

Beautiful and clean

Air flows into the M1 from all sides. The front facade is completely closed and elegantly conceals the bothersome clogging zone in conventional compact fans.

The M1 blends in harmoniously in all environments. The smooth-surfaced front facade always remains easy to maintain and clean.


Intelligent humidity control function

The humidity control function of type M1/100 F automatically activates the fan depending on the humidity increase rate. The turn-off delay time depends on the room humidity reduction. In case of constantly high humidity, the fan will automatically switch to interval mode.

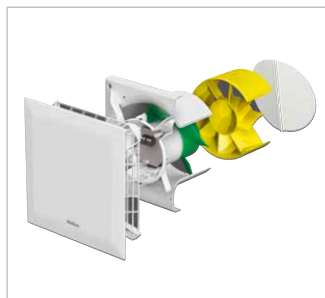

Rapid connection

The electrical connection is enormously facilitated by a generously dimensioned, circumferential cable storage space on the back of the unit, the full rotatability of the casing and screwless terminals.

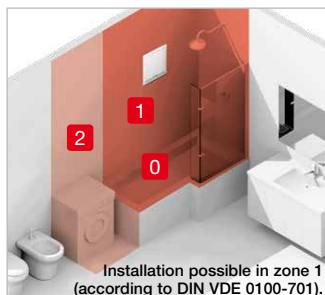
Long-life ball bearings for 40.000 operating hours allow installation in any position, even directly in the ceiling.


Flexible installation depth

The removeable guide wheel reduces the installation depth from 96 to 52 mm. Installation possible with or without backdraught shutters.


Applicable in wet room zone 1

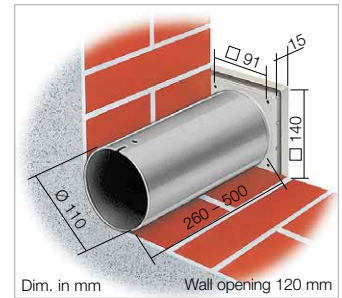
MiniVent M1/100 complies with jet water protection IPX5, insulation protection class II and may be used in zone 1 according to DIN VDE 0100-701.


Wall mounting kit
WES 100 Ref. no. 00717

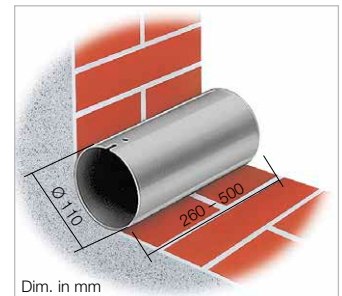
Two telescoping plastic ducts serve as the wall/feed duct; for flush-mounted installation.

External wall connection possible in two ways:

- Frame with three blades as an automatic shutter.
- Use of the frame with fixed grille. All parts made of high-quality plastic.


Telescopic wall sleeve
TWH 100 Ref. no. 06352

Like WES, but without shutter and grille.


Operating and speed switch
0-1-2 for standard model
MVB Ref. no. 06091

With functions On/Off, low and high speed.

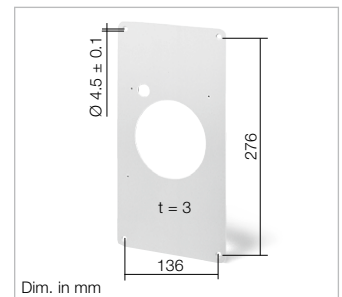
Load capacity 3 A (ind.)
 Voltage 230 V, 1~, 50/60 Hz
 Protection category IP 30
 Installation in standard flush-mounted box
 Dimensions mm W 80 x H 80 x D 15
 Weight approx. 0.1 kg


Mounting panel
MBR 90/160/300 Ref. no. 00281

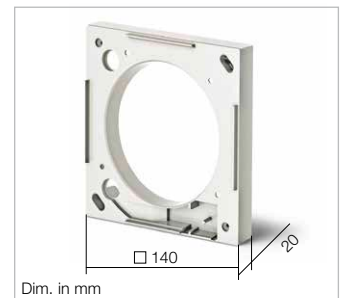
Made of high-quality, impact-resistant plastic, colour: alpine white. Ideal for use in renovations.

