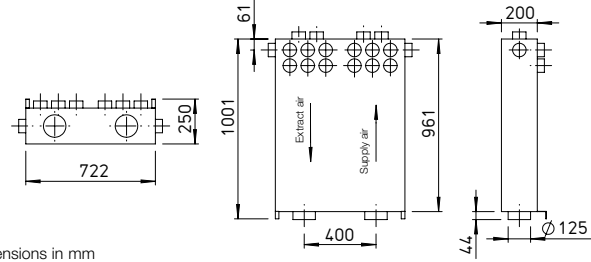


KWL-MZB 6+1-75/125 R90 and KWL-MZB 6+1-75/125 L90



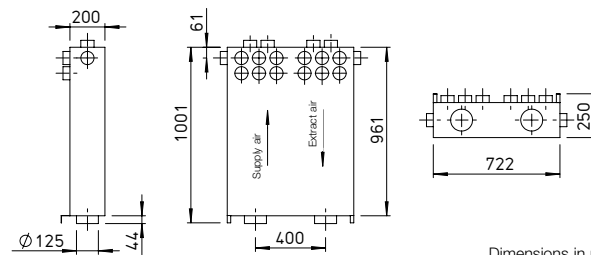
Compact unit for connection of supply and extract air DN 125 and 2 x 7 connectors DN 75 with supply air on right or left side.

KWL-MZB 6+1-75/125 R90



Dimensions in mm

KWL-MZB 6+1-75/125 L90



Dimensions in mm

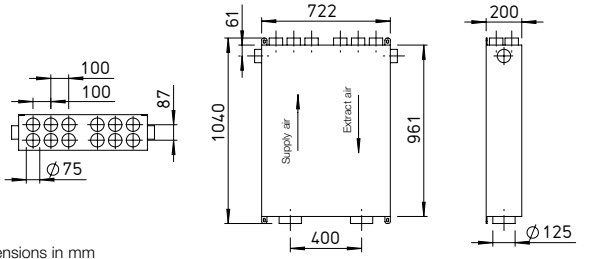
KWL-MZB 6+1-75/125 and KWL-MZB 125/125



Compact unit for the connection of supply and extract air DN 125 and 2 x 7 connectors DN 75.

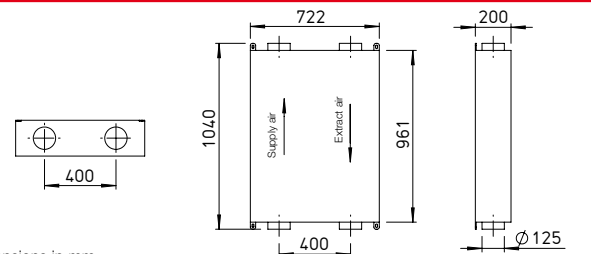
Box with one connection each for supply and extract air on each side DN 125.

KWL-MZB 6+1-75/125



Dimensions in mm

KWL-MZB 125/125



Dimensions in mm

Volume flow control, sound insulation, air distribution and system control – solve seven problems at once with the new KWL MultiZoneBox.
 When combined with a central KWL or Helios AIR1 unit with constant pressure control, the MultiZoneBox ensures the silent, demand-oriented supply and extract ventilation of residential and commercial units.

Advantages

- The installation and commissioning are particularly simple and safe.
- Spiral ducts can also be connected just as easily as the flexible plastic duct system **flexpipe^{plus}**.
- Reliable air distribution for almost all areas of application.
- Practical advantages include freedom from maintenance,

maximum functional reliability and whisper-quiet operation.

- When multiple KWL MultiZoneBoxes are used to ventilate a large unit, e.g. a doctor's surgery, different zones can be supplied with varying air volumes independently and according to demand.
- Whether the ventilation system is installed in the basement or on the roof, indoors or outdoors.
- The KWL MultiZoneBox always ensures an ideal air distribution.

Special features

- Large sound insulation elements guarantee silent operation.
- The optional room air sensor makes the MultiZoneBox a complete demand-controlled ventilation unit.
- Only one single, compact box is installed.

- Expendable parts and wear parts were dispensed with completely in the design of the KWL MultiZoneBox.
- Revolutionary technology safely guarantees the predefined volume flow.

