Description

Hoval HomeVent® comfort FR (201, 251, 301) Comfort ventilation unit

- Comfort ventilation unit with adjustable heat and humidity recovery for any installation position.
- For use within or outside the insulated building shell.
- High-quality, heat and sound insulating inner casing made from EPP.
- Coated outer casing made from aluzinc sheet (red).
- The casing is suitable for installation on both sides (accessible on both sides)
- Rotary enthalpy recovery unit with speed regulation
- Two backward-curved EC fans (continuously adjustable 15%-100%)
- High-quality Z filter (supply air: F7, extract air: G4)
- Integrated prefilter
- Filter monitoring
- Ready-to-connect electronics
- No need for preheating or a condensate drain

Data
- Colour: red
- Dimensions: 1000/560/374 (L/W/D, mm) Weight: 33 kg
- Electrical connection: 230 V/50 Hz, IP 40

Required accessories:
- Standard operator terminal BG02 E or
- TopTronic® E room control module comfort plus

Options
- Air quality control sensors
- Active cool recovery (CoolVent® option)
- Mounting kit
- Supply air activated carbon filter

Delivery
- Comfort ventilation unit pre-assembled and packed.

On site
- 8-pin CAT 5 patch cable (parallel, not crossed) between comfort ventilation unit and operator terminal, provided by an electrician.
- RJ45 socket
- 230 V socket

Use
The HomeVent® comfort ventilation unit provides centralised supply and extract air handling for residential spaces.
This can be a single family home or a residential unit in a multi-family house.
The comfort ventilation unit is part of the HomeVent® ventilation system for comfort ventilation, which performs the following tasks:
- Supplies residential and commercial space with outdoor air
- Extracts used air (CO_2, aerosols, excess dampness, odours, etc.)
- Saves energy through intelligent latent heat recovery
- Cleans supply air using a fine dust filter

Approvals
Tested by:
- Hochschule Luzern in accordance with EN 13141-7
- TÜV Munich in accordance with DIN EN 60335-1

	Type	Volume flow m^3/h	Heat recovery efficiency %
A+	HomeVent® comfort FR (201)	40-200	90-130
A+	HomeVent® comfort FR (251)	50-250	90-130
A+	HomeVent® comfort FR (301)	60-300	90-130

Description

Energy recovery
The built-in enthalpy recovery unit withdraws energy from the extract air and transfers it to the supply air. This enables the intelligent (temperature) and the latent (humidity) energy to be transferred. The transmission performance is regulated between 0 and 100% depending on the outdoor temperature.

The advantages of the enthalpy recovery unit are:
- Temperature efficiency up to 90%
- Degree of humidity recovery up to 95%
- Transmission performance can be adjusted continuously
- No preheating required (down to -20°C)
- No condensation
- No bypass required

Air filtration
The outdoor air goes through two cleaning stages, ensuring the highest standard. A fine-meshed grate (washable) at the entry of the unit prevents insects, leaves, etc. from reaching the unit. When the outdoor air leaves the unit, it flows through a high-capacity fine pollen filter (F7). The operator receives a message when it is time to change the filter. The unit can optionally be equipped with up to two VOC air quality sensors. They monitor the quality of the outdoor and extract air, and have a direct influence on the required outdoor and extract air volumes.

Air delivery
Two backward-curved centrifugal fans with EC direct current motors deliver the air. The rotating wheel made of high-tech composite material is produced in one piece with optimised fluid mechanics, and ensures quiet operation of the unit. The electronics built into the engine enable the air volumes to be finely regulated between 15 and 100%. The fans are arranged in such a way that no extract air can find its way to the supply air.

Suitability for winter
Due to the built-in enthalpy recovery unit, no condensate is formed in the unit. No preheating (electronic air heater) is necessary for outdoor temperatures down to -20°C. The air volume ratio between the supply air and extract air is not changed.

Summer operation
The energy recovery can be reduced to 0% from an adjustable outdoor temperature. This enables night cooling (free cooling) in the summer as well as when the seasons change. It is not necessary to arrange for a bypass via dampers and a drive. In addition, the CoolVent option can actively recover cold in air-conditioned buildings. The hot outdoor air is cooled and dried with the air-conditioned extract air.

Installation
The HomeVent® comfort ventilation unit is characterised by a compact design. It is possible to access the unit from both sides for servicing. No condensate forms in the unit, meaning that it can be installed in any position imaginable. We recommend the corresponding mounting kits with vibration dampers for the different installation positions.

Standard operator terminal BG02 E
The operator terminal consists of an attractively designed plastic casing for on-wall mounting. The target air volume and the target air humidity can be set with two rotary knobs. With the party button, the air volume can be increased for a limited period of time. Connection to the HomeVent® comfort ventilation unit via RJ45 plug connection. The unit can also be installed in a secondary room.

TopTronic® E
room control module comfort plus
The TopTronic® E room control module comfort plus is available either with a black or white design. Operated by a colour touchscreen (4.3 inch). Connection to the HomeVent® comfort ventilation unit via RJ45 plug connection or plug terminals (max. 0.75 mm^2). The unit can be installed on the wall with an on-wall mounted frame or with a wall-mounting plate and flush-mounted boxes.

- Operation of all Hoval units connected to the bus.
- Authorisation management for operation.
- Efficient control of the ventilation system by working with day programmes
- Selection between different start screens possible during commissioning.
- Customer-specific configuration of the screen for displaying the following elements:
  - Date and time
  - Moon phases
  - Current air volume in %
  - Maximum target humidity in %
  - Active day or week programme
  - Display of the current indoor and outdoor air quality (optional VOC air quality sensors must be installed)
  - Display of the current weather or weather forecast (only possible in combination with TopTronic® online)

Air quality
Optionally, one or two VOC air quality sensors can be installed in the unit during commissioning. In addition, an activated carbon filter can be installed on the supply air side as an option. The VOC air quality sensor(s) continuously monitor(s) the air for volatile organic components and regulate the air volume that is supplied or extracted via the speed of the fans. This results in optimal air quality in the building with minimal energy input.

- VOC air quality sensor on the extract air side:
  The extract air is continuously monitored for odours, tobacco smoke, cleansing agents, etc. If the concentration of the extract air exceeds a certain value, the air volume is increased correspondingly. The sensitivity can be set to one of 3 stages. On the TopTronic® E room control module comfort plus, the air quality is displayed by a bar, which will either be green (good air), orange (slightly contaminated air) or red (bad air).
- VOC air quality sensor on the supply and extract air side:
  The extract and supply air is continuously monitored for odours, tobacco smoke, cleansing agents, vehicle emissions, agricultural odours, etc. If the concentration of extract air exceeds a certain value, the air volume is increased correspondingly. If the concentration of supply air exceeds a certain value, the air volume is reduced correspondingly. The sensor registering the higher value takes priority. The sensitivity can be set to one of 3 stages. On the TopTronic® E room control module comfort plus, the air quality is displayed by a bar for the extract air and a bar for the supply air, which will either be green (good air), orange (slightly contaminated air) or red (bad air).
- The activated carbon filter can be inserted in place of the standard supply air filter. This is a high-capacity filter (F7) with high efficiency against particles (pollen, fine dust, etc.) and against gaseous pollutants and odours (agriculture, traffic, etc.).