All M1/100 models can be easily installed in existing, rectangular shaft openings with the mounting panel.

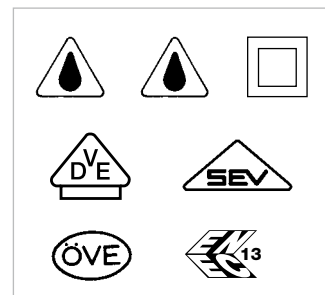
The panel can be fully painted or wallpapered in order to hide it.


Mounting flange
MF 100 Ref. no. 06188

For installation depth reduction in case of thin walls, narrow shafts and short bends. Also suitable for the installation of a drawcord switch (accessories). If required, multiple MF 100 can be connected to each other.


Accessory details Page

Flexible ventilation ducts, roof outlets and ventilation grilles	561 ff.
Intake air elements	586 ff.



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Intelligent humidity control function

The humidity control function of type M1/120 F automatically activates the fan depending on the humidity increase rate. The turn-off delay time depends on the room humidity reduction. In case of constantly high humidity, the fan will automatically switch to interval mode.



Rapid connection

The electrical connection is enormously facilitated by a generously dimensioned, circumferential cable storage space on the back of the unit, the full rotatability of the casing and screwless terminals.

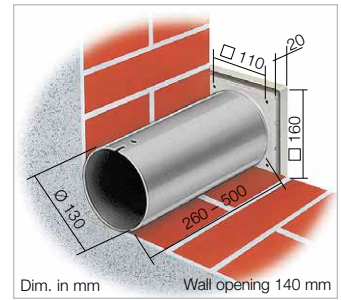
Long-life ball bearings for 40.000 operating hours allow installation in any position, even directly in the ceiling.



Wall mounting kit

WES 120 Ref. no. 00486

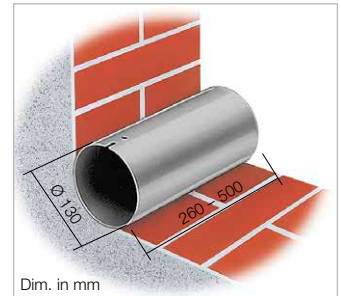
Two telescoping plastic ducts serve as the wall/feed duct. The external wall connection is carried out by using the frame with blades as an automatic shutter.



Telescopic wall sleeve

TWH 120 Ref. no. 06353

Like WES, but without shutter.



Operating and speed switch 0-1-2 for standard model

MVB Ref. no. 06091

With functions On/Off, low and high speed.

Load capacity 3 A (ind.)

Voltage 230 V, 1~, 50/60 Hz

Protection category IP 30

Installation in standard flush-mounted box

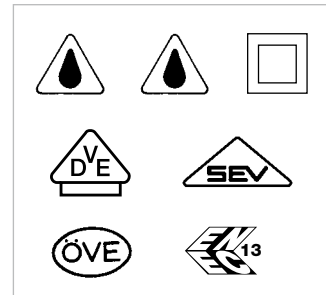
Dimensions mm W 80 x H 80 x D 15

Weight approx. 0.1 kg



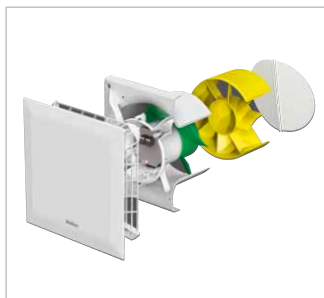
Accessory details Page

Flexible ventilation ducts, roof outlets and ventilation grilles	561 ff.
Intake air elements	586 ff.



Flexible installation depth

The removeable guide wheel reduces the installation depth from 116 to 70 mm. Installation possible with or without back-draught shutters.



Applicable in wet room zone 1

MiniVent M1/120 complies with jet water protection IPX5, insulation protection class II and may be used in zone 1 according to DIN VDE 0100-701.



Installation possible in zone 1 (according to DIN VDE 0100-701).

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Intelligent humidity control function

The humidity control function of type M1/150 F automatically activates the fan depending on the humidity increase rate. The turn-off delay time depends on the room humidity reduction. In case of constantly high humidity, the fan will automatically switch to interval mode.

