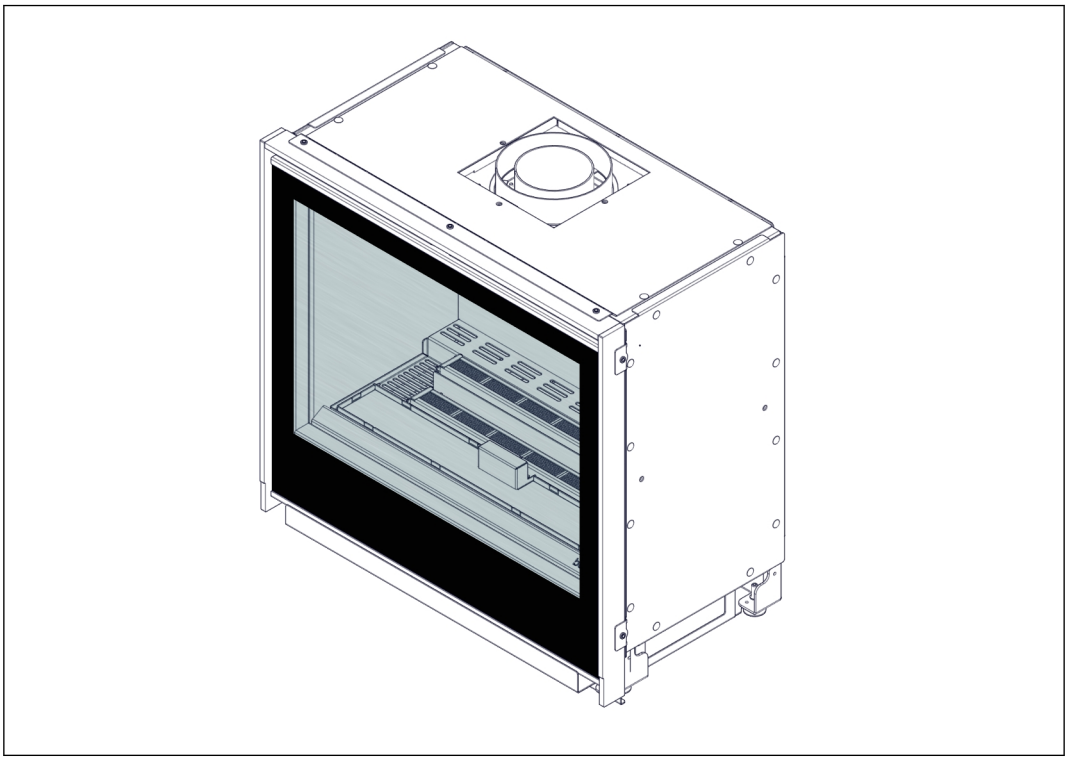
bellfires. gas fires

# Preparation manual

## Smart Bell 55/60 MF



Serial number:

Production date:

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# 1 About this document

This document shows the necessary information to do these tasks on the Smart Bell 55/60 MF:

- Preparation for installation

This document refers to the Smart Bell 55/60 MF as 'the appliance'. This document is an essential part of your appliance.Read it carefully before you do work on the appliance. Keep it in a safe place.

The original instructions of the document are in English. All other language versions of the document are translations of the original instructions.It is not always possible to provide a detailed illustration of every single item of the equipment. The illustrations in this document show a typical setup. The illustrations are for instructional use only.

## 1.1 How to work with this document

1. Make yourself familiar with the structure and content of the document.
2. Read the safety section in detail.
3. Make sure that you understand all the instructions.
4. Do the procedures completely and in the given sequence.

## 1.2 Warnings and cautions used in this document

**Warning**

If you do not obey these instructions, there is a risk that can cause personal injury or death.

**Caution**

If you do not obey these instructions, there is a risk of damage to the equipment or to property.

**Note**

A note shows more information.

| Symbol | Description |
|---|---|
| | Visual sign that there is a hazard |
| | Visual sign that there is a notice |

## 1.3 Related documentation

- Preparation manual
- Installation and maintenance manual
- User manual
- Assembly instructions for concentric flue system

# 2 Overview of the concentric flue system

The concentric flue system provides the appliance with combustion air and removes the flue gases from the appliance. The concentric flue system is made of these items:

| Item | Description |
|---|---|
| Concentric flue | The concentric flue is a pipe with an inner pipe. The inner pipe is used as flue gas channel and the space between the inner pipe and the outer pipe is used as combustion air channel |
| Flue gas channel | The flue gases from the appliance flow through the channel to the outlet by a natural draft |
| Combustion air channel | Supplies the appliance with fresh air from the outlet through the channel |
| Outlet/terminal | Entry for the combustion air channel and exit for the flue gas channel |

# 3 Safety

## 3.1 Safety instructions for installation

**Caution:**

- The appliance must be installed as a 'room sealed system' appliance by a certified and registered gas installation engineer in accordance with the supplied installation instructions, and nationally and locally applicable regulations.
- If you have any questions regarding the installation, consult your local gas company.
- Only use items in the installation that are specified in this manual and the related documents.
- Only use the following brands for the installation of the concentric flue system:

| Manufacturer | system |
|---|---|
| Bellfires | Muelink & Grol system |
| Poujoulat | DUOGAS system |
| Ontop | Metaloterm US system |
| Jeremias/STB (STB = Schoorsteen TechniekBrummen NL) | H-Twin system |
| Jeremias | TWIN-GAS system |
| Modinox | PLA system |

- Do not use a combination of parts from different brands for the installation of the concentric flue system.
- Before beginning the installation, check that the details on the rating plate correspond to the gas type and supply pressure to which the appliance will be connected.

# 4 Requirements

## 4.1 Requirements on the location

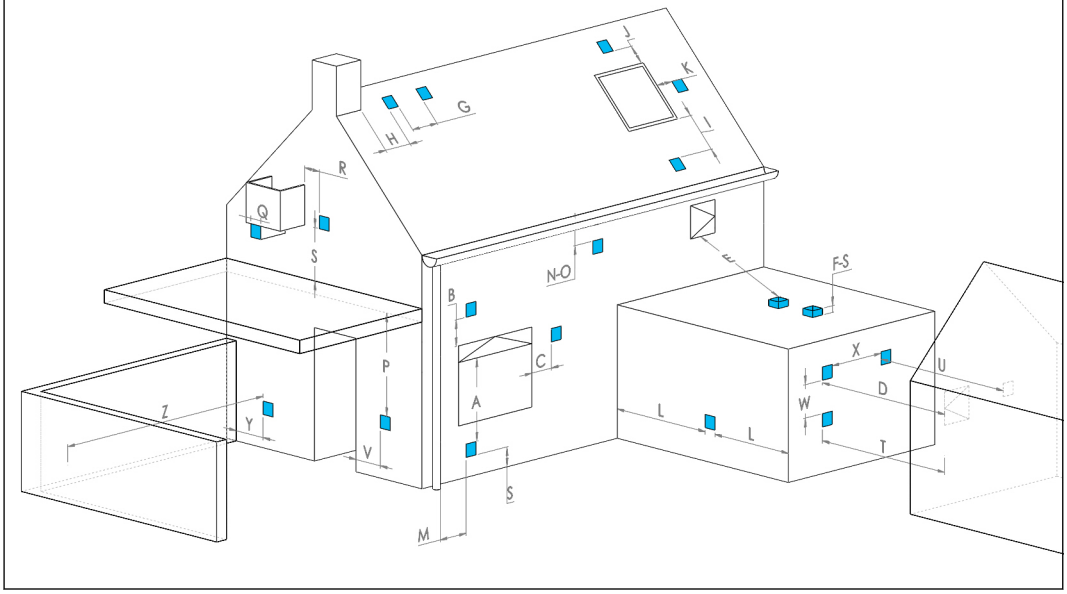
- Never use combustible building materials for the fireplace.
- Do not install the appliance against a flammable rear wall.
- Install a non-flammable insulation plate of at least 12 mm between the appliance and a non-flammable rear wall. The insulation plate must cover the entire area of the rear of the appliance.
- For details about the installation, minimum clearances to flammable materials, permitted insulation materials and air gaps, refer to the "installation and maintenance manual".
- If the fire burns in the appliance, make sure that the floor temperatures below and in front of the appliance cannot be higher than 85 °C .
- Make sure that the room where the appliance is installed is properly ventilated.

## 4.2 Other requirements

- The gas supply connection is located under in the appliance for an easy connection to all directions.
- Only use gas piping of at least 1/2" and a shut-off valve to connect the gas supply to the gas regulator block of the appliance.
- Make sure that there is a wall socket with earth connection nearby the appliance. The socket must be accessible at all times.The powercable (+ 0.5 m) is coming from the rear of the appliance.
- Install the fireplace on a solid floor that can bear the weight of the appliance and the fireplace.
- If the floor is made of flammable material, take correct safety measures. Install a temperature protection plate made of nonflammable material between the appliance and the floor.
- The appliance must be installed into an existing open fireplace or as a built-in appliance in a new fireplace.
- If the concentric flue system is installed in a chimney that is used for wood or coal fire, clean the chimney.
- If you built a new fireplace, make sure that it is ventilated with vents at the bottom and top of the fireplace. If the fireplace is not ventilated the temperature of the appliance can increase to dangerous temperatures and damage the fireplace.
- Keep a minimum distance between the appliance and a front wooden fireplace surround; with a depth of less than 10 cm, of:
    - 5 cm on the sides: (minimum distance: side appliance - leg wooden fireplace surround)
    - 40 cm at the top: (minimum distance: top appliance - bottom of beam wooden fireplace surround) The temperature on the underside of the beam of the wooden fireplace must never exceed 85°C. Optional: insulate the bottom of the wooden beam with a fireproof plate.

## 4.3 Requirements on the roof and wall outlet

**Location of roof and wall outlets**




Refer to the table hereunder for explanation of the figure.

**Note:** All the minimum distances in the table are guidelines. Consult your national and local regulations for the exact minimum distances.

| Minimum separation distances for roof and wall outlet(terminal) in mm | | |
|---|---|---|
| Location | | Minimum distance [mm] |
| A | Below an opening [1] on the same wall/roof | 2000 |
| B | Above an opening [3] on the same wall/roof | 700 |
| C | Horizontally to an opening [3] on the same wall/roof | 700 |
| D | Horizontally to a facing opening [3] in a opposite wall | 2000 |
| E | From a roof terminal under an opening [3] in a nearby rising wall | 4000 |
| F | Above a flat or pitched roof | 300 |
| G | Horizontally from a terminal on the same roof | 300 |
| H | From a structure (e.g. brick chimney) on the roof | 300 |
| I | Below a roof window in a pitched roof | 2000 |
| J | Above a roof window in a pitched roof | 600 |
| K | Horizontally to a roof window in a pitched roof | 600 |
| L | From an internal or external corner | 500 |
| M | From a vertical drainpipe or soil pipe | 300 |
| N | Below gutters, soil pipes or drainpipes, made of flammable materials | 500 |
| | Below gutters, soil pipes or drainpipes, made of non-flammable materials | 300 |
| O | Below eaves, made of flammable material | 500 |
| | Below eaves, made of non-flammable material | 300 |
| P | Below balcony [2] or car port roof | 2000 |
| Q | Beyond the balcony [4] edge | 0 |
| R | On either side of a balcony [4] | 1500 |
| S | Above ground, roof or balcony [4] level | 300 |
| T | From a surface facing the terminal | 500 |
| U | From a terminal facing the terminal (at the same height) | 600 |
| V | From an opening in the car port into the building | 1200 |
| W | Vertically from a terminal on the same wall | 1200 |
| X | Horizontally from a terminal on the same wall | 300 |
| Y | From a boundary alongside the terminal | 1000 |
| Z | From a boundary facing the terminal | 2000 |

- If the outlet is installed less than 0.5 m horizontally and less than 2 m vertically from a public area, install an effective protector.
- Make sure that the mesh size of the guard does not effect the operation of the appliance.
- If the height of the outlet is less than 3 meter from the floor, the distance between the outlet and a garden or a terrace must be minimum 2 meter.

[1] An opening here means an element that is permanent open (example: an air vent) or that can open (example: a door or window). But, in addition, the distance between outlet and built-in elements (example: window, door) must be minimum 300 mm.

[2] Balcony or gallery of an apartment building.

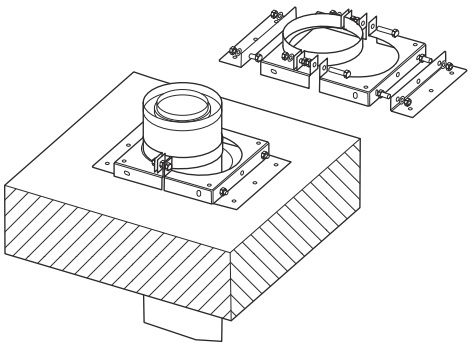
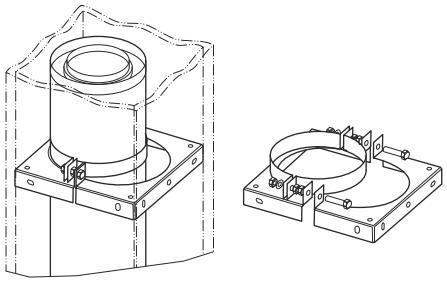
## 4.4 Requirements on the concentric flue system

**Caution:**

- Make sure that no flammable materials are located close to the flue system. The outer walls of the flue system can be 150 °C.
- Make sure that the concentric flue system is in a casing.
  - Make sure that the casing is made of heat resistant material.
  - Make sure that air can flow in the casing. Use grates near the floor and near the ceiling. Do this for every floor where the casing is located.
- Do not insulate the concentric flue.

The parts that are required for the installation of the concentric flue system are numbered in the illustrations and refer to the part list in *6*.

Use the universal wall/floor support (number 36 in the part list) to attach the concentric flue system to the casing and/or the floor.