Cooling
The warm outdoor air can be cooled using the CoolVent® option. However, this requires an air-conditioning system to be present in order to provide the necessary cooling in the room. The enthalpy recovery system extracts heat from the warm outdoor air and feeds it to the cold extract air. The energy consumption of the air-conditioning system is thereby reduced. The efficiency for this process is 85%. The CoolVent® function is installed during commissioning.

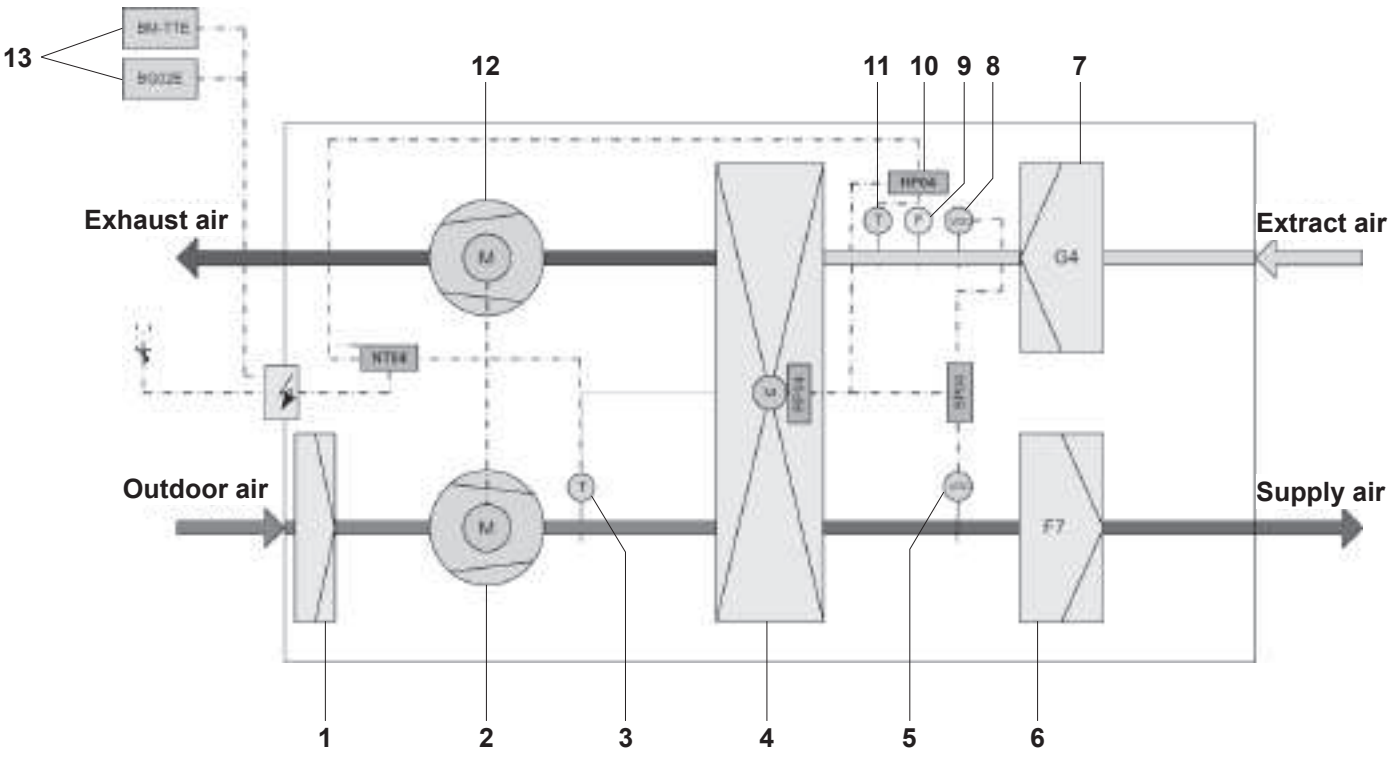
Description

Function HomeVent® comfort FR (201, 251, 301)

The outside air fan draws in outdoor air via the main line. In the first stage, this air is cleaned via a prefilter. In the enthalpy recovery system, the supply air is heated, depending on the temperature, and humidified. The extent to which heat and humidity are recovered is dependent on the temperature and humidity differences between the exhaust air and the outdoor air as well as on the rotor speed. Then the pre-treated outdoor air is cleaned by means of a pollen fine dust filter.
The exhaust air fan sucks in the used air via the coarse dust filter. The enthalpy recovery system extracts heat and humidity from the air and passes these to the supply air.
The way the fans are positioned – with overpressure on the supply air side and underpressure on the extract air side – means that no extract air can find its way to the supply air.

The electronic controls and the operator terminal feature the following additional functions:
- The speed of the enthalpy recovery system is regulated by the outdoor temperature. In this way, the heat and humidity recovery is adjusted automatically.
- The humidity regulation changes the volume flow. Thus, if the humidity indoors is too high, for instance, more dry air is introduced from the outside.
- The functions of the unit are continuously monitored. In case of a malfunction, the device is switched to “fault” mode. The malfunction is displayed on the operator terminal.

1 Prefilter
2 Outside air fan
3 Outdoor sensor
4 Enthalpy recovery unit
5 VOC outdoor air sensor
6 Supply air filter F7
7 Extract air filter G4
8 VOC extract air sensor
9 Humidity sensor
10 Electronics
11 Extract air sensor
12 Exhaust air fan
13 Operator terminal BG02 E or TopTronic® E room control module comfort plus



Part No.

Hoval HomeVent®
Comfort ventilation unit

Part No.

HomeVent® comfort FR (201, 251, 301)
With high-efficiency heat and humidity recovery for any installation position. Including washable prefilter, mains cable and connection cable (3 m) for operator terminal.

	Type	Nominal volume flow m³/h	Ext. pressure Pa	
A+	HomeVent® comfort FR (201)	200	100	7015 392
A+	HomeVent® comfort FR (251)	250	100	7015 803
A+	HomeVent® comfort FR (301)	300	100	7015 830

In order to operate a Hoval HomeVent® comfort ventilation unit, it is **essential** to have an operator terminal or a TopTronic® E room control module comfort plus.