Functional principle

Thanks to the intuitive PC software, the commissioning of the KWL MultiZoneBox is convenient and fast:

- Start software > enter air volumes > done!
There is no need for elaborate, time-consuming pressure differential measurements.
- A variety of other configuration options are available, if required.
- Once set, the defined parameters can be stored on a computer and transferred to other boxes.

The box in the network

All boxes can be combined to form a network and operated centrally (using a central controller, KWL-ZR, accessories):
 The KWL MultiZoneBox software allows the central commissioning of all boxes in the network. Optionally on-site or via the internet.

The ultimate solution

This technology is used to constantly coordinate the performance of the central ventilation unit with the changing conditions for each KWL MultiZoneBox. The unit supplies the exact air volume individually required for every moment. This reduces energy consumption without comprising on comfort.

Control element Touch

KWL-MZB-BET Ref. no. 04214

- **Description**
- Touch display made of glass for controlling the boxes.
- Dimensions (WxHxD) 110x93x19 mm.
- 3.9 inch display including temperature sensor, flush-mounted version.



Central controller

KWL-MZB-ZR Ref. no. 04215

- **Description**
- Central control, configuration and management of all connected boxes.
- Networking of up to 256 boxes.
- Fan optimiser function.
- Suitable switching power supply: KWL 45 SNH, No. 03001.

Control element ECO

KWL-MZB-BE Ref. no. 04213

- **Description**
- Manual 4-step operation or automatic mode. For flush-mounted installation.
- Dimensions (WxHxD) 80x80x10 mm.
- 4-step with LED, flush-mounted version.



Connection plate

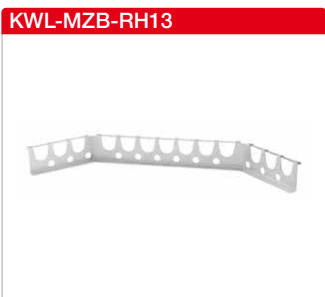
KWL-MZB-AP Ref. no. 04217

- **Description**
- For installation in concrete ceilings.
- Dimensions (WxHxD) 776x50x255 mm.
- 2 x 6 connectors DN 75.
- For direct box connection to the duct system in the ceiling.

Pipe support

KWL-MZB-RH13 Ref. no. 04249

- **Description**
- Pipe supports for one-sided connection of *flexpipeplus*.
- Consists of 1 connection plate with 13 supports.



Combi-sensor

KWL-MZB-VOC-F No. 04216

- **Description**
- Combi-sensor (air humidity and VOC) for installation in MZB.
- VOC-humidity sensor.
- Installation in KWL MultiZone-Box.

Pipe support

KWL-MZB-RH7 Ref. no. 04236

- **Description**
- Pipe supports for two-sided connection of *flexpipeplus*.
- Set consists of 2 connection plates each with 7 supports.



Humidity sensor

KWL-MZB-F Ref. no. 04250

- **Description**
- Air humidity sensor for installation in KWL MultiZoneBox.

Connection set

KWL-MZB-VSAP Ref. no. 04219

- **Description**
- For ceiling installation with connection plate. Set with 12 connectors and mounting bracket.
- Includes 12 connectors for connection plate.



Plastic connectors DN 75

KWL-MZB-KSS Ref. no. 04253

- **Description**
- Set consists of 2 pcs., for the optional, side connection of a ventilation duct DN 75 to KWL-MZB 125/125 (Ref. no. 04053), included in delivery for boxes 04050, 04051, 04052.

Technical data MultiZoneBox			
Type	Ref. no.	Type	Ref. no.
KWL-MZB 6+1-75/125 R90	04050	KWL-MZB 6+1-75/125*	04052
KWL-MZB 6+1-75/125 L90	04051	KWL-MZB 125/125*	04053
Range of application			40–220 m³/h
Measurement accuracy			+/-10 m³/h
Voltage / Frequency			1~, 230 V, 50 Hz
Max. power consumption			6 Watt
Protection category			IP40
Weight			25 kg

* Supply air and extract air flow directions freely selectable. Individual type details at www.HeliosSelect.de.

■ **Reference**
Suitable revision solution for drywall construction on request.

KWL® with heat recovery