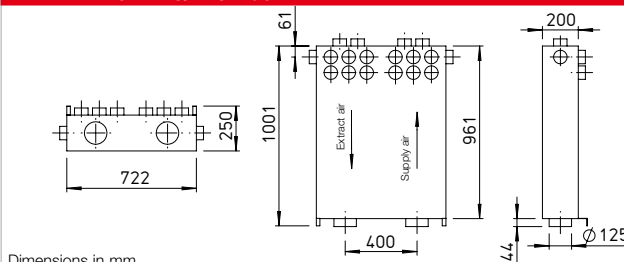
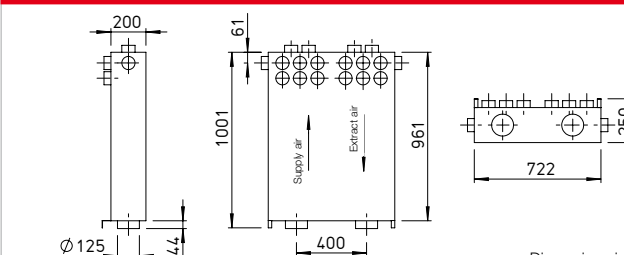


KWL-MZB 6+1-75/125 R90 and KWL-MZB 6+1-75/125 L90


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

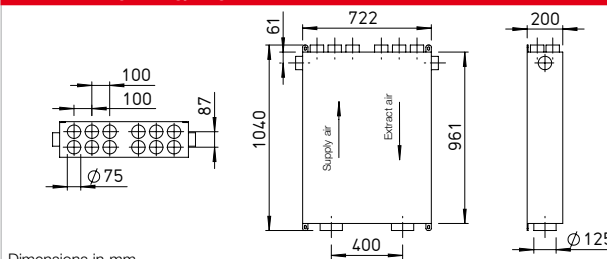
KWL-MZB 6+1-75/125 L90


Dimensions in mm

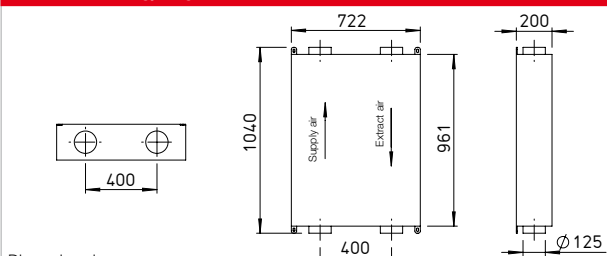
KWL-MZB 6+1-75/125 and KWL-MZB 125/125


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,

high 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, outdoors or indoors – the KWL MultiZoneBox always ensures that air is distributed according to requirements.

Special features

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

- ☐ The KWL MultiZoneBox has been designed without expendable or wear parts.
- ☐ An innovative technology reliably provides 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 required airflow rate is supplied at any given time, precisely in line with demand. This helps reduce energy consumption while maintaining a high level of 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.

KWL-MZB-BET



KWL-MZB-ZR



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.

KWL-MZB-BE



KWL-MZB-AP



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.

KWL-MZB-RH13



KWL-MZB-VOC-F



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.

KWL-MZB-RH7



KWL-MZB-F



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.

KWL-MZB-VSAP



KWL-MZB-KSS



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. 04052), 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.