Required accessories

Operator terminal BG02 E 2066 444
for HomeVent® comfort FR (201, 251, 301)
Plastic housing for
on-wall mounting. Knob for
flow rate and room humidity
Service and fault display.
Connection to the Hoval bus system
via RJ45 plug connection.

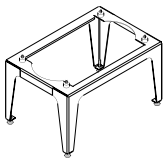
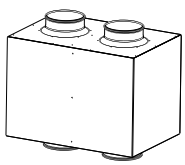
TopTronic® E room control module
for HomeVent® comfort FR (201, 251, 301)
Operation of all Hoval air units, heating and hot water circuits connected to the bus system. Customer-specific configuration of the start screen. Displays the current air quality inside and outside the building (only possible with installed VOC sensors), displays the current weather or weather forecast (only possible in combination with TopTronic® E online). Connection to the Hoval bus system via RJ45 plug connection or plug terminals (max. 0.75 mm²), 4.3-inch colour touchscreen.

Consisting of:
TopTronic® E room control module comfort plus on-wall mounted frame, designer frame, wall-mounting adapter and fitting accessories

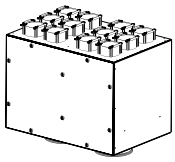
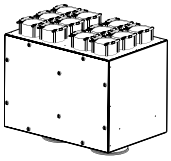
comfort plus white 6037 072
comfort plus black 6042 543

Technical information
see separate chapter.

Part No.

	Recommended accessories	Part No.
	**Air quality sensor VOC** for HomeVent® comfort FR (201, 251, 301) Installation of 2 pieces possible (supply air and extract air). Only in connection with the TopTronic® E control module comfort plus.	2067 648
	Cool recovery unit CoolVent® for HomeVent® comfort FR (150, 300, 360) and FR (201, 251, 301) Active-controlled cool recovery for air-conditioned buildings. Installed by Hoval service technicians during commissioning.	6035 255
	**Unit base GS (201-301)** for HomeVent® comfort FR (201, 251, 301) Steel painted red, 4 vibration dampers, height-adjustable feet Height: 340-360 mm	6043 562
	Horizontal wall mounting kit for HomeVent® comfort FR (201, 251, 301) Steel bracket red coated with sound-insulating support	6042 303
	Vertical wall mounting kit for HomeVent® comfort FR (201, 251, 301) Steel bracket red coated with sound-insulating support	6042 304
	Ceiling mounting kit for HomeVent® comfort FR (201, 251, 301) Steel bracket red coated with sound-insulating support	6042 305
	Floor mounting kit for HomeVent® comfort FR (201, 251, 301) Steel bracket red coated with sound-insulating support	6042 306
	**Acoustic insulating box SDB-150-400** for HomeVent® comfort FR (201, 251, 301) Casing made from aluzinc sheet with Connection 4 x DN 150. Sound absorption block inside supply air and extract air side Dimensions: LxWxH: 400 x 560 x 374 mm	6042 014

■ **Part No.**

		Part No.
	**Distributor box VTB-150 12x75** Suitable for HomeVent comfort FR (201) Casing made from aluzinc sheet with Connection 2 x DN 150. Connection 12 x DN 75. Sound absorption block inside supply air and extract air side, access panel Insertable throttle orifices per connection Dimensions: LxBxH: 400 x 560 x 374 mm	6042 043
	**Distributor box VTB-150 12x90** for HomeVent comfort FR (201, 251) Casing made from aluzinc sheet with Connection 2 x DN 150. Connection 12 x DN 90. Sound absorption block inside supply air and extract air side, access panel Insertable throttle orifices per connection Dimensions: LxWxH: 400 x 560 x 374 mm	6042 015

Additional accessories see separate chapter Components.

Filter HomeVent® comfort FR (201, 251, 301)

	**Supply air filter F7** for HomeVent® comfort FR (201, 251, 301) Large fine dust pollen filter Z construction, filter class F7	5038 283
	**Supply air active carbon filter AKF** for HomeVent® comfort FR (201, 251, 301) Large fine dust active carbon filter against particles (pollen, fine dust, etc.) and against gaseous pollutants and odours Z construction, filter class F7	5039 587
	**Extract air filter G4** for HomeVent® comfort FR (201, 251, 301) Large coarse dust filter Z construction, filter class G4	5038 284

Technical data

HomeVent® comfort ventilation unit (201, 251, 301)

	comfort FR (201)	comfort FR (251)	comfort FR (301)	
Max. volume flow (at 100 Pa external pressure*)	200	250	300	m³/h
Air flow rate control range	40-200	50-250	60-300	m³/h
Humidity setpoint setting		30 … 65		%
Electrical connection				
• Voltage (AC)		230		V
• Frequency		50		Hz
• Max. current consumption	0.76	1.04	1.23	A
• cos ρ (mean value)	0.44	0.44	0.48	
Type of protection		IP 40		
Power consumption (at 70% of the max. volume flow, 50 Pa external pressure)	38	50	60	W
Degree of heat processing (as per DIN 4719)		90-130		%
Temperature ratio (at 70% of the max. volume flow)	84	84	85	%
Humidity ratio (at 70% of the max. volume flow)	91	90	90	%
Specific fan power SFP (at 70% of the max. volume flow)	0.26	0.27	0.28	W/m³/h
Filter class (as per EN 779)				
• Supply air filter		F7		
• Extract air filter		G4		
Sound power level		see table on following page		
Leakage (as per EN 13141-7)				
• Internal		< 1		%
• External	1.64	1.31	1.09	%
Net weight		33		kg
Application limits for device setup, weather-protected (EN 60721-3-3), 3K5 as per EN 50090-2-2				
• Ambient temperature		-16...45		°C
• Ambient humidity		Max. 15		g/kg
• Dew point temp. in installation room		< 15		°C
Air conditions (moderate outdoor climate EN 60721-2-1)				
• Outside air intake temperature		-20...40		°C
• Outside air intake humidity		5…95		% r.H.
• Extract air temperature		5…35		°C
• Max. extract air humidity		12		g/kg

Technical data

Sound power levels for HomeVent® comfort FR (201)

Casing

Volume flow	External pressure	L_W [dB]								Sound pressure level L_{WA}
SUP/EXT [m³/h]	[Pa]	63	125	250	500	1k	2k	4k	8k	63 Hz ... 8 kHz [dB(A)]
140	50	40	39	46	38	31	28	21	25	41
200	100	50	44	54	48	39	35	28	26	49