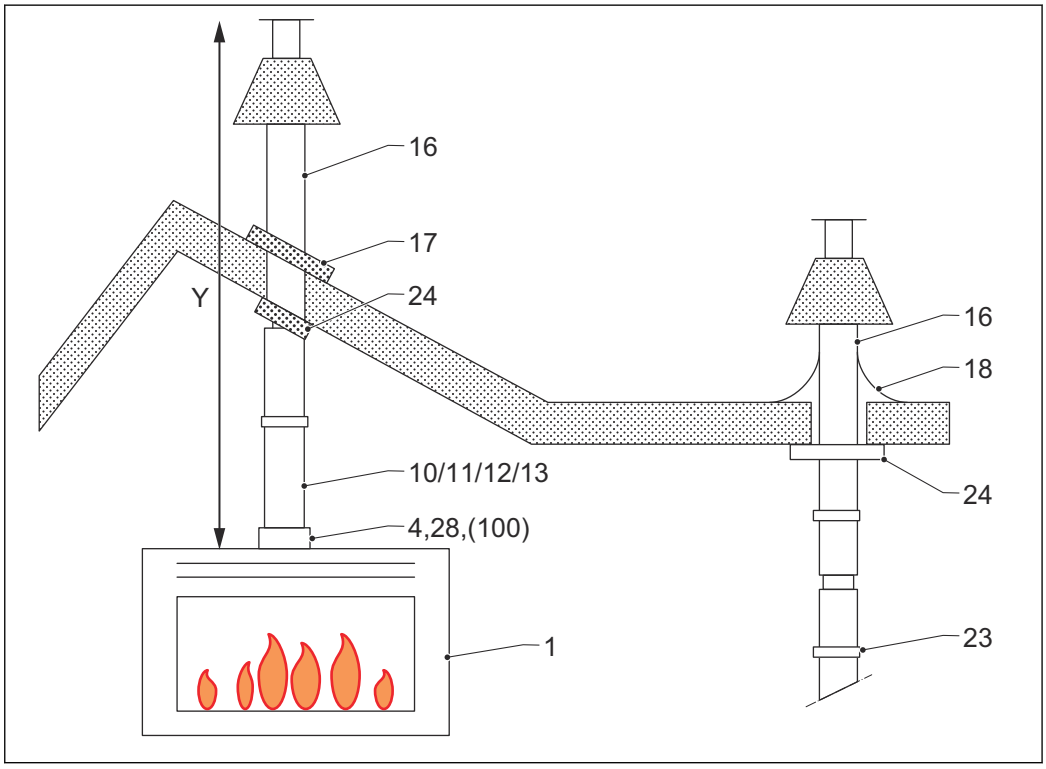
| Floor support | Wall support |
|---|---|
|  |  |

Install a concentric flue system as described in this section.

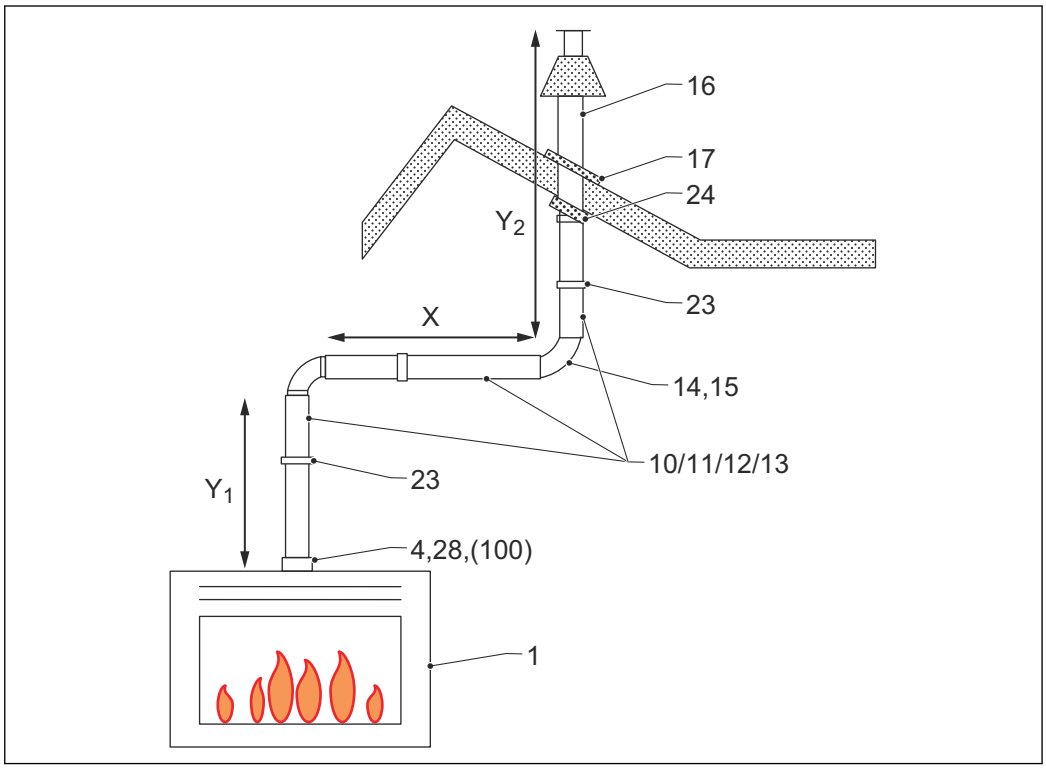
Some configurations of the concentric flue system require the installation of a flue restriction plate. Different sizes of the flue restriction plate are delivered with the appliance. Refer to the Installation and maintenance manual.

## 4.4.1 Possibilities for a concentric flue system with a roof outlet

**Rigid concentric flue systems**




| | | Y (min. - max.) | Flue gas restriction plate width |
|---|---|---|---|
| | | | Concentric connection on the appliance is Ø100-Ø150 mm |
| | | 2.0 - 4.0 m | 30 mm |
| | | 4.0 - 12.0 m | 40 mm |

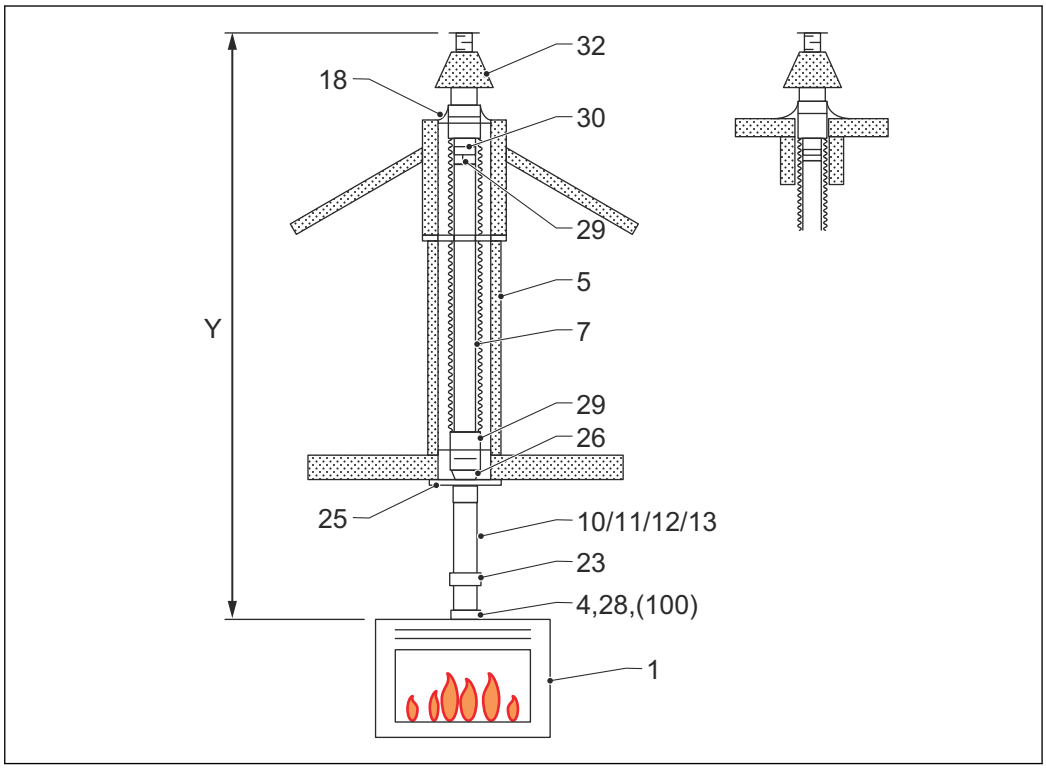



| $Y_1$ (min. - max.) | X (min. - max.) | $Y_1 + Y_2$ (min. - max.) | Flue gas restriction plate width |
|---|---|---|---|
| | | | Concentric connection on the appliance is Ø100-Ø150 mm |
| 1.0 - 11.0 m | 0 - 3.0 m | 1.0 - 11.0 m | - |

**Caution:**

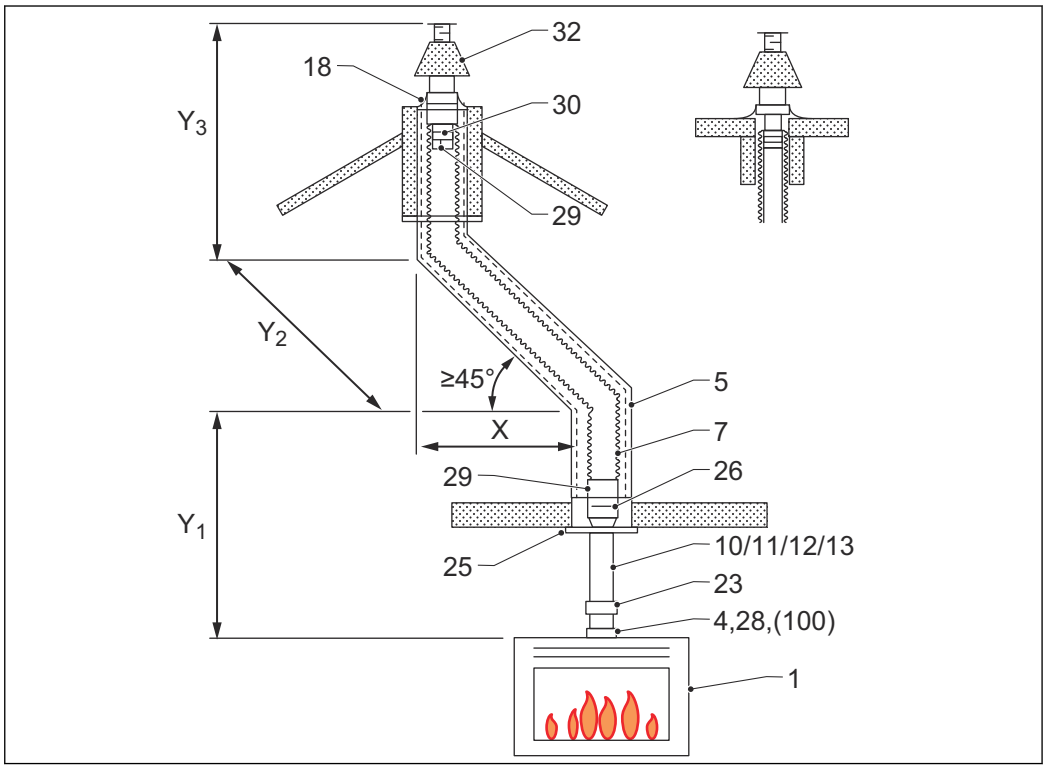
Make sure that $Y_1 + Y_2$ is at least 2 times larger than X.

**Flexible concentric flue systems**




| | | Y (min. - max.) | Flue gas restriction plate width |
|---|---|---|---|
| | | | Concentric connection on the appliance is Ø100-Ø150 mm |
| | | 2.0 - 4.0 m | 30 mm |
| | | 4.0 - 12.0 m | 40 mm |

Roof outlet using an flexible Ø100 mm liner in an existing lined chimney.

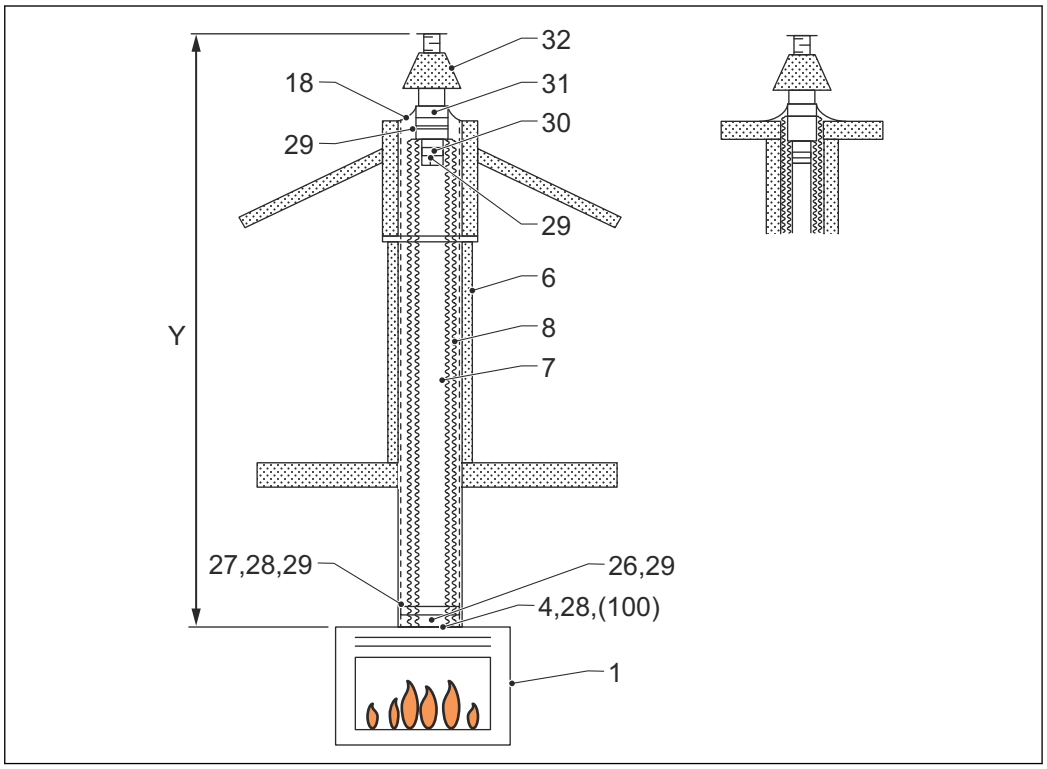



| $Y_1$ (min. - max.) | X (min. - max.) | $Y_1 + Y_2 + Y_3$ (min. - max.) | Flue gas restriction plate width |
|---|---|---|---|
| | | | Concentric connection on the appliance is Ø100-Ø150 mm |
| 1.0 - 11.0 m | 0 - 3.0 m | 1.0 - 11.0 m | - |

