ø200 mm



99-USDVC13
99-USDVCB13

Vertical roof vent US Ø130/200 mm - Stainless steel
Vertical roof vent US Ø130/200 mm - Black



99-USDHC13
99-USDHCB13

Horizontal wall outlet Ø130/200 mm - Stainless steel
Horizontal wall outlet Ø130/200 mm - Black

FLASHINGS – Ø130/200

Assembled **with** clamp

ITEM NO.

DESCRIPTION

99-200G0-9

0-9° roof flashing for flat roof Ø200 - Black
incl. storm collar



99-200G10-32

10-32° roof flashing for flat roof Ø200 - Black
incl. storm collar



99-200G31-45

31-45° roof flashing for flat roof Ø200 - Black
incl. storm collar



99-200M10-32

10-32° flexible roof flashing for corrugated roof Ø200 - Black
incl. storm collar



99-200M31-45

31-45° flexible roof flashing for corrugated roof Ø200 - Black
incl. storm collar

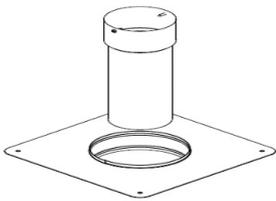
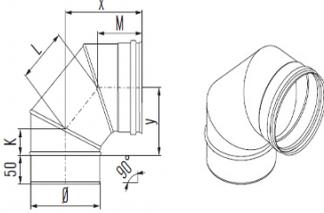
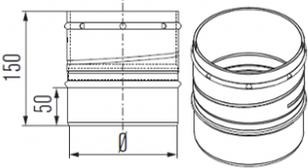
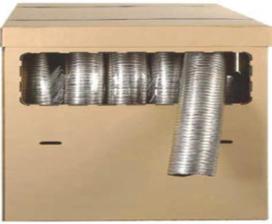
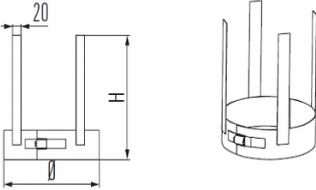
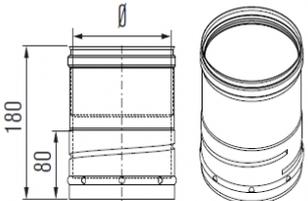
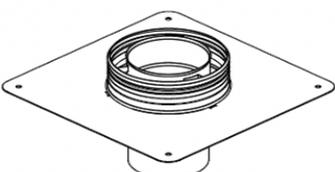


99-200M46-65

46-65° flexible roof flashing for corrugated roof Ø200
- Black – incl. storm collar



RENOVATION KIT – Ø130/200

	ITEM NO. 99-USSAN213 99-USSAN2B13	DESCRIPTION Renovation kit (bottom) Ø130/200 mm - Stainless steel Renovation kit (bottom) Ø130/200 mm - Black
	99-MEB 90 13	90° bend - Ø130/200 mm - Stainless steel
	99-XEA13	Transition pipe from flex hose (bottom) Ø130 mm
	99-XE1013P	Flex hose Ø130 mm - 10 meter
	99-MEAH13	Guide for centring flexible hose in chimney
	99-XEAC13	Transition pipe from flex hose (top) Ø130
	99-USSAN113	Renovation kit (top) Ø130/200 mm - Stainless steel



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