Fresh air

Volume flow	External pressure	L_W [dB]								Sound pressure level L_{WA}
[m³/h]	[Pa]	63	125	250	500	1k	2k	4k	8k	63 Hz ... 8 kHz [dB(A)]
140	50	48	48	55	50	45	46	34	33	52
200	100	54	52	60	55	50	52	43	44	58

Supply air

Volume flow	External pressure	L_W [dB]								Sound pressure level L_{WA}
[m³/h]	[Pa]	63	125	250	500	1k	2k	4k	8k	63 Hz ... 8 kHz [dB(A)]
140	50	38	42	51	41	31	25	19	24	44
200	100	46	47	56	48	38	32	26	25	51

Extract air

Volume flow	External pressure	L_W [dB]								Sound pressure level L_{WA}
[m³/h]	[Pa]	63	125	250	500	1k	2k	4k	8k	63 Hz ... 8 kHz [dB(A)]
140	50	40	45	54	40	29	22	18	24	46
200	100	50	49	61	50	35	30	21	25	54

Exhaust air

Volume flow	External pressure	L_W [dB]								Sound pressure level L_{WA}
[m³/h]	[Pa]	63	125	250	500	1k	2k	4k	8k	63 Hz ... 8 kHz [dB(A)]
140	50	48	48	58	51	44	42	36	30	52
200	100	53	52	66	60	51	51	46	41	62

Technical data

Sound power: HomeVent® comfort FR (201) + acoustic insulating box SDB-150-400

Supply air

Volume flow	External pressure	L_W [dB]								Sound pressure level L_{WA}
[m³/h]	[Pa]	63	125	250	500	1k	2k	4k	8k	63 Hz ... 8 kHz [dB(A)]
140	50	34	36	42	19	11	10	17	24	33
200	100	39	41	44	26	15	11	17	25	35

Extract air

Volume flow	External pressure	L_W [dB]								Sound pressure level L_{WA}
[m³/h]	[Pa]	63	125	250	500	1k	2k	4k	8k	63 Hz ... 8 kHz [dB(A)]
140	50	35	37	44	18	8	4	17	24	35
200	100	40	41	45	30	11	10	17	24	39

Sound power: HomeVent® comfort FR (201) + distributor box VTB-150 12 x 75
Sound power: HomeVent® comfort FR (201) + distributor box VTB-150 12 x 90

Supply air

Volume flow	External pressure	L_W [dB]								Sound pressure level L_{WA}
[m³/h]	[Pa]	63	125	250	500	1k	2k	4k	8k	63 Hz ... 8 kHz [dB(A)]
140	50	31	29	31	24	6	9	17	24	27
200	100	35	32	39	32	16	10	17	24	34

Extract air

Volume flow	External pressure	L_W [dB]								Sound pressure level L_{WA}
[m³/h]	[Pa]	63	125	250	500	1k	2k	4k	8k	63 Hz ... 8 kHz [dB(A)]
140	50	29	31	35	19	6	9	17	24	29
200	100	33	36	41	29	7	9	17	24	35

Technical data

Sound power levels for HomeVent® comfort FR (251)

Casing

Volume flow	External pressure	L_W [dB]								Sound pressure level L_{WA}
SUP/EXT [m³/h]	[Pa]	63	125	250	500	1k	2k	4k	8k	63 Hz ... 8 kHz [dB(A)]
175	50	39	40	49	40	33	30	21	25	44
250	100	58	46	50	55	42	37	29	27	52

Fresh air

Volume flow	External pressure	L_W [dB]								Sound pressure level L_{WA}
[m³/h]	[Pa]	63	125	250	500	1k	2k	4k	8k	63 Hz ... 8 kHz [dB(A)]
175	50	49	49	57	52	46	48	38	37	54
250	100	56	53	60	61	53	54	47	48	61

Supply air

Volume flow	External pressure	L_W [dB]								Sound pressure level L_{WA}
[m³/h]	[Pa]	63	125	250	500	1k	2k	4k	8k	63 Hz ... 8 kHz [dB(A)]
175	50	41	43	53	44	34	28	22	25	46
250	100	56	48	55	52	42	35	29	26	51

Extract air

Volume flow	External pressure	L_W [dB]								Sound pressure level L_{WA}
[m³/h]	[Pa]	63	125	250	500	1k	2k	4k	8k	63 Hz ... 8 kHz [dB(A)]
175	50	42	47	57	42	31	25	19	24	49
250	100	67	51	57	56	40	32	24	25	53

Exhaust air

Volume flow	External pressure	L_W [dB]								Sound pressure level L_{WA}
[m³/h]	[Pa]	63	125	250	500	1k	2k	4k	8k	63 Hz ... 8 kHz [dB(A)]
175	50	50	49	58	53	47	46	41	35	55
250	100	64	54	60	66	55	54	51	46	64

Technical data

Sound power: HomeVent® comfort FR (251) + acoustic insulating box SDB-150-400

Supply air

Volume flow	External pressure	L_W [dB]								Sound pressure level L_{WA}
[m³/h]	[Pa]	63	125	250	500	1k	2k	4k	8k	63 Hz ... 8 kHz [dB(A)]
175	50	36	37	42	20	12	10	17	24	33
250	100	44	42	44	30	18	13	18	25	36

Extract air

Volume flow	External pressure	L_W [dB]								Sound pressure level L_{WA}
[m³/h]	[Pa]	63	125	250	500	1k	2k	4k	8k	63 Hz ... 8 kHz [dB(A)]
175	50	37	38	44	21	9	9	17	24	36
250	100	49	43	44	37	14	11	17	24	38

Sound power: HomeVent® comfort FR (251) + distributor box VTB-150 12 x 90

Supply air

Volume flow	External pressure	L_W [dB]								Sound pressure level L_{WA}
[m³/h]	[Pa]	63	125	250	500	1k	2k	4k	8k	63 Hz ... 8 kHz [dB(A)]
175	50	34	30	31	27	11	9	17	24	29
250	100	54	34	35	36	25	18	17	17	35

Extract air

Volume flow	External pressure	L_W [dB]								Sound pressure level L_{WA}
[m³/h]	[Pa]	63	125	250	500	1k	2k	4k	8k	63 Hz ... 8 kHz [dB(A)]
175	50	39	41	39	29	21	14	17	24	34
250	100	43	37	36	34	9	9	17	24	33

Technical data

Sound power levels for HomeVent® comfort FR (301)

Casing

Volume flow	External pressure	L_W [dB]								Sound pressure level L_{WA}
SUP/EXT [m³/h]	[Pa]	63	125	250	500	1k	2k	4k	8k	63 Hz ... 8 kHz [dB(A)]
200	100	50	44	54	48	34	35	28	26	49
300	100	50	47	50	54	44	39	32	29	51