**Caution:**

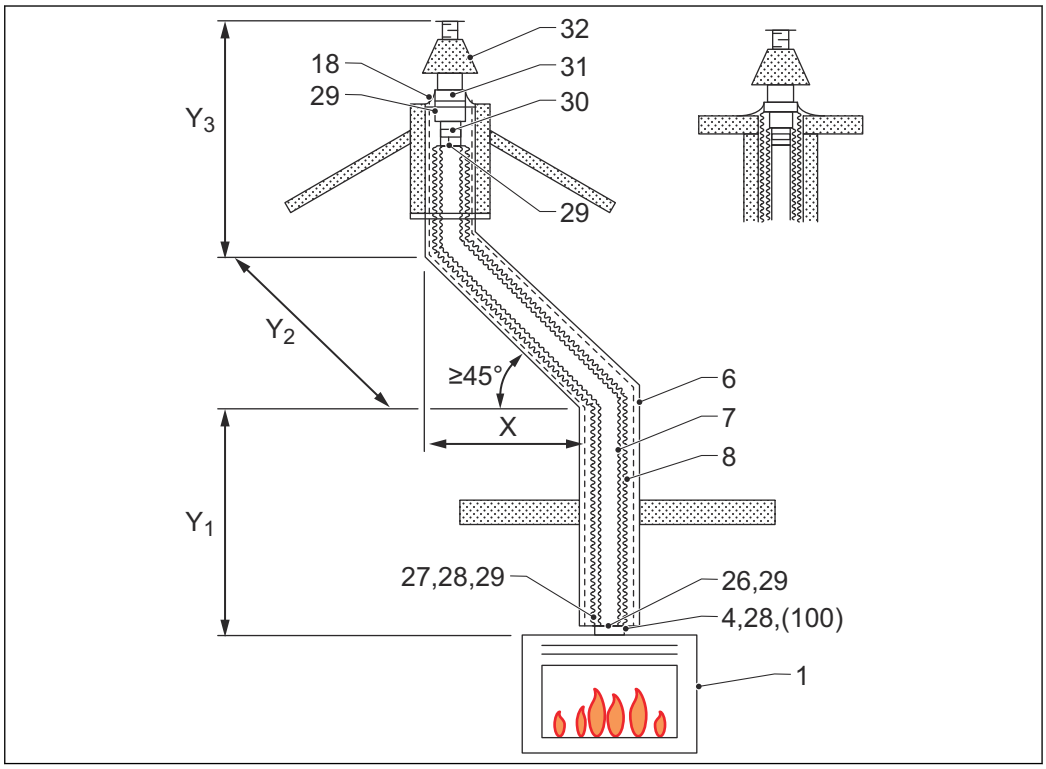
Make sure that $Y_1 + Y_2 + Y_3$ is at least 2 times larger than X.

Roof outlet using an flexible Ø100 mm liner in an existing lined chimney.




| | | Y (min. - max.) | Flue gas restriction plate width |
|---|---|---|---|
| | | | Concentric connection on the appliance is Ø100-Ø150 mm |
| | | 2.0 - 4.0 m | 30 mm |
| | | 4.0 - 12.0 m | 40 mm |

Roof outlet using an flexible Ø100 mm liner and flexible Ø150 mm liner in an existing unsound lined chimney.




| $Y_1$ (min. - max.) | X (min. - max.) | $Y_1 + Y_2 + Y_3$ (min. - max.) | Flue gas restriction plate width |
|---|---|---|---|
| | | | Concentric connection on the appliance is Ø100-Ø150 mm |
| 1.0 - 11.0 m | 0 - 3.0 m | 1.0 - 11.0 m | - |

**Caution:**

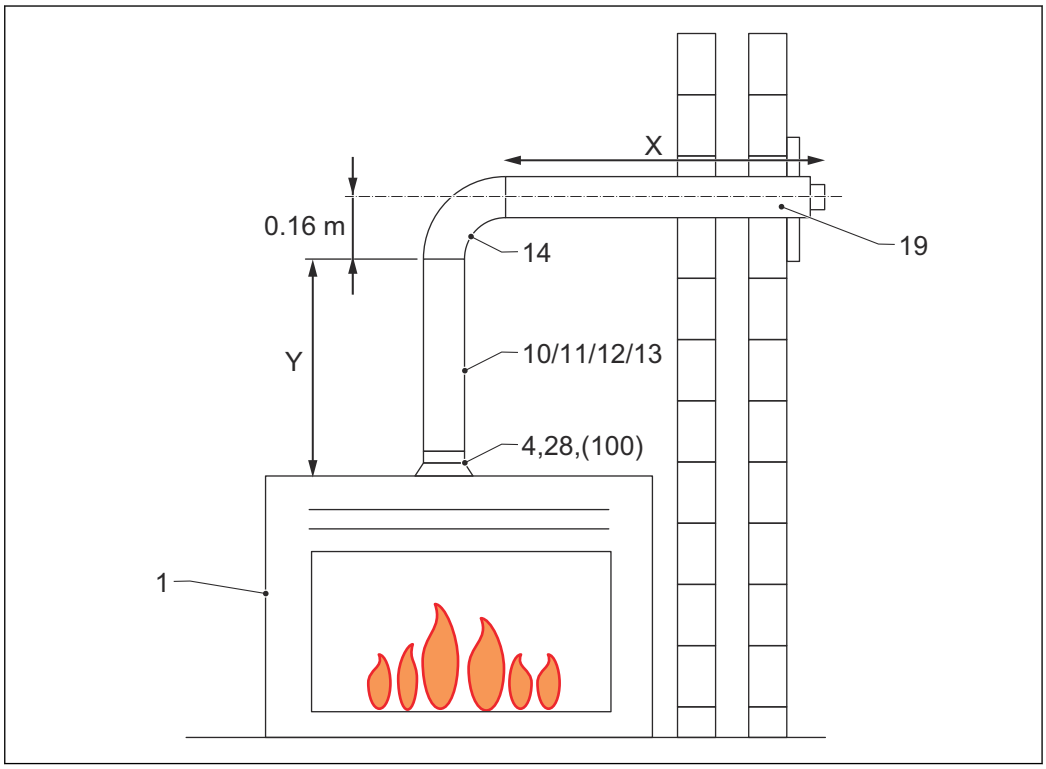
Make sure that $Y_1 + Y_2 + Y_3$ is at least 2 times larger than X.

Roof outlet using an flexible Ø100 mm liner and flexible Ø150 mm liner in an existing unsound lined chimney.

### 4.4.2 Possibilities for a concentric flue system with a wall outlet

Install the wall outlet in the correct position as shown in the figure. The centre of the inner pipe must be positioned above the centre of the outer pipe.

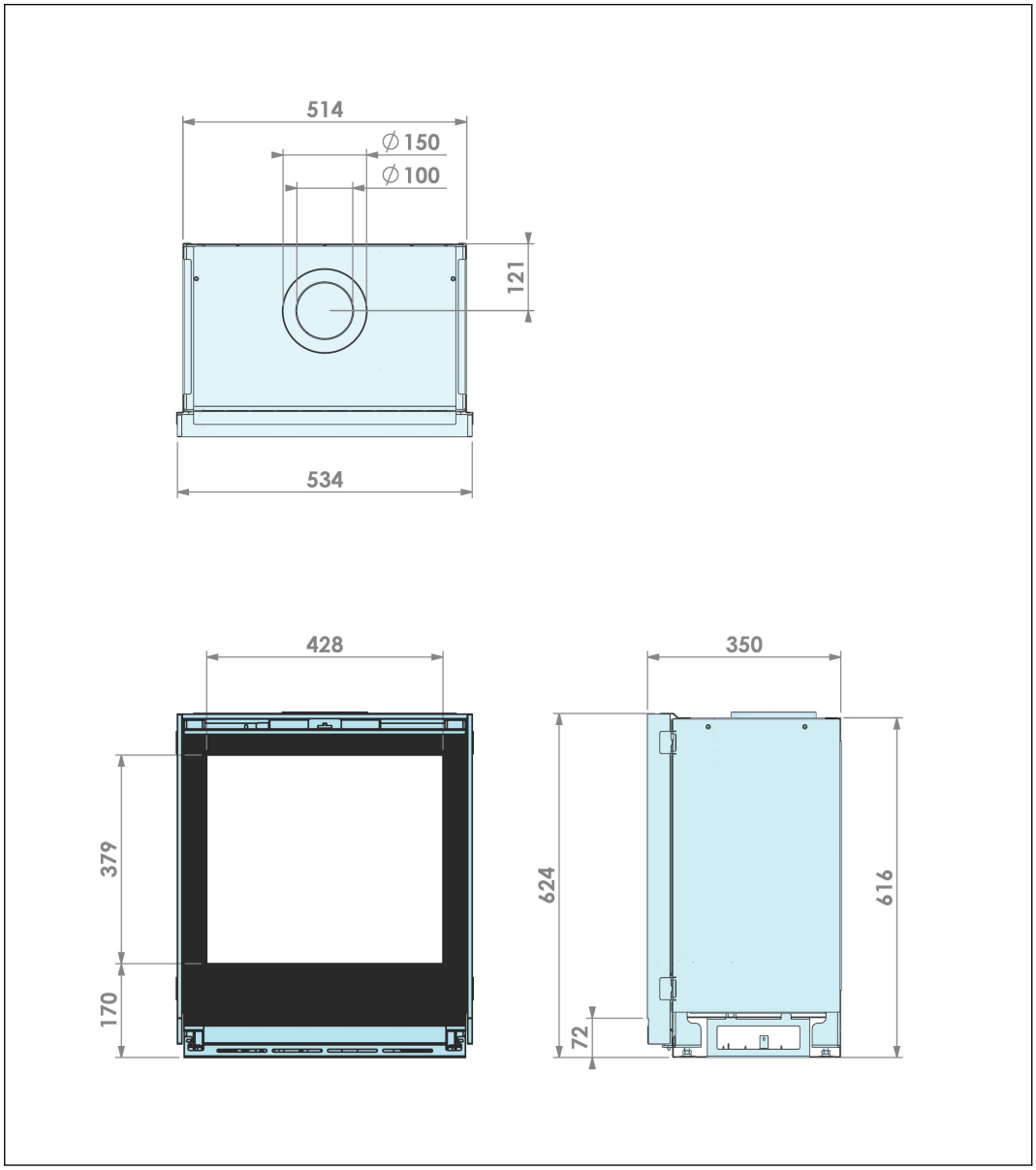
**Rigid concentric flue systems**



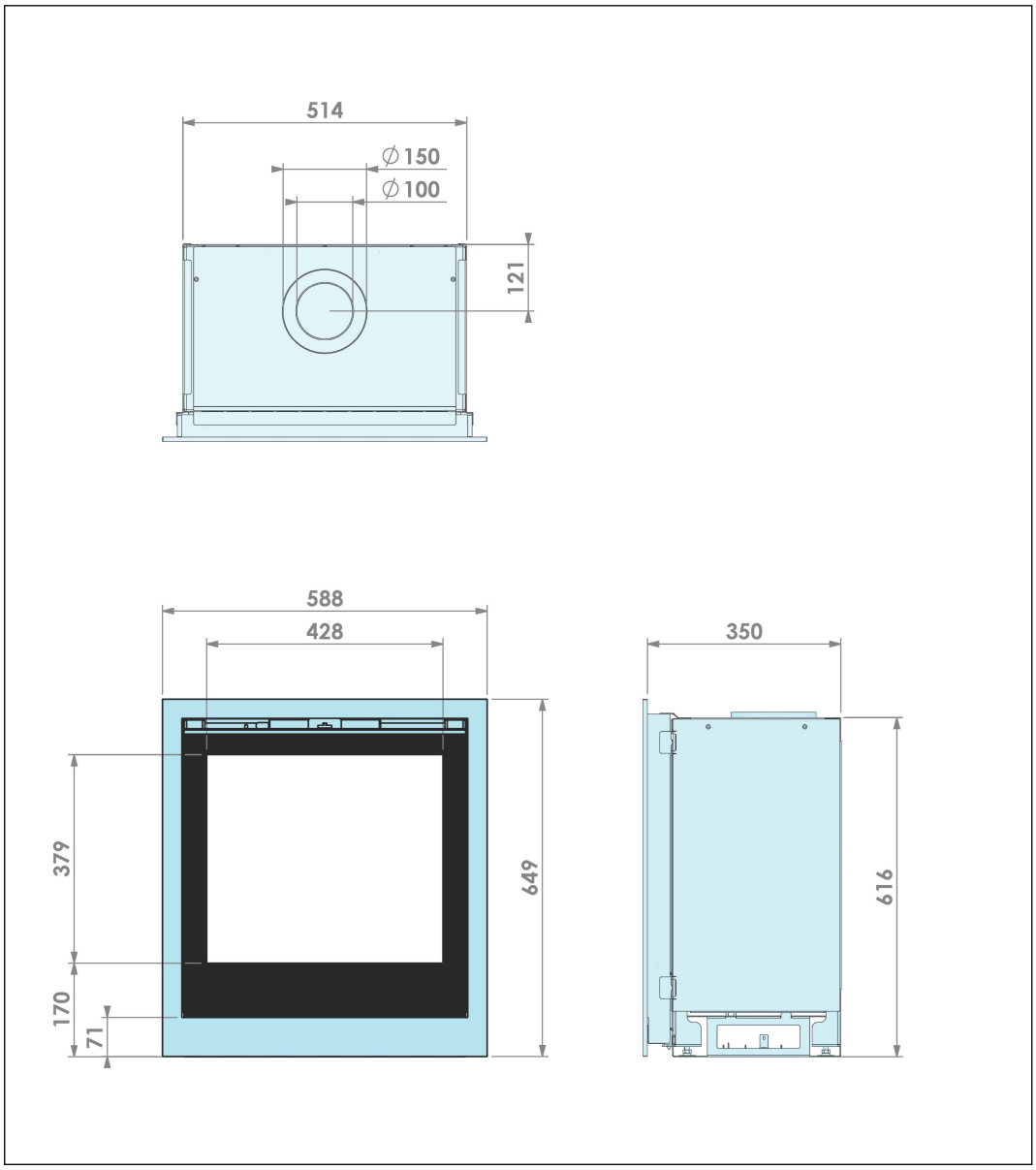

| | | Y (min. - max.) | X (min. - max.) | Flue gas restriction plate width |
|---|---|---|---|---|
| | | | | Concentric connection on the appliance is Ø100-Ø150 mm |
| | | 1.0 - 2.0 m | 0 - 5.0 m | - |

# 5 Technical specification

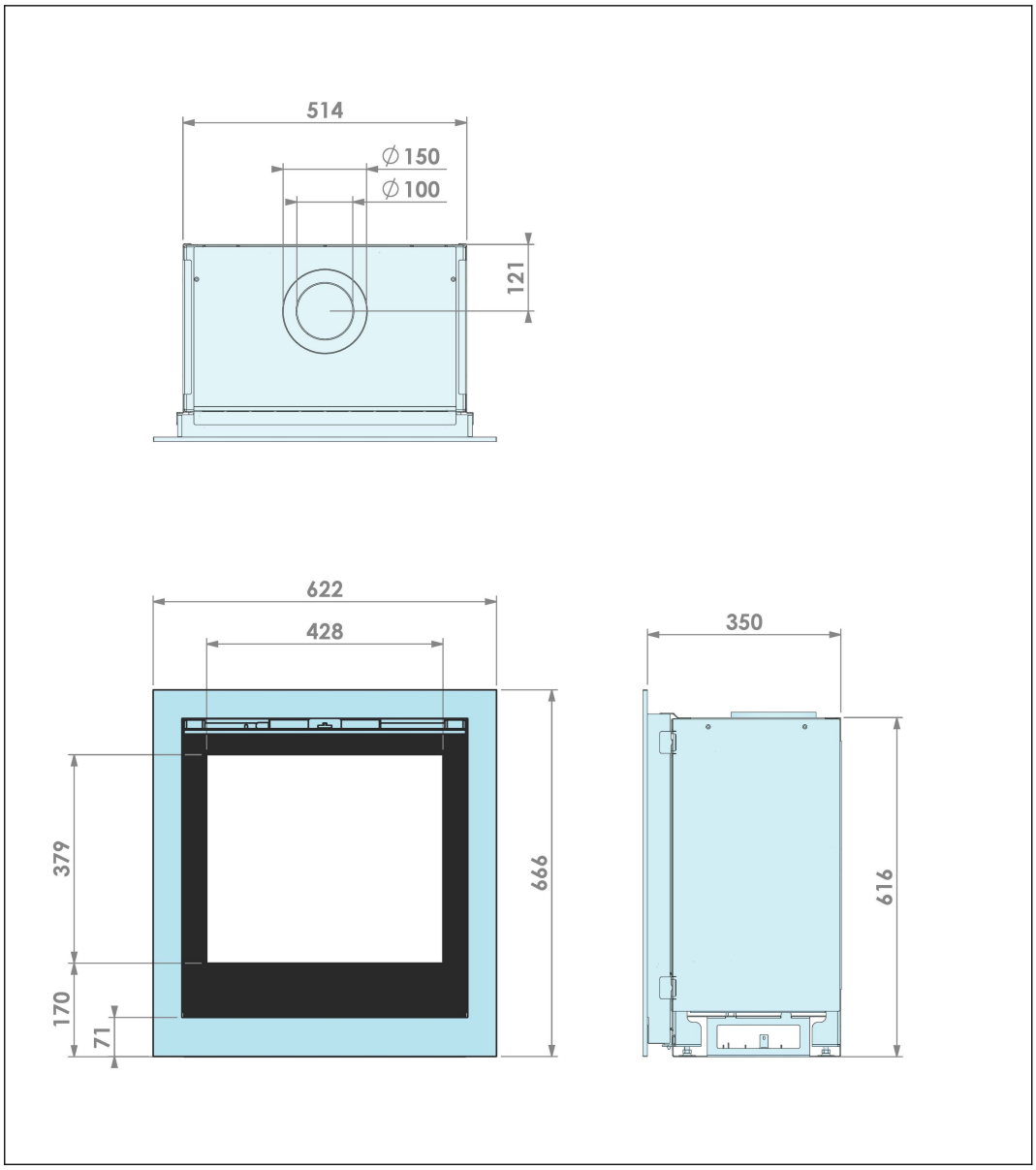
## 5.1 Dimensions Smart Bell 55/60 with a Built-in frame



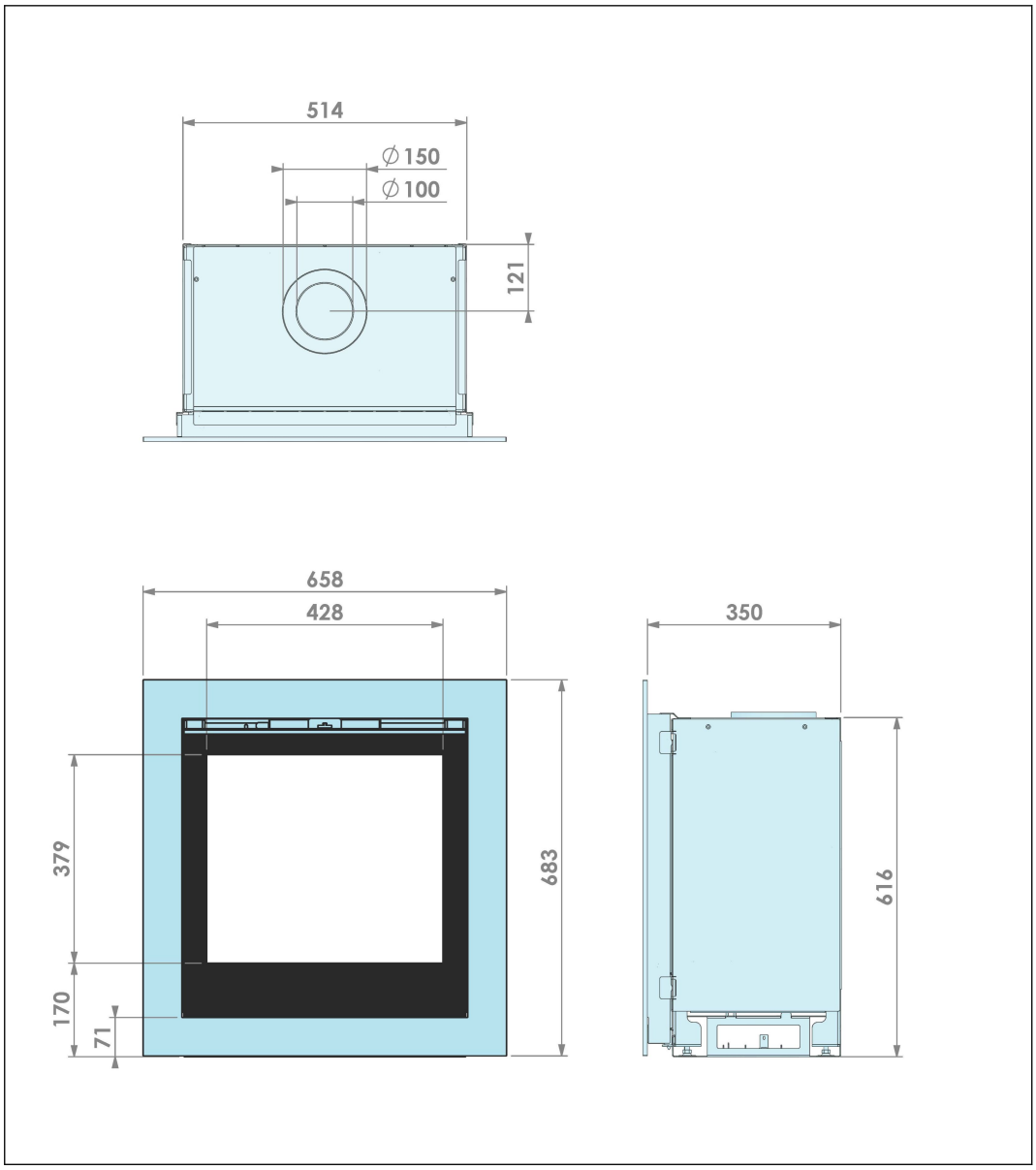
## 5.2 Dimensions Smart Bell 55/60 with a Classic frame 35 mm



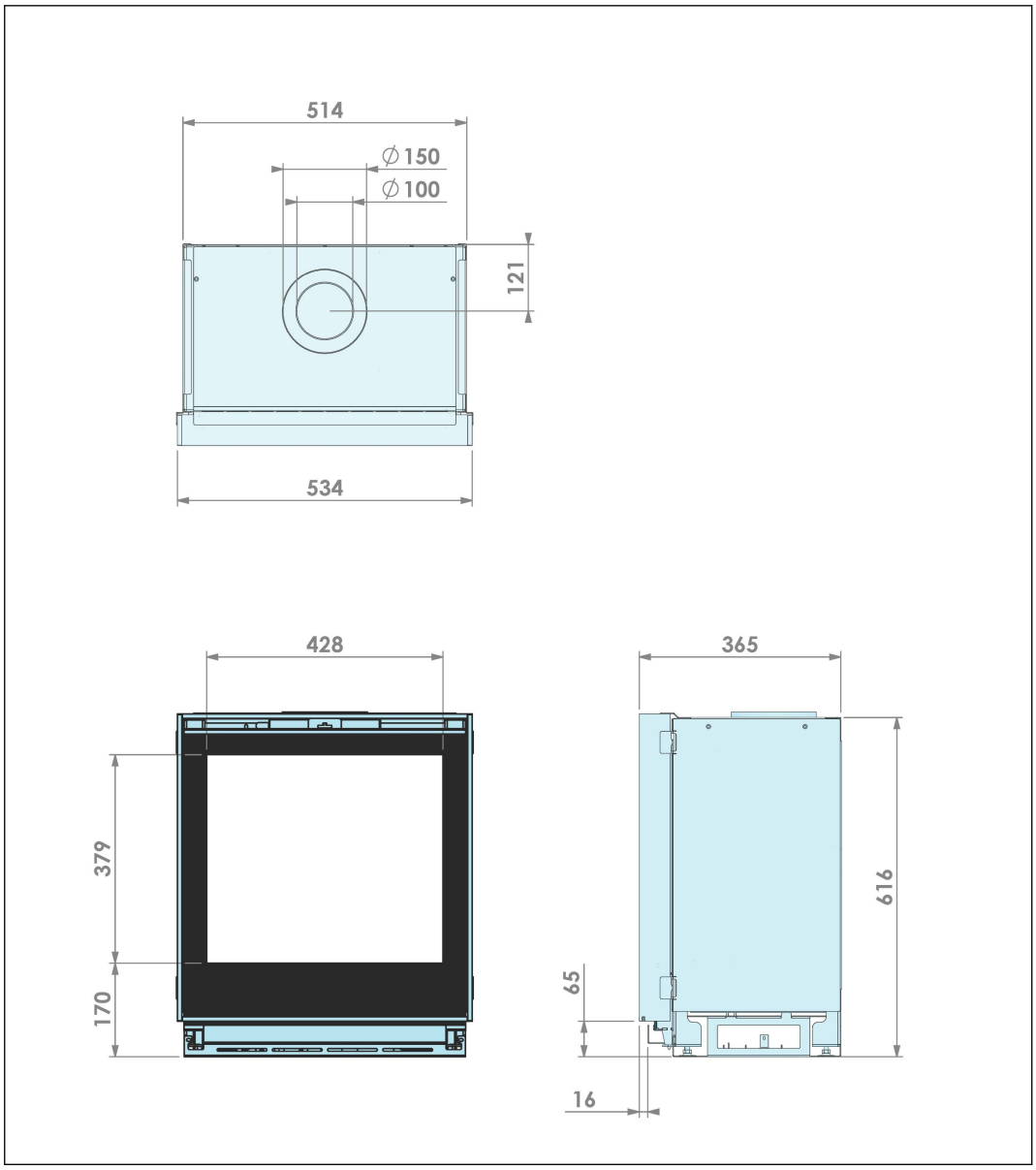
## 5.3 Dimensions Smart Bell 55/60 with a Classic frame 52 mm