Fresh air

Volume flow	External pressure	L_W [dB]								Sound pressure level L_{WA}
[m³/h]	[Pa]	63	125	250	500	1k	2k	4k	8k	63 Hz ... 8 kHz [dB(A)]
200	100	54	52	60	55	50	52	43	44	58
300	100	55	54	61	62	55	56	50	51	63

Supply air

Volume flow	External pressure	L_W [dB]								Sound pressure level L_{WA}
[m³/h]	[Pa]	63	125	250	500	1k	2k	4k	8k	63 Hz ... 8 kHz [dB(A)]
200	100	46	47	56	48	38	32	26	25	51
300	100	48	50	56	57	44	37	32	27	54

Extract air

Volume flow	External pressure	L_W [dB]								Sound pressure level L_{WA}
[m³/h]	[Pa]	63	125	250	500	1k	2k	4k	8k	63 Hz ... 8 kHz [dB(A)]
200	100	50	49	61	50	35	30	21	25	55
300	100	50	53	57	63	43	35	27	26	59

Exhaust air

Volume flow	External pressure	L_W [dB]								Sound pressure level L_{WA}
[m³/h]	[Pa]	63	125	250	500	1k	2k	4k	8k	63 Hz ... 8 kHz [dB(A)]
200	100	53	52	66	59	51	51	46	41	62
300	100	58	56	61	71	57	56	54	50	68

Sound power: HomeVent® FR (301) + acoustic insulating box SDB-150-400

Supply air

Volume flow	External pressure	L_W [dB]								Sound pressure level L_{WA}
[m³/h]	[Pa]	63	125	250	500	1k	2k	4k	8k	63 Hz ... 8 kHz [dB(A)]
200	100	40	41	44	26	15	11	17	24	36
300	100	46	45	46	33	20	15	20	27	40

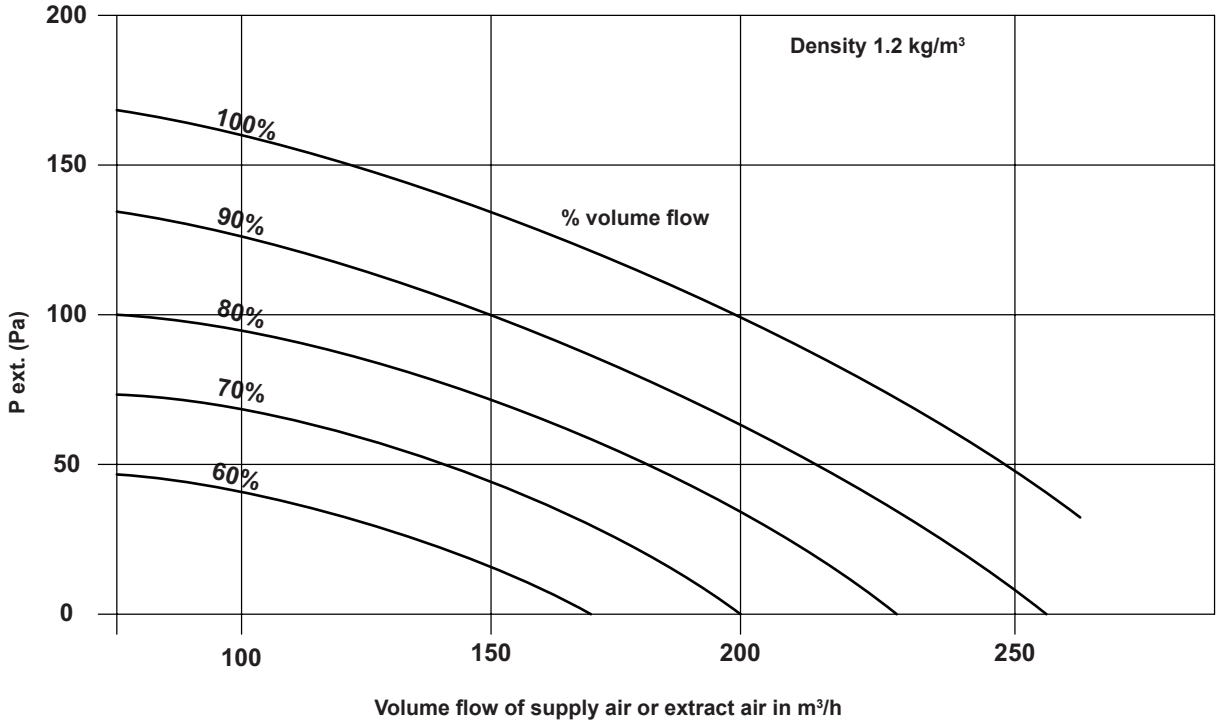
Extract air

Volume flow	External pressure	L_W [dB]								Sound pressure level L_{WA}
[m³/h]	[Pa]	63	125	250	500	1k	2k	4k	8k	63 Hz ... 8 kHz [dB(A)]
200	100	40	41	45	30	11	10	17	24	39
300	100	50	44	46	40	16	13	20	27	41

Technical data

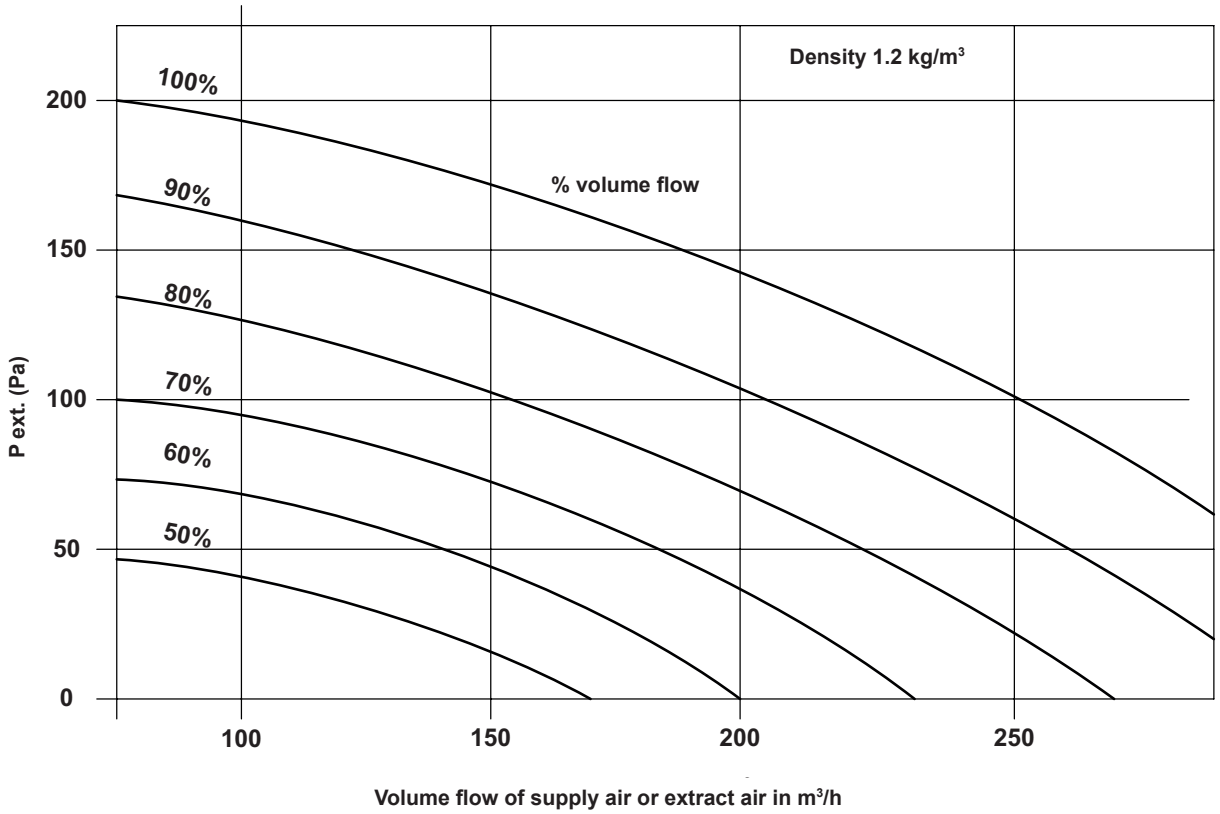
Performance chart for air flow rate, HomeVent® comfort FR (201)