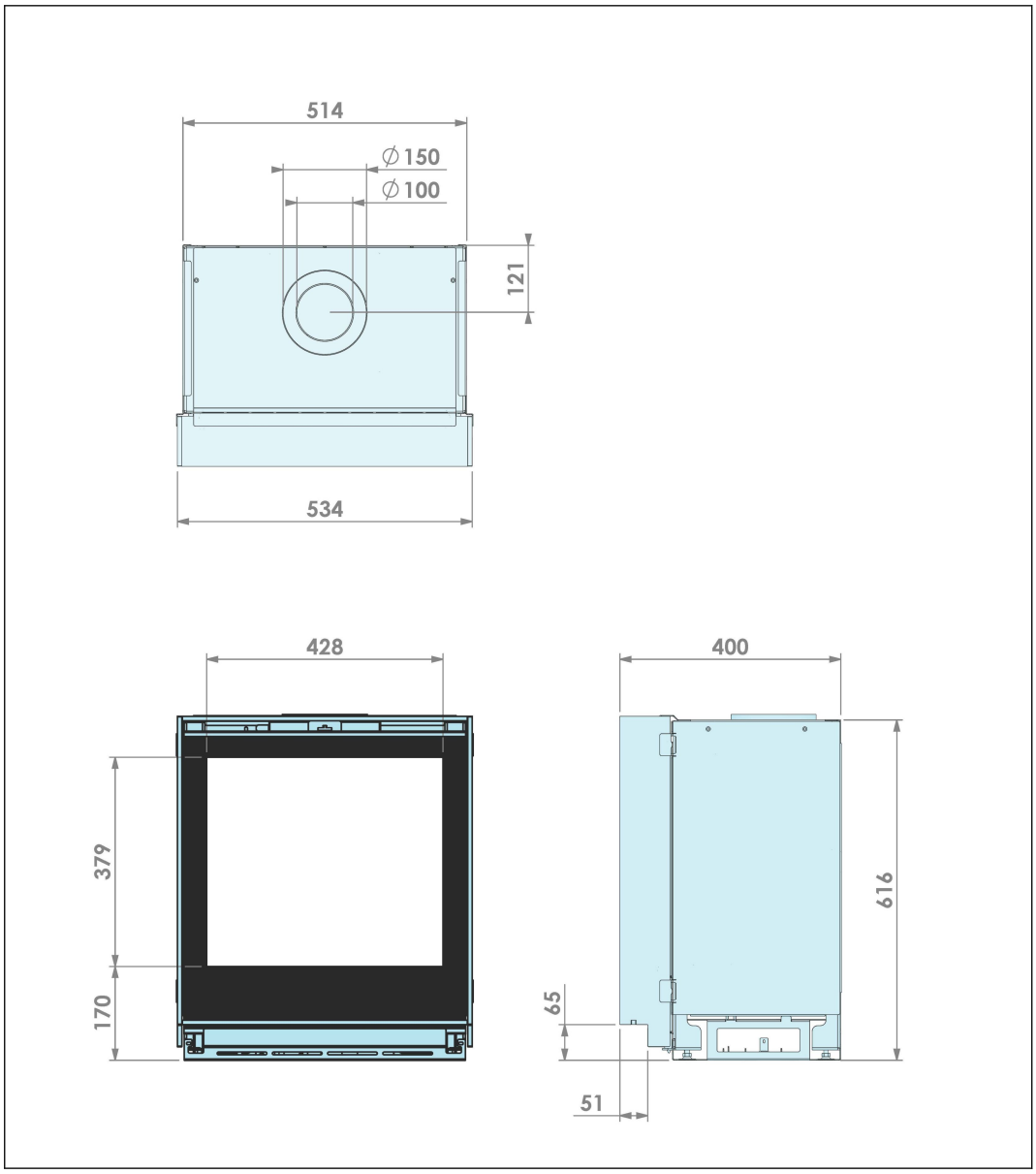
## 5.4 Dimensions Smart Bell 55/60 with a Classic frame 70 mm



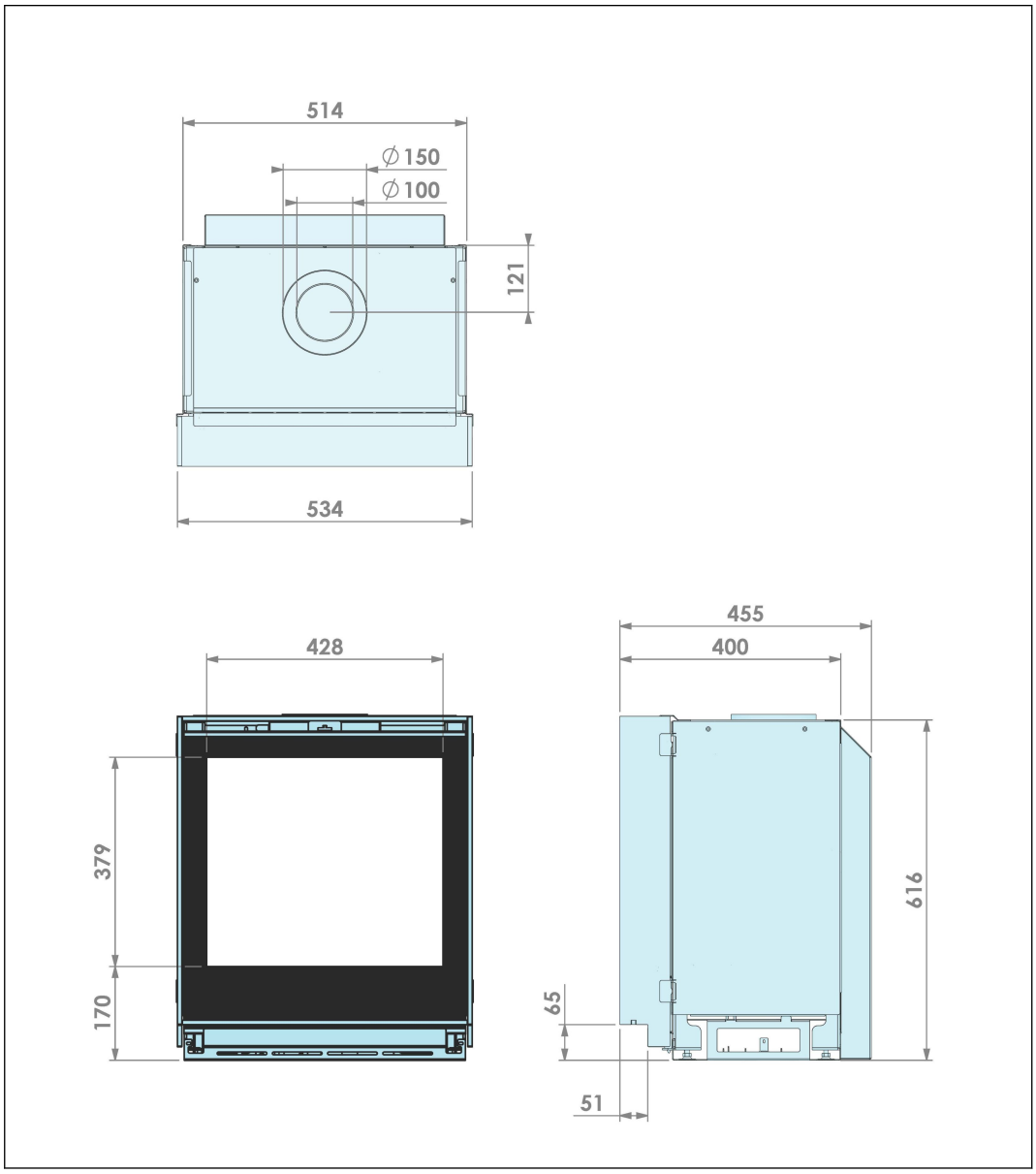
## 5.5 Dimensions Smart Bell 55/60 with an Insert frame 15 mm



## 5.6 Dimensions Smart Bell 55/60 with an Insert frame 50 mm



## 5.7 Dimensions Smart Bell 55/60 with an Insert frame 50 mm and Convection fan




## 5.8 Dimensions of the restriction plate

| Width of the delivered flue restriction plates in mm |
|---|
| Concentric flue connection Ø100 - Ø150 |
| Roof-mounted outlet |
| 30 |
| 40 |
| 50 |
| 65 |

# 6 Available components for the concentric flue system

**Caution:**

Observe the installation instructions that are supplied with the components of the concentric flue system.

The gas fire, in combination with the concentric flue system [Ø100 mm - Ø150 mm] (rigid and/or flexible) for the brand types mentioned below, has been approvedin accordance with the European CE-norm for gas appliances and may therefore beused only with these systems.

**Table 1: Approved brands**

| Manufacturer | system |
|---|---|
| Bellfires | Muelink & Grol system |
| Poujoulat | DUOGAS system |
| Ontop | Metaloterm US system |
| Jeremias/STB (STB = Schoorsteen Techniek-Brummen NL) | H-Twin system |
| Jeremias | TWIN-GAS system |
| Modinox | PLA system |

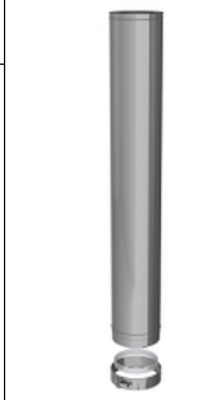
The permitted components for these systems are listedin this chapter. The guarantee on the appliance lapses if it is installed, fully or partially,with other components or a different flue system.The concentric flue [Ø100 mm - Ø150 mm] systems can beused with either a newly-built or existing chimney.

Make sure that the wall or roof termination kit that is used for the installation of the concentric flue system is also listed in the available parts list.

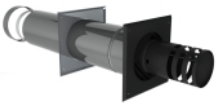
## 6.1 Appliance part list

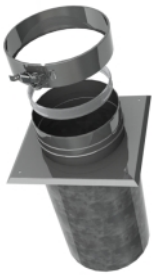
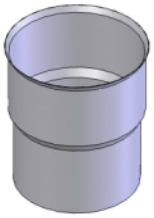
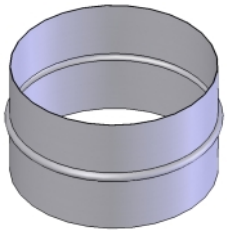
| Fig No. | Description |
|---|---|
| 1 | Gas fire; Concentric flue connection Ø100/Ø150 mm. |
| 2 | - |
| 3 | - |
| 4 | Restriction plate (The different sizes restriction plates are supplied with every appliance). |
| 5 | Chimney, min. Ø150 mm internal, totally gas tight. |
| 6 | Chimney or fireproof sleeving. min. Ø160 mm internal. |
| 7 | Ø100 mm internal flexible stainless steel gas vent chimney liner AISI 316TI. |
| 8 | Ø150 mm internal flexible stainless steel gas vent chimney liner AISI 316TI. |
| 9 | - |

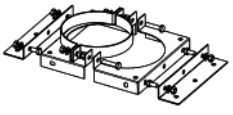
## 6.2 Bellfires - Muelink & Grol system Ø100 - Ø150

| Fig. No. | Bellfires Art./ Order No. | Description | | Color (*) | | Application | |
|---|---|---|---|---|---|---|---|
| | | | | stainless steel | antr. | rigid | flex |
| 10 | 302289 | Twin-wall balanced flue pipe. L= 500 mm. | | • | | • | |
| | 346236 | Twin-wall balanced flue pipe. L= 500 mm. BLACK | | | • | • | |
| 11 | 302290 | Twin-wall balanced flue pipe. L= 1000 mm. |  | • | | • | |
| | 346234 | Twin-wall balanced flue pipe. L= 1000 mm. BLACK | | | • | • | |
| 12 | 302291 | Telescopic twin-wall balanced flue pipe, L= min. 325 / max. 440 mm. | | • | | • | |
| | 346511 | Telescopic twin-wall balanced flue pipe, L= min. 965 / max. 1750 mm. | | • | | • | |
| 13 | 302292 | Adjustable length twin-wall balanced flue pipe, L= 500 mm. | | • | | • | |
| | 346237 | Adjustable length twin-wall balanced flue pipe, L= 500 mm. BLACK | | | • | • | |
| 14 | 302299 | Twin-wall balanced flue elbow 90°. (smooth) | | • | | • | |
| | 346238 | Twin-wall balanced flue elbow 90°. (smooth), black | | | • | • | |

| Fig. No. | Bellfires Art./ Order No. | Description | | Color (*) | | Application | |
|---|---|---|---|---|---|---|---|
| | | | | stainless steel | antr. | rigid | flex |
| 14 | 302297 | Twin-wall balanced flue elbow 90°. (ribbed) | | • | | • | |
| | 346239 | Twin-wall balanced flue elbow 90°. (segment) BLACK | | | • | • | |
| 15 | 302298 | Twin-wall balanced flue elbow 45°. (ribbed) | | • | | • | |
| | 346240 | Twin-wall balanced flue elbow 45°. (segment) BLACK | | | • | • | |
| | 329514 | Twin-wall balanced flue elbow 30°. (ribbed) | | • | | • | |
| | 346507 | Twin-wall balanced flue elbow 15°. (segment) | | • | | • | |

| Fig. No. | Bellfires Art./ Order No. | Description | | Color (*) | | Application | |
|---|---|---|---|---|---|---|---|
| | | | | stainless steel | antr. | rigid | flex |
| 16 | 302295 | Vertical (roof) termination kit, L= 1360 mm. ANTHRACITE | | • | • | • | • |
| 17 | 302212 | Adjustable roof flashing. Roof pitch 20° - 45° (**),with lead flashing. | | • | | • | • |
| 18 | 302213 | Roof flashing for existing chimney or flat roof. | | • | | • | • |
| 19 | 302296 | Horizontal (wall) termination kit, L= 600 mm (adjustable), including a set of wall spacer plates. ANTHRACITE |  | • | • | • | • |
| | 346241 | Horizontal (wall) termination kit, L= 600 mm (adjustable), including a set of wall spacer plates. Stainless steel. BLACK | | | • | • | • |
| | 343949 | Horizontal (wall) termination kit, L= 600 mm (adjustable), including a set of wall spacer plates. Stainless steel. | | • | | • | • |
| 20 | 302293 | Stainless steel locking band Ø150 mm, quick-fastening. | | • | | • | • |
| 21 | 302210 | Silicone seal Ø150 mm. | | | | • | • |

| Fig. No. | Bellfires Art./ Order No. | Description | | Color (*) | | Application | |
|---|---|---|---|---|---|---|---|
| | | | | stainless steel | antr. | rigid | flex |
| 23 | 302215 | Wall strap. | | • | | • | • |
| 24 | 302214 | Set of ceiling finishing plates / Fire stops. | | • | | • | • |
| 25 | 302189 | Ceiling plate for transition Ø100 mm / Ø150 mm rigid -Ø100 mm flex.). |  | • | | • | • |
| 26 | 302278 | Stainless steel adapter piece (100) from appliance to flexible, Ø100 mm external (rigid) x Ø107 mm internal (flex.). [appliance - Ø100 mm flex.] and [Ø100 mm rigid - Ø100 mm flex.]. |  | • | | | • |
| 27 | 302279 | Stainless steel adapter piece (150) fire to flexible, Ø148 mm external (rigid) x Ø148 mm internal (flex.)[appliance - Ø150 mm flex.]. |  | • | | | • |
| 28 | 302217 | Stainless steel locking band Ø150 mm. For adapter 150 [appliance - Ø150 mm (flex.)], Screw-fastening. | | • | | • | • |
| 29 | 303776 | Stainless steel screws Ø3.5 mm x 9.5 mm. For securing the flexible concentric flue. (Minimum 3 screws per connection). | | • | | | • |
| 30 | 304041 | Hose clamp Ø100 mm. (Minimum 2 per connection). | | • | | | • |

| Fig. No. | Bellfires Art./ Order No. | Description | | Color (*) | | Application | |
|---|---|---|---|---|---|---|---|
| | | | | stainless steel | antr. | rigid | flex |
| 31 | 304042 | Hose clamp Ø150 mm. (Minimum 2 per connection) | | • | | | • |
| 32 | 302307 | Vertical (roof) termination kit, L = 610 mm. Suitable for a flexible flue system. ANTHRACITE | | • | • | • | • |
| 33 | 302301 | Concentric T-piece with gauging orifice. | | • | | • | |
| 34 | 302302 | Concentric pipe with gauging orifice, L = 165 mm. | | • | | • | |
| 35 | 302303 | 90° concentric bend with inspection panel. | | • | | • | |
| 36 | 321948 | Universal wall / floor support Ø150 mm |  | • | | • | |