p_{ext} Sum of external pressure drops for each air stream at the planned air flow rate.



Performance chart for air flow rate, HomeVent® comfort FR (251)

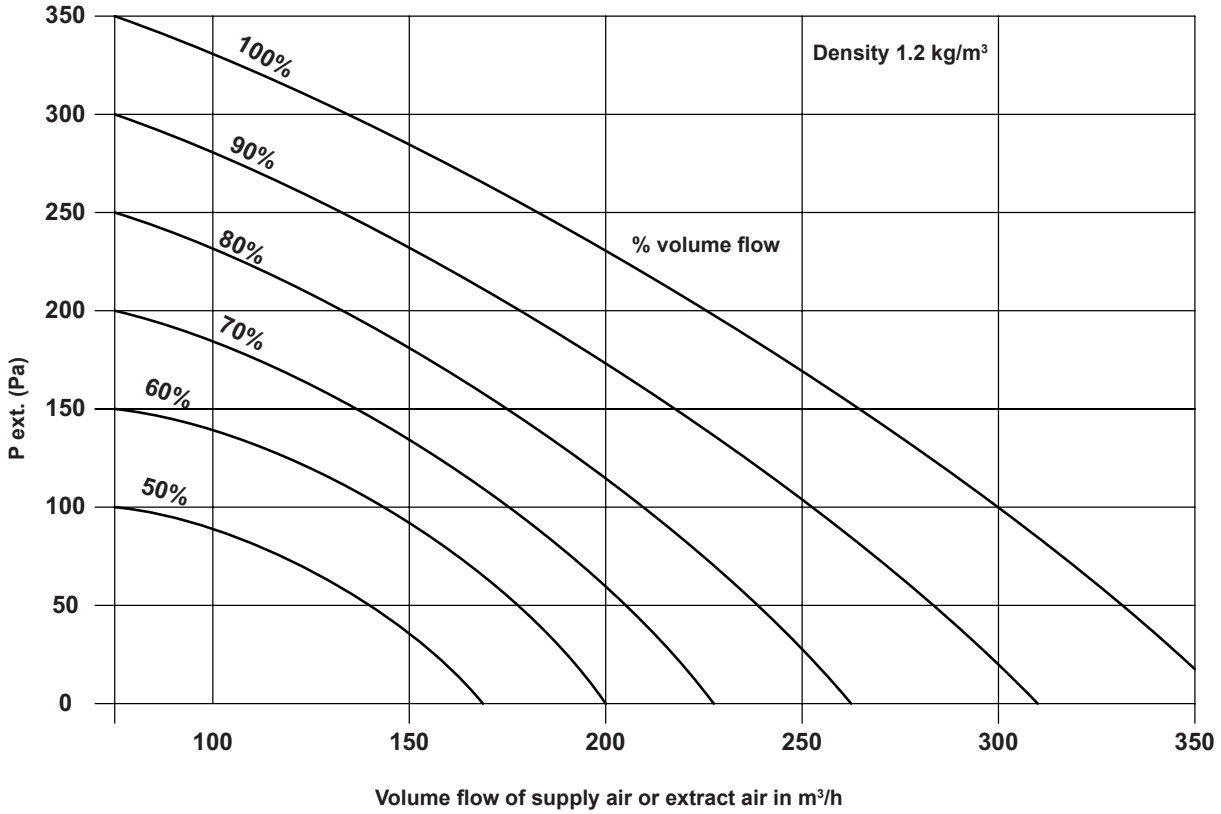
p_{ext} Sum of external pressure drops for each air stream at the planned air flow rate.



Technical data

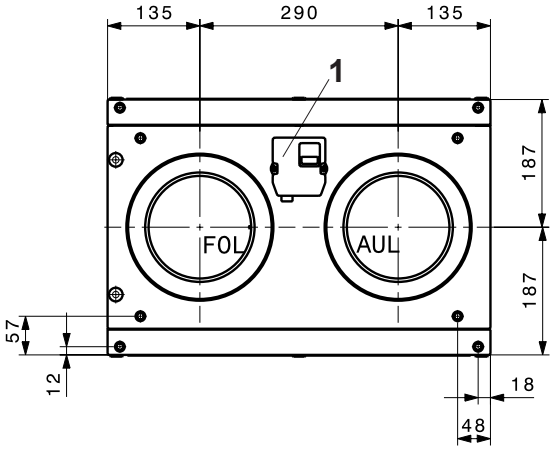
Performance chart for air flow rate, HomeVent® comfort FR (301)

p_{ext} Sum of external pressure drops for each air stream at the planned air flow rate.

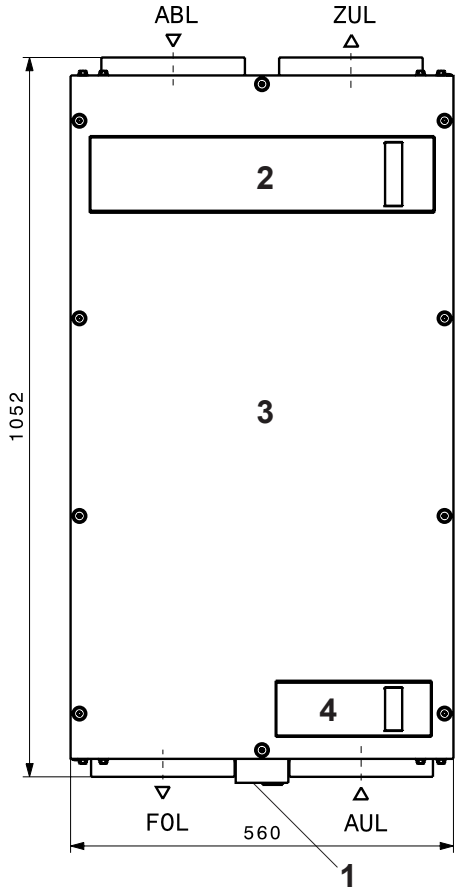


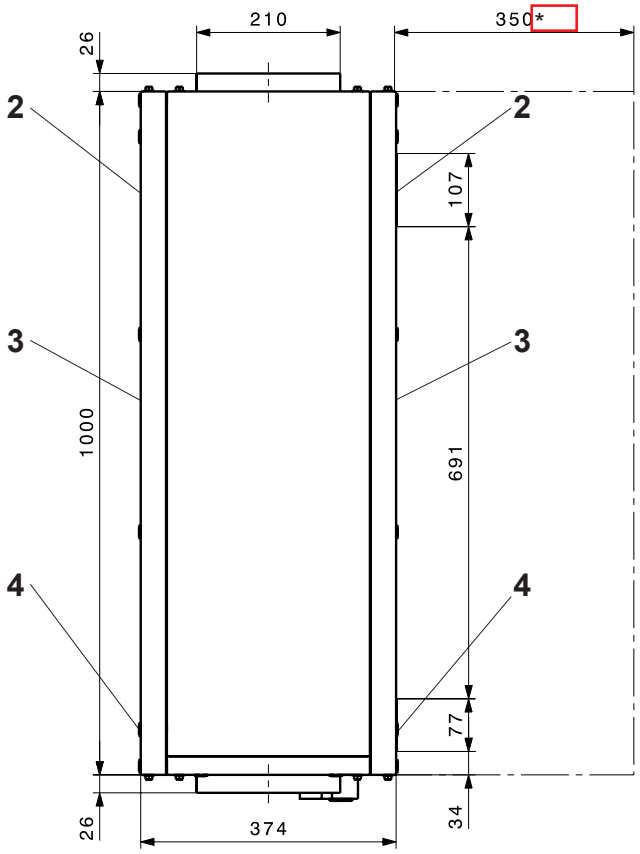
Dimensions

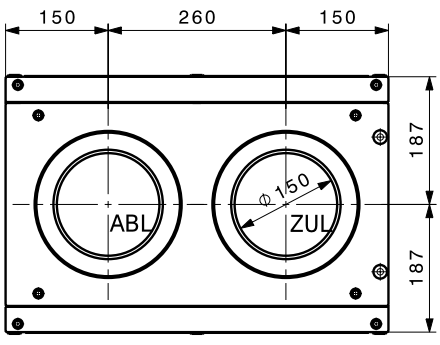
HomeVent® comfort ventilation unit



ZUL = supply air
ABL = extract air
FOL = exhaust air
AUL = fresh air







1 Electrical connection
Space is required for changing the microfuse.
2 Filter cover for supply air filter/extract air filter
3 Access panel
4 Maintenance cover for prefilter

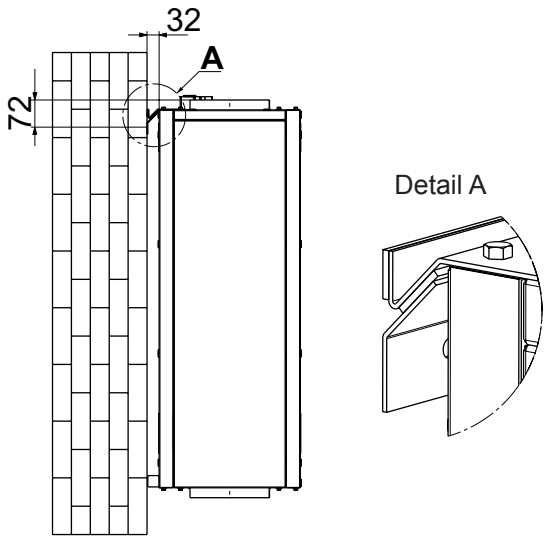
Maintenance and revision is possible at the front and the back – flexible installation