(*)Color

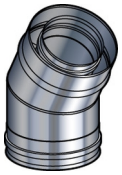
- Stainless steel, polished
- antr. : Anthracite or Black color lacquer, matt

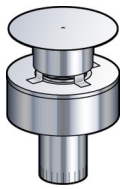
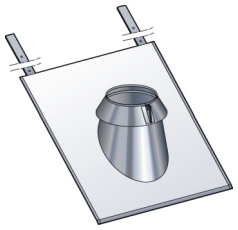
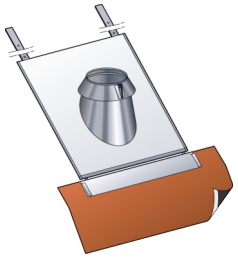
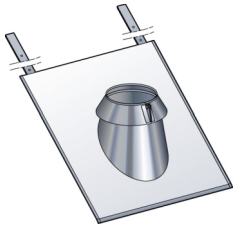
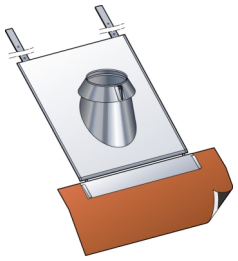
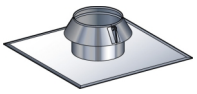
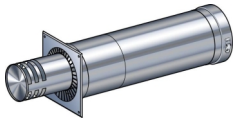
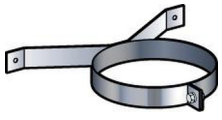
(**) Adjustable roof flashing for a slope > 45° can be supplied on request.

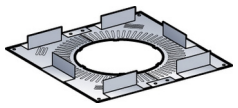
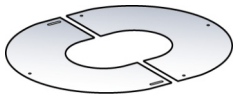
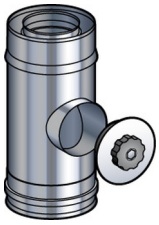
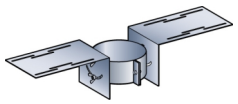
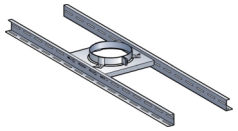
When installing a balanced-flue “closed” gas appliance in an existing chimney, ensure stainlesssteel flexible liners (Ø100 mm or Ø130 mm) conforming with EN 1856-2 are

used to extractthe flue gasses. The temperature classification of the flexible pipe must be at least T450.

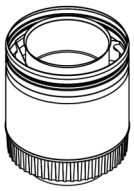
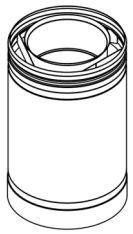
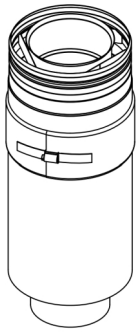
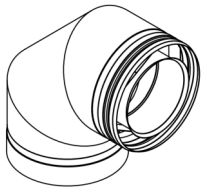
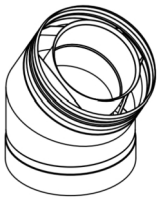
## 6.3 Poujoulat - DUOGAS system Ø100 - Ø150

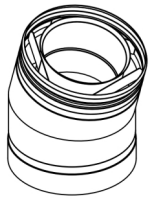
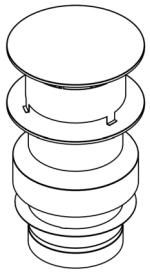
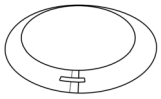
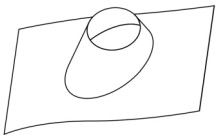
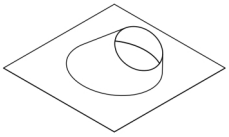
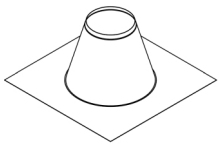
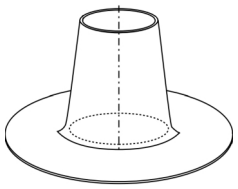
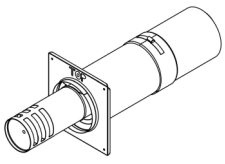
| Fig No. | Poujoulat Art./ Order No. | Description | |
|---|---|---|---|
| | 34100403 | Twin-wall balanced flue pipe, L= 250 mm. | |
| 10 | 34100404 | Twin-wall balanced flue pipe. L= 450 mm. | |
| 11 | 34100405 | Twin-wall balanced flue pipe. L= 950 mm. | |
| 12 | 34100429 | Telescopic twin-wall balanced flue pipe, L= min. 390 / max. 640 mm. | |
| 14 | 34100441 | Twin-wall balanced flue elbow 90°. | |
| 15 | 34100421 | Twin-wall balanced flue elbow 45°. | |
| 15 | 34100411 | Twin-wall balanced flue elbow 30°. |  |
| 15 | 34100401 | Twin-wall balanced flue elbow 15°. | |

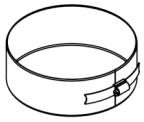
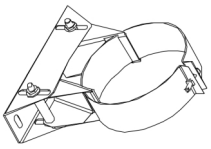
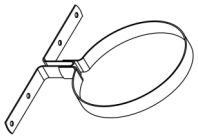
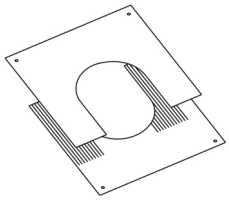
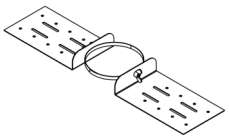
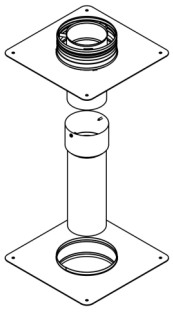
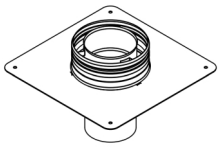
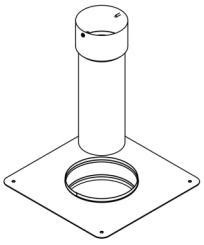
| Fig No. | Poujoulat Art./ Order No. | Description | |
|---|---|---|---|
| 16 | 34100654 | Vertical (roof) termination kit, L= 140 mm . |  |
| 17 | 45150171 | Roof flashing, suitable for a brick roof, with a roof pitch of 15°- 30°. |  |
| 17 | 45150170 | Roof flashing, suitable for a tiled roof, with a roof pitch of 15°- 30°. |  |
| 17 | 45150172 | Roof flashing, suitable for a brick roof, with a roof pitch of 30°- 45°. |  |
| 17 | 45150173 | Roof flashing, suitable for a tiled roof, with a roof pitch of 30°- 45°. |  |
| 18 | 45150169 | Roof flashing for existing chimney or flat roof. |  |
| 19 | 34100610 | Horizontal (wall) termination kit, L= min. 365 mm / max. 585 mm. |  |
| 20 | 45150076 | Stainless steel locking band Ø150 mm, quick-fastening. | |
| 23 | 45150072 | Wall strap, Ø150 mm. |  |

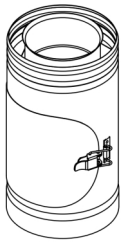
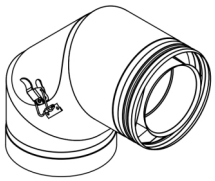
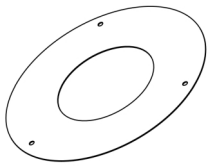
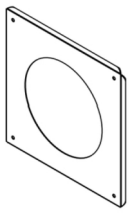
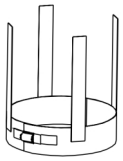
| Fig No. | Poujoulat Art./ Order No. | Description | |
|---|---|---|---|
| 24 | 37100442 | Ceiling/wall plate with spacers and ventilation grooves. |  |
| 24 | 37100425 | Set of ceiling finishing plates / Fire stops,suitable for a roof pitch of 0°- 10°. |  |
| 24 | 37100426 | Set of ceiling finishing plates / Fire stops,suitable for a roof pitch of 10°- 30°. | |
| 24 | 37100427 | Set of ceiling finishing plates / Fire stops,suitable for a roof pitch of 30°- 40°. | |
| 24 | 37100428 | Set of ceiling finishing plates / Fire stops,suitable for a roof pitch of 40°- 50°. | |
| 34 | 34100407 | Concentric pipe with inspection opening, L= 250 mm. |  |
| 36 | 45150165 | Roof support, (universal) Ø150 mm. |  |
| 36 | 45150081 | Floor support, (universal) Ø150 mm. |  |
| 37 | 34100611 | Adapter: Bellfires Ø100-150 mm → Poujoulat DUOGAS Ø100-150 mm(Appliance 100/150 → Poujoulat DUO-GAS 100/150) | |
| 100 | 34100614 | Adapter: Bellfires Ø130-200 mm → Poujoulat DUOGAS Ø100-150 mm(Appliance 130/200 → Poujoulat DUO-GAS 100/150) | |
| 101 | 34100613 | Concentric reduction of Poujoulat DUOGAS Ø130-200 mm → Poujoulat DUOGAS Ø100-150 mm | |

## 6.4 Ontop - Metaloterm US system Ø100 - Ø150

| Fig. No. | Ontop Art. / Order No. | Description | |
|---|---|---|---|
| | USA 10 | Adapter for Bellfires appliances with Ø100-Ø150 mm concentric connection. |  |
| | US 25 10 | Twin-wall balanced flue pipe, L = 250 mm. |  |
| 10 | US 50 10 | Twin-wall balanced flue pipe. L= 500 mm. | |
| 11 | US 100 10 | Twin-wall balanced flue pipe. L= 1000 mm. | |
| 12 | USPP 10 | Telescopic twin-wall balanced flue pipe, L= min. 60 / max. 250 mm. |  |
| 14 | USB 90 10 | Twin-wall balanced flue elbow 90°. |  |
| 15 | USB 45 10 | Twin-wall balanced flue elbow 45°. | |
| 15 | USB 30 10 | Twin-wall balanced flue elbow 30°. |  |

| Fig. No. | Ontop Art. / Order No. | Description | |
|---|---|---|---|
| 15 | USB 15 10 | Twin-wall balanced flue elbow 15°. |  |
| 16 | USDVC2 10 | Vertical (roof) termination kit, L= 375 mm. |  |
| 16 | USSR 10 | Storm collar Ø150 mm. |  |
| 17 | USLS 10 | Adjustable roof flashing. Roof pitch 20° - 45°, with lead flashing. |  |
| 17 | USDH 10 | Roof flashing plate for roof pitch 5°- 30°. |  |
| 18 | USDP 10 | Roof flashing for existing chimney or flat roof. |  |
| 18 | USDPAL 10 | Roof flashing - Aluminum - For existing chimney or flat roof. |  |
| 19 | USDHC5 10 | Horizontal (wall) termination kit, L= 475 mm (adjustable). |  |
| 20 | USKB 10 | Locking band, quick-fastening. | |

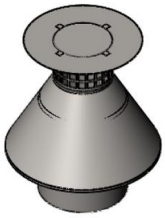
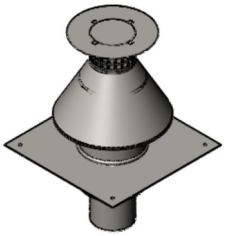
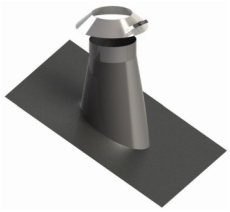
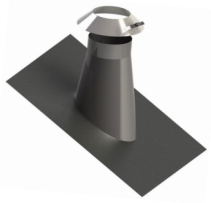
| Fig. No. | Ontop Art. / Order No. | Description | |
|---|---|---|---|
| 21 | USAB 10 | Cover band, screw-fastening. |  |
| 23 | USMB 10 | Wall strap, adjustable. |  |
| 23 | USEB 10 | Fitting bracket. |  |
| 24 | USCP 10 | Set of ceiling finishing plates / Fire stops /Centering plates. |  |
| 24 | USDQ 10 | Roof support. |  |
| 25 | USSAN 10 | Renovation set. |  |
| 25 | USSAN1 10 | Top of renovation set. |  |
| 25 | USSAN2 10 | Bottom renovation set. |  |