* Space requirements for filter change and service tasks

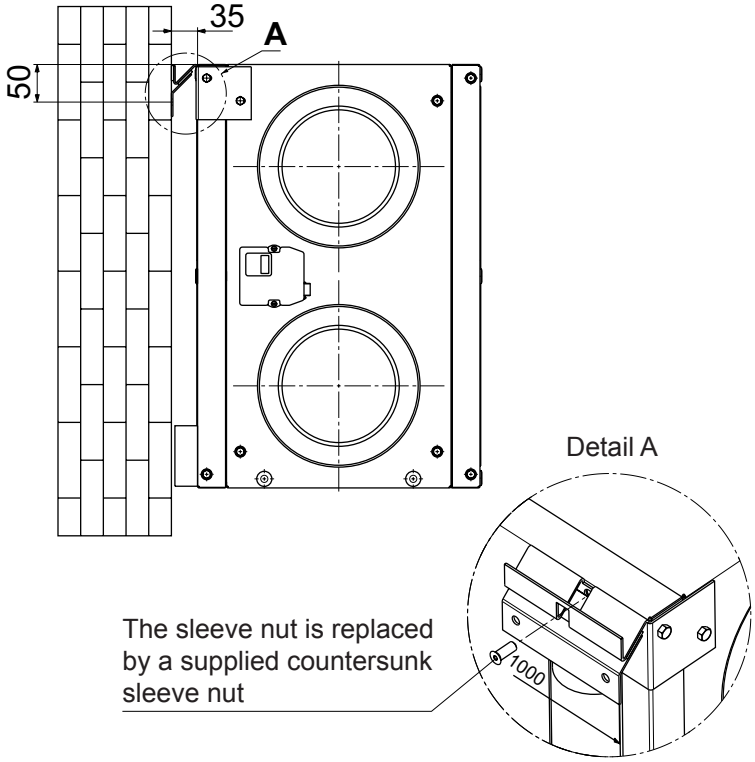
Dimensions

HomeVent® comfort ventilation unit
Installation with vibration dampers

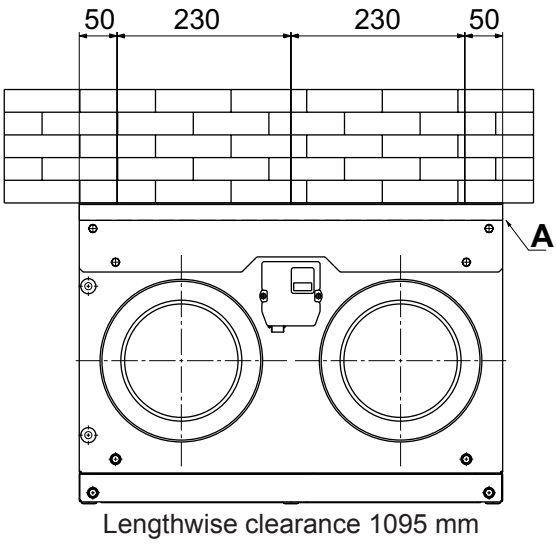
Vertical wall installation: S-WV

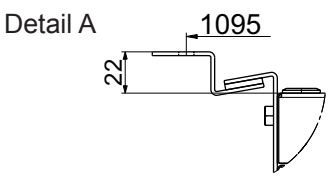


Horizontal wall installation: S-WH

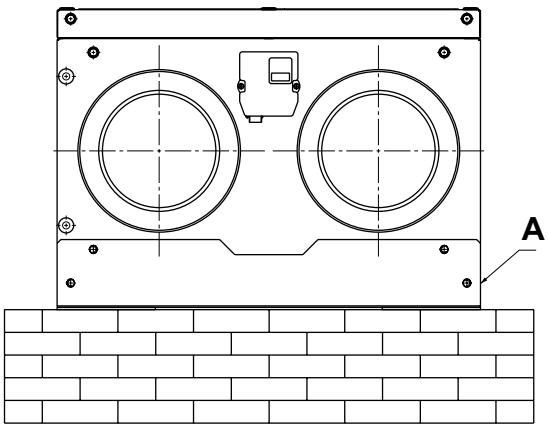


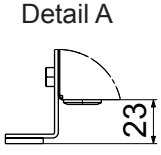
Ceiling installation: S-D





Floor installation: S-B

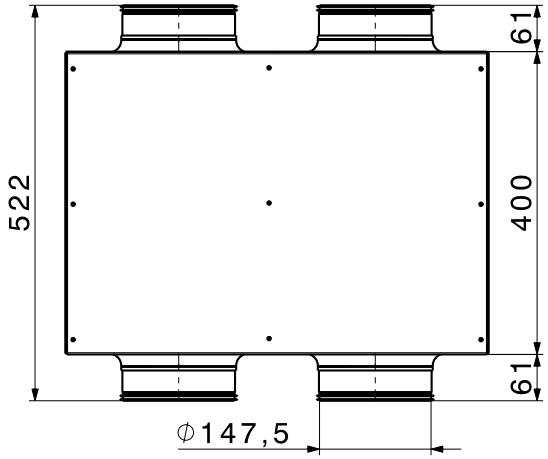


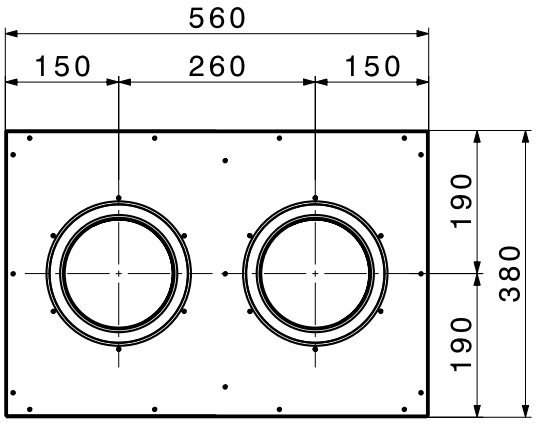


Can be installed in any position.

Dimensions

Acoustic insulating box SDB-150-400
Casing made from aluzinc sheet with 4 x DN 150 connection nozzles.
Internal sound absorbing unit on supply air side and extract air side



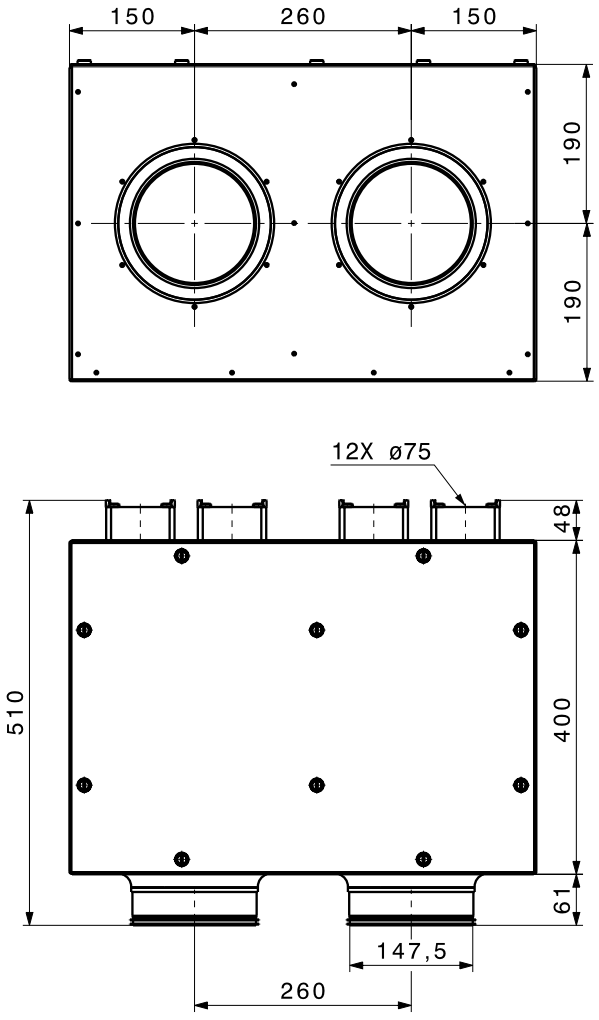


Dimensions

Distributor boxes DN 150

Distributor box VTB-150 12 x 75 or 90
Casing made from aluzinc sheet with access panel. Internal sound absorbing units on supply air side and extract air side.
Connection nozzles:
2 x DN 150 (downwards)
SUP 6 x 75, EXT 6 x 75
SUP 6 x 90, EXT 6 x 90
Consisting of: distributor unit, 6 end covers, baffles for adjusting the air flow for each flexible pipe DN 75 or DN 90 (included in the scope of delivery).

Distributor box VTB-150 12 x 75



Distributor box VTB-150 12 x 90