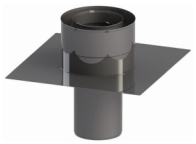
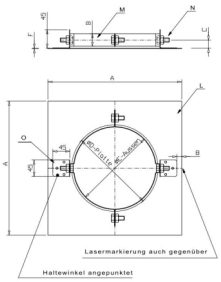
| Fig. No. | Ontop Art. / Order No. | Description | |
|---|---|---|---|
| 28 | USKBS 10 | Locking band, screw-fastening. | |
| | USI 10 | Concentric pipe with inspection panel,L= 250 mm. |  |
| 34 | USEM 10 | Concentric pipe with gauging orifice,L= 150 mm. | |
| 35 | USBI 10 | 90° concentric bend with inspection panel. |  |
| | USR 10 | Rosette smooth Ø150 mm. |  |
| | USMPG 10 | Wall plate large Ø150 mm, square 300 mm. |  |
| | USAH 10 | Spacer bracket. |  |
| | USVG 10 13 | Concentric reduction of Ø100-Ø150 mm → Ø130-Ø200 mm. | |

## 6.5 Jeremias/STB - H-Twin system Ø100 - Ø150

| Fig. No. | Jeremias Art. / Order No. | Description | |
|---|---|---|---|
| 11 | ATWINL 13100-150 | Twin-wall balanced flue pipe. L= 1000 mm. | |
| 10 | ATWINL 14100-150 | Twin-wall balanced flue pipe. L= 500 mm. | |
| 10 | ATWINL 15100-150 | Twin-wall balanced flue pipe. L= 250 mm. | |
| 12 | H-TWIN 742100-150 | Telescopic twin-wall balanced flue pipe, L= min. 1100 / max. 1400 mm. | |
| 12 | H-TWIN 467100-150 | Telescopic twin-wall balanced flue pipe, L= min. 1100 / max. 1900 mm. | |
| 12 | ATWIN 197100-150 | Telescopic twin-wall balanced flue pipe, L= min. 600 / max. 900 mm. | |
| 15 | ATWIN 16 100-150 | Twin-wall balanced flue elbow 15°. | |

| Fig. No. | Jeremias Art. / Order No. | Description | |
|---|---|---|---|
| 15 | ATWIN 17 100-150 | Twin-wall balanced flue elbow 30°. | |
| 15 | ATWIN 18 100-150 | Twin-wall balanced flue elbow 45°. | |
| 14 | ATWIN 60100-150 | Twin-wall balanced flue elbow 90°. | |
| 14 | ATWIN 60F100-150 | Twin-wall balanced flue elbow 90° - Short.Especially for connection to a wall termination. | |
| 16 | A 463100-150 | Roof termination - long, with pipe,L = 1080 mm, Vertical. | |

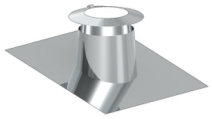
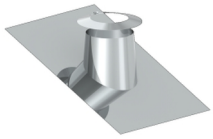
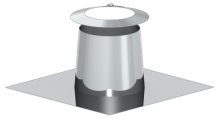
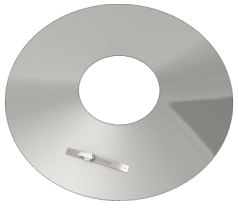
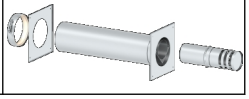
| Fig. No. | Jeremias Art. / Order No. | Description | |
|---|---|---|---|
| 16 | ATWIN 92100-150 | Roof termination - short with pipe,L = 300 mm, Vertical. |  |
| 32 | ATWIN 92pe100-150 | Roof termination, with pipe,L = 495 mm, Vertical, with roof flashing for existing chimney or flat roof. |  |
| 17 | ATWIN 45DD 100-150 | Roof flashing for roof pitch 30°,with lead flashing and storm collar. |  |
| 17 | ATWIN 60DD 100-150 | Roof flashing for roof pitch 45°,with lead flashing and storm collar. |  |
| | ATWIN 307 100-150 | Storm collar. | |
| 24 | ADBL-DW100-150 | Set of ceiling finishing plates / Fire stops. | |
| 20 | ATWIN 45100-150 | Locking band, Screw-fastening (Standard on all components). | |
| 23 | ATWIN 22100-150 | Wall strap, adjustable. | |
| 23 | ATWIN 23100-150 | Wall strap, distance adjustable 60-250 mm. | |

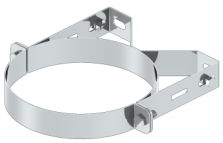
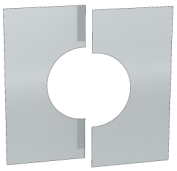
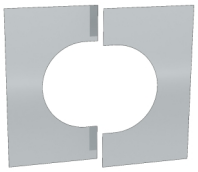
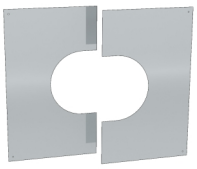
| Fig. No. | Jeremias Art. / Order No. | Description | |
|---|---|---|---|
| 19 | A681100-150 | Horizontal (wall) termination kit, L= 495 mm (horizontally adjustable), including one set of wall spacer plates. | |
| 33 | H-TWIN 752100-150 | Concentric T-piece with gauging orifice. Inspection panel with cover cap and condensation-opening. | |
| | ATWIN 465 100-150 | Adapter: H-TWIN Ø100-150 → Flex Stainless steel ; Ø100 mm Incl. Ceiling plate 300x300 mm. | |
| | ATWIN 466100-150 | Adapter: Flex Stainless steel; Ø100 mm → H-TWIN Ø100-150 Incl. Chimney(ceiling)plate 300x300 mm. |  |
| 36 | ASDH2 100-150 | Universal wall / floor supportØ150 mm. |   |
| 100 | A464 130 | Concentric reduction of H-TWIN Ø130 / Ø200 mm → H-TWIN Ø100 / Ø150 mm. | |

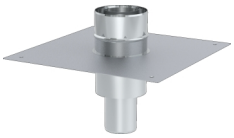
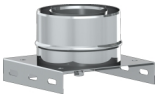
## 6.6 Jeremias - TWIN-GAS system Ø100 - Ø150

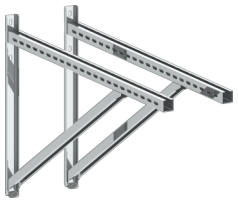
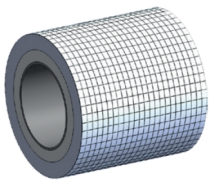
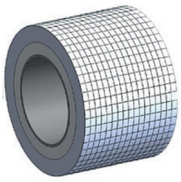
| Fig. No. | Jeremias Art. / Order No. | Description | |
|---|---|---|---|
| | TWG1634100-150 | Bellfires Appliance connection / AdapterBellfires Ø100/150 mm → Jeremias TWIN-GAS Ø100/150 mmL = 160 mmIncluding locking band (2x). | |
| 11 | TWG13100-150 | Twin-wall balanced flue pipe, L = 1000 mmIncluding locking band. | |
| 10 | TWG14100-150 | Twin-wall balanced flue pipe, L = 500 mmIncluding locking band. | |
| 10 | TWG15100-150 | Twin-wall balanced flue pipe, L = 250 mmIncluding locking band. | |
| | TWG1801100-150 | Twin-wall balanced flue pipe, L = 1000 mmwith 4 spacer brackets on the outsideIncluding locking band. | |

| Fig. No. | Jeremias Art. / Order No. | Description | |
|---|---|---|---|
| 12 | TWG50100-150 | Telescopic twin-wall balanced flue pipe,L= min. 330 / max. 420 mmIncluding locking band. | |
| 15 | TWG16100-150 | Twin-wall balanced flue elbow 15°. Including locking band. | |
| 15 | TWG17100-150 | Twin-wall balanced flue elbow 30°. Including locking band. | |
| 15 | TWG18100-150 | Twin-wall balanced flue elbow 45°. Including locking band. | |
| 14 | TWG60100-150 | Twin-wall balanced flue elbow 90°. Including locking band. | |
| 14 | TWG1786100-150 | Twin-wall balanced flue elbow 90° - with support leg Including locking band and sealing cap under. | |
| 14 | TWG1676100-150 | Twin-wall balanced flue elbow 90° - short - eccentric.Especially for connection to a wall termination TWG1619Including locking band. | |

| Fig. No. | Jeremias Art. / Order No. | Description | |
|---|---|---|---|
| 16 | TWG272100 -150 | Roof termination (vertical) L= 615 mm.Including locking band. | |
| 17 | TW53150 | Roof flashing with a roof pitch of 5° - 15°with flex. alu-flashing and storm collar. |  |
| 17 | TW59 150 | Roof flashing with a roof pitch of 16° - 25°with flex. alu-flashing and storm collar. |  |
| 17 | TW38 150 | Roof flashing with a roof pitch of 26° - 35°with flex. alu-flashing and storm collar. | |
| 17 | TW54 150 | Roof flashing with a roof pitch of 36° - 45°with flex. alu-flashing and storm collar. | |
| 18 | TW52150 | Roof flashing for existing chimney or flat roofwith storm collar. |  |
| | KL72150 | Storm collar(spare part). |  |
| 19 | TWG161910 0-150 | Wall termination kit, L= 600 mm (horizontal)Adjustable. Incl. locking band and one set of wall spacer plates. |  |

| Fig. No. | Jeremias Art. / Order No. | Description | |
|---|---|---|---|
| 20 | TW45150 | Locking band, screw-fastening(spare part). | |
| 21 | ALBI26150 | Silicone sealing ring for outer pipe(spare part). | |
| 23 | ZU-WA704150 | Wall strap. Distance to the wall: WA= 50 mm. |  |
| | ZU-WA891130 | Extension pieces for the wall strap ZUWA704L= 130 mm. | |
| | ZU-WA891200 | Extension pieces for the wall strap ZUWA704L= 200 mm. | |
| | ZU-WA891250 | Extension pieces for the wall strap ZUWA704L= 250 mm. | |
| | ZUWA706 | Extension pieces for the wall strap ZUWA704L= 400 mm, WA = 50 - 360 mm. | |
| 24 | ZU-DA074150 | Set of ceiling finishing plates / Fire stopsfor a flat roof : 0°. |  |
| 24 | ZU-DA99V150 | Set of ceiling finishing plates / Fire stopsfor a pitched roof : 0° - 30°. |  |
| 24 | ZU-DA98V150 | Set of ceiling finishing plates / Fire stopsfor a pitched roof : 31° - 45°. |  |

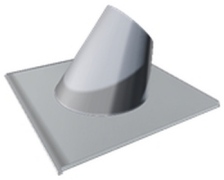
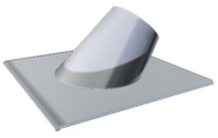
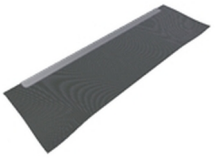
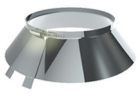
| Fig. No. | Jeremias Art. / Order No. | Description | |
|---|---|---|---|
| 24 | ZU-DA99VHL150 | Set of ceiling finishing plates / Fire stops with ventilation openings for a pitched roof : 0° - 30°. | |
| 24 | ZU-DA98VHL150 | Set of ceiling finishing plates / Fire stopswith ventilation openings for a pitched roof : 31° - 45°. | |
| 25 | FD08 100 | Adapter: TWIN-GAS to FLEX. (only for the inner pipe Ø100 mm). | |
| 25 | TWG1276D 100-150 | Chimney-/flat roof-/ceiling - platewith adapter: FLEX to TWIN-GAS. |  |
| 25 | ZU-WA1618100 | Adapter: TWIN-GAS to ‘Schaft’ (DE). | |
| 25 | TWG1732100-150 | Chimney-/flat roof-/ceiling - platewith adapter: Ø100 rigid/flex. to TWIN-GAS . | |
| 33 | TWG317100 -150 | Concentric T-piece 90°.Including locking band. | |
| 34 | TWG51100-150 | Concentric pipe with gauging orificeL= 200 mm. Including locking band. | |
| 35 | TWG10 100-150 | Concentric pipe, L= 300 mmwith cleaning opening/inspection panel.Including locking band. | |
| 35 | TWG19100-150 | Concentric elbow 90°with cleaning opening/inspection panel.Including locking band. | |
| 36 | TWG05100-150 | Base plate/Cover-under with 2x ½” gauging orifice, sealing cap and condensate drain at the bottom. |  |

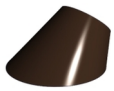
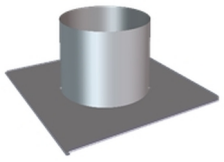
| Fig. No. | Jeremias Art. / Order No. | Description | |
|---|---|---|---|
| 36 | TWG07100-150 | Base plate / floor support. | |
| | DW391 | Wall support with transverse supportType I: 350 mm<br>- Distance to wall: WA= max. 50 mm. | |
| | DW392 | Wall support with transverse supportType II: 500 mm<br>- Distance to wall: WA= 50 - 150 mm. | |
| | DW393 | Wall support with transverse supportType III: 750 mm<br>- Distance to wall: WA= 150 - 250 mm. | |
| | DW407 | Wall support with transverse supportType IV: 1030 mm<br>- Distance to wall: WA= 250 - 360 mm. |  |
| (17-24) | LUX-ECO150 | Insulation roof flashing, L= Max. 500 mm (adjustable).<br>Wall thickness LUX-ECO Insulation: min. 25 mm. |  |
| (19) | LUX-ECO150 | Insulation wall flashing, L= Max. 360 mm(adjustable).<br>Wall thickness LUX-ECO Insulation: min. 25 mm. |  |

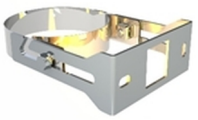
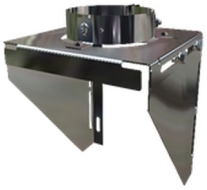
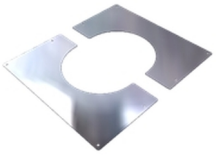
## 6.7 Modinox - PLA system Ø100 - Ø153

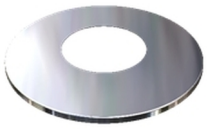
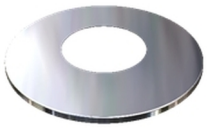
| Fig. No. | Modinox Art./ Order No. | Description | | Color (*) | | Application | |
|---|---|---|---|---|---|---|---|
| | | | | stainles steel | antr. | rigid | flex |
| | 2PLAMAFM100BEL | Bellfires appliance connection: Adapter Bellfires Ø100/150 mm → Modinox PLA Ø100/153 mm. L= 230 mm. INOX | | • | | • | |
| | 2PLAMAFM100BELNO | Bellfires appliance connection: Adapter Bellfires Ø100/150 mm → Modinox PLA Ø100/153 mm. L= 230 mm. INOX - BLACK | | | • | • | |
| 10 | 2PLAELDR100250 | Twin-wall balanced flue pipe, L= 250 mm., INOX | | • | | • | |
| | 2PLAELDR100250NO | Twin-wall balanced flue pipe, L= 250 mm., INOX - BLACK | | | • | • | |
| 10 | 2PLAELDR100330 | Twin-wall balanced flue pipe, L= 330 mm., INOX | | • | | • | |
| | 2PLAELDR100330NO | Twin-wall balanced flue pipe, L= 330 mm., INOX - BLACK | | | • | • | |
| 10 | 2PLAELDR100500 | Twin-wall balanced flue pipe, L= 500 mm., INOX | | • | | • | |
| | 2PLAELDR100500NO | Twin-wall balanced flue pipe, L= 500 mm., INOX - BLACK | | | • | • | |

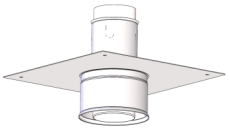
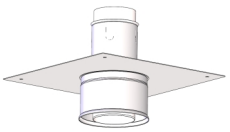
| Fig. No. | Modinox Art./ Order No. | Description | | Color (*) | | Application | |
|---|---|---|---|---|---|---|---|
| | | | | stainles steel | antr. | rigid | flex |
| 11 | 2PLAELDR1001000 | Twin-wall balanced flue pipe, L= 1000 mm., INOX | | • | | • | |
| | 2PLAELDR1001000NO | Twin-wall balanced flue pipe, L= 1000 mm., INOX - BLACK | | | • | • | |
| 12 | 2PLAELRE100500 | Telescopic twin-wall balanced flue pipe, L= min. 300 / max. 500 mm., INOX | | • | | • | |
| | 2PLAELRE100500NO | Telescopic twin-wall balanced flue pipe, L= min. 300 / max. 500 mm., INOX - BLACK | | | • | • | |
| 14 | 2PLACO90100 | Twin-wall balanced flue elbow 90°, INOX | | • | | • | |
| | 2PLACO90100NO | Twin-wall balanced flue elbow 90°, INOX - BLACK | | | • | • | |
| 15 | 2PLACO45100 | Twin-wall balanced flue elbow 45°, INOX | | • | | • | |
| | 2PLACO45100NO | Twin-wall balanced flue elbow 45°, INOX - BLACK | | | • | • | |
| 15 | 2PLACO30100 | Twin-wall balanced flue elbow 30°, INOX | | • | | • | |
| | 2PLACO30100NO | Twin-wall balanced flue elbow 30°, INOX - BLACK | | | • | • | |

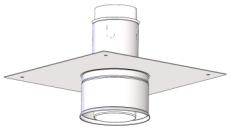
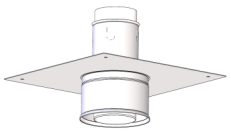
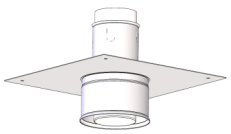
| Fig. No. | Modinox Art./ Order No. | Description | | Color (*) | | Application | |
|---|---|---|---|---|---|---|---|
| | | | | stainles steel | antr. | rigid | flex |
| 15 | 2PLACO15100 | Twin-wall balanced flue elbow 15°, INOX | | • | | • | |
| | 2PLACO15100NO | Twin-wall balanced flue elbow 15°, INOX - BLACK | | | • | • | |
| 16 | 2PLACHAR100 | Vertical (roof) termination cap, L= 360 mm, INOX | | • | | • | |
| | 2PLACHAR100NO | Vertical (roof) termination cap, L= 360 mm, INOX - BLACK | | | • | • | |
| 17 | 2DIVS5IN150 | Roof flashing for a roof pitch of 5°- 30°, INOX |  | • | | • | |
| | 2DIVS5IN150NO | Roof flashing for a roof pitch of 5°- 30°, INOX - BLACK | | | • | • | |
| 17 | 2DIVS3IN150 | Roof flashing for a roof pitch of 31°- 45°, INOX |  | • | | • | |
| | 2DIVS3IN150NO | Roof flashing for a roof pitch of 31°- 45°, INOX - BLACK | | | • | • | |
| 17 | 2DIVRTS1 | Roof tile fitting for roof flashing |  | | • | • | |
| 17 | 2DIVCSOL153 | Collar for roof flashing, INOX |  | • | | • | |
| | 2DIVCSOL153NO | Collar for roof flashing, INOX - BLACK | | • | | • | |
| | 2DIVJOCO155 | Sealing ring for collar roof flashing | | | | • | |

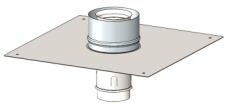
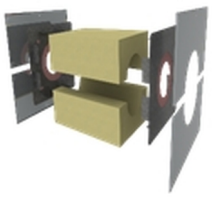
| Fig. No. | Modinox Art./ Order No. | Description | | Color (*) | | Application | |
|---|---|---|---|---|---|---|---|
| | | | | stainles steel | antr. | rigid | flex |
| 17 | 2DIVS5PS160 | Roof flashing, standard model, lead: 0,6mm thick, for a roof pitch of 5°- 30°, with INOX cone | | • | | • | |
| | 2DIVS5PR160 | Roof flashing, large tile model, lead: 1,0mm thick, for a roof pitch of 5°- 30°, with INOX cone | | • | | • | |
| | 2DIVS3PS160 | Roof flashing, standard model, lead: 0,6mm thick, for a roof pitch of 31°- 45°, with INOX cone | | • | | • | |
| | 2DIVS3PR160 | Roof flashing, large tile model, lead: 1,0mm thick, for a roof pitch of 31°- 45°, with INOX cone | | • | | • | |
| 17 | 2DIVC5LA153NO | Cone cover for roof flashing, lead, for a roof pitch of 5°- 30°, INOX - BLACK |  | | • | • | |
| | 2DIVC3LA153NO | Cone cover for roof flashing, lead, for a roof pitch of 31°- 45°, INOX - BLACK | | | • | • | |
| 18 | 2DIVSOIN150 | Roof flashing for existing chimney or flat roof, INOX |  | • | | • | |
| | 2DIVSOIN150NO | Roof flashing for existing chimney or flat roof, INOX - BLACK | | | • | • | |

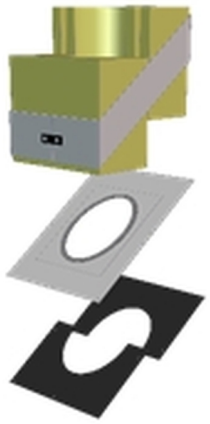
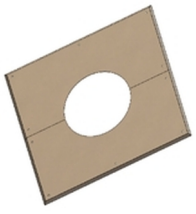
| Fig. No. | Modinox Art./ Order No. | Description | | Color (*) | | Application | |
|---|---|---|---|---|---|---|---|
| | | | | stainles steel | antr. | rigid | flex |
| 19 | 2PLATHOR100 | Horizontal (wall) termination kit, with rosettes, L= min. 580 mm / max. 780 mm. INOX | | • | | • | |
| | 2PLATHOR100NO | Horizontal (wall) termination kit, with rosettes, L= min. 580 mm / max. 780 mm. INOX - BLACK | | | • | • | |
| 20 | 2PLACOJO100 | Locking band, quick-fastening. INOX | | • | | • | |
| | 2PLACOJO100NO | Locking band, quick-fastening. INOX - BLACK | | | • | • | |
| 21 | 2PLAJOIF100 | Fiber seal | | | | • | |
| 23 | 2PLACOMU100 | Wall strap, INOX |  | • | | • | |
| | 2PLACOMU100NO | Wall strap, INOX - BLACK | | | • | • | |
| 23 | 2PLASUPLR100 | Wall support, quick fastening |  | • | | • | |
| 24 | 2PLACOCF100 | Set of ceiling finishing plates / Fire stops |  | • | | • | |
| 24 | 2PLAPVEN100 | Ceiling finishing plate with ventilation openings | | • | | • | |

| Fig. No. | Modinox Art./ Order No. | Description | | Color (*) | | Application | |
|---|---|---|---|---|---|---|---|
| | | | | stainles steel | antr. | rigid | flex |
| 24 | 2PLAROSA100BT | Rosette, INOX |  | • | | • | |
| | 2PLAROSA100BTNO | Rosette, INOX - BLACK | | | • | • | |
| | 2PLAROSA100BTBL | Rosette, INOX - WHITE | | | | • | |
| 24 | 2PLAROSA100 | Rosette with 4 mounting holes, INOX |  | • | | • | |
| | 2PLAROSA100NO | Rosette with 4 mounting holes, INOX - BLACK | | | • | • | |
| | 2PLAROSA100BL | Rosette with 4 mounting holes, INOX - WHITE | | | | • | |
| 34 | 2PLAEMES100 | Concentric pipe with gauging orifice, L= 250 mm, INOX | | • | | • | |
| | 2PLAEMES100NO | Concentric pipe with gauging orifice, L= 250 mm, INOX - BLACK | | | • | • | |
| 35 | 2PLAERAM100 | Concentric pipe with inspection/ cleaning opening, L= 260 mm. | | • | | • | |
| 36 | 2PLACOSO100 | Floor support strap | | • | | • | |
| 36 | 2PLACTOS100 | Roof strap | | • | | • | |

| Fig. No. | Modinox Art./ Order No. | Description | | Color (*) | | Application | |
|---|---|---|---|---|---|---|---|
| | | | | stainles steel | antr. | rigid | flex |
| 36 | 2PLAEPDS100 | Clearance roof/floor passage | | • | | • | |
| 25 | 2PLAADA71002020 | Adapter Modinox PLA → Flexible pipe, with chimney bottom finishing plate 200x200mm, INOX |  | • | | • | • |
| | 2PLAADA71002020NO | Adapter Modinox PLA → Flexible pipe, with chimney bottom finishing plate 200x200mm, INOX - BLACK | | | • | • | • |
| 25 | 2PLAADA71002525 | Adapter Modinox PLA → Flexible pipe, with chimney bottom finishing plate 250x250mm, INOX |  | • | | • | • |
| | 2PLAADA71002525NO | Adapter Modinox PLA → Flexible pipe, with chimney bottom finishing plate 250x250mm, INOX - BLACK | | | • | • | • |

| Fig. No. | Modinox Art./ Order No. | Description | | Color (*) | | Application | |
|---|---|---|---|---|---|---|---|
| | | | | stainles steel | antr. | rigid | flex |
| 25 | 2PLAADA71003030 | Adapter Modinox PLA → Flexible pipe, with chimney bottom finishing plate 300x300mm, INOX |  | • | | • | • |
| | 2PLAADA71003030NO | Adapter Modinox PLA → Flexible pipe, with chimney bottom finishing plate 300x300mm, INOX - BLACK | | | • | • | • |
| 25 | 2PLAADA71002040 | Adapter Modinox PLA → Flexible pipe, with chimney bottom finishing plate 200x400mm, INOX |  | • | | • | • |
| | 2PLAADA71002040NO | Adapter Modinox PLA → Flexible pipe, with chimney bottom finishing plate 200x400mm, INOX - BLACK | | | • | • | • |
| 25 | 2PLAADA71003040 | Adapter Modinox PLA → Flexible pipe, with chimney bottom finishing plate 300x400mm, INOX |  | • | | • | • |
| | 2PLAADA71003040NO | Adapter Modinox PLA → Flexible pipe, with chimney bottom finishing plate 300x400mm, INOX - BLACK | | | • | • | • |

| Fig. No. | Modinox Art./ Order No. | Description | | Color (*) | | Application | |
|---|---|---|---|---|---|---|---|
| | | | | stainles steel | antr. | rigid | flex |
| 25 | 2PLAADA61002020 | Adapter Flexible pipe → Modinox PLA, with chimney top finishing plate 200x200mm, INOX |  | • | | • | • |
| | 2PLAADA61002525 | Adapter Flexible pipe → Modinox PLA, with chimney top finishing plate 250x250mm, INOX | | • | | • | • |
| | 2PLAADA61003030 | Adapter Flexible pipe → Modinox PLA, with chimney top finishing plate 300x300mm, INOX | | • | | • | • |
| | 2PLAADA61002040 | Adapter Flexible pipe → Modinox PLA, with chimney top finishing plate 200x400mm, INOX | | • | | • | • |
| | 2PLAADA61003040 | Adapter Flexible pipe → Modinox PLA, with chimney top finishing plate 300x400mm, INOX | | • | | • | • |
| | 2PTGKIMU100 | Insulation kit ISOMU for wall passage |  | • | | • | |

| Fig. No. | Modinox Art./ Order No. | Description | | Color (*) | | Application | |
|---|---|---|---|---|---|---|---|
| | | | | stainles steel | antr. | rigid | flex |
| | 2PTGKIRA100 + la pente | Insulation kit ISORA for pitched roof passage |  | • | | • | |
| | 2PTGKIRAV100 + la pente | Insulation kit ISORA for pitched roof passage, roof and floor, includes a junction collar and 4 ventilation grilles | | • | | • | |
| | 2PTGKIFO100 | Insulation kit FOURP for ceiling passage. Complete wood floor kit | | • | | • | |
| | 2PTGKIFO100BE | Insulation kit FOURP for ceiling passage. Complete concrete floor kit | | • | | • | |
| | 2PTGKIFOV100 | Insulation kit FOURP for ceiling + storey floor passage. Complete wood floor kit | | • | | • | |
| | 2PTGKIFOVBE100 | Insulation kit FOURP for ceiling + storey floor passage. Complete concrete floor kit | | • | | • | |
| | 2PTGPPDR100BL | Ceiling finishing plates - Whit lacquered - Option for kit FOURP |  | • | | • | |

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