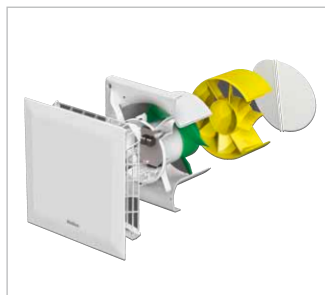

Rapid connection

The electrical connection is enormously facilitated by a generously dimensioned, circumferential cable storage space on the back of the unit, the full rotatability of the casing and screwless terminals.

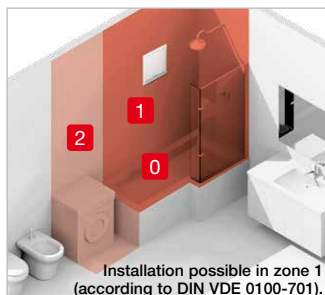
Long-life ball bearings for 40.000 operating hours allow installation in any position, even directly in the ceiling.


Flexible installation depth

The removeable guide wheel reduces the installation depth from 142 to 76 mm. Installation possible with or without back-draught shutters.


Applicable in wet room zone 1

MiniVent M1/150 complies with jet water protection IPX5, insulation protection class II and may be used in zone 1 according to DIN VDE 0100-701.

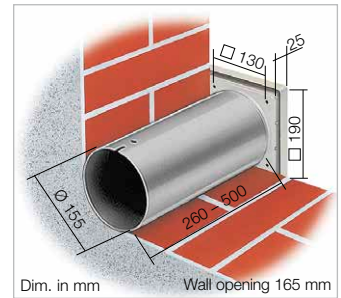

Wall mounting kit

WES 150 Ref. no. 00537

Two telescoping plastic ducts serve as the wall/feed duct; for flush-mounted installation.

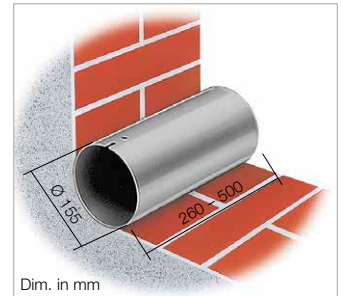
External wall connection possible in two ways:

- a) Frame with three blades as an automatic shutter.
- b) Use of the frame with fixed grille. All parts made of high-quality plastic.


Telescopic wall sleeve

TWH 150 Ref. no. 06354

Like WES, but without shutter and grille.


Operating and speed switch
0-1-2 for standard model

MVB Ref. no. 06091

With functions On/Off, low and high speed.

Load capacity 3 A (ind.)
 Voltage 230 V, 1~, 50/60 Hz
 Protection category IP 30
 Installation in standard flush-mounted box
 Dimensions mm W 80 x H 80 x D 15
 Weight approx. 0.1 kg


Speed switch for
M1/150 N/C and M1/150 F

DSEL 2 Ref. no. 01306

With functions On/Off, low and high speed.

Load capacity 3 A (ind.)
 Voltage 230 V, 1~, 50/60 Hz
 Protection category IP 30
 Installation in standard flush-mounted box
 Dimensions mm W 80 x H 80 x D 15
 Weight approx. 0.1 kg


Speed potentiometer for M1/150
0-10 V

With functions On/Off, continuously variable speed control.

PU 10 Ref. no. 01734
 For flush-mounted installation.

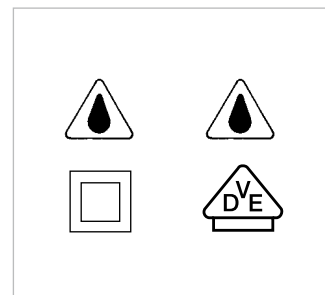
Installation in standard flush-mounted box
 Dim. mm W 80 x H 80 x D 21 protr.

PA 10 Ref. no. 01735
 For surface-mounted installation.

Casing Surface installation
 Dimensions mm W 80 x H 80 x D 65


Accessory details Page

Flexible ventilation ducts, roof outlets and ventilation grilles	561 ff.
Intake air elements	586 ff.
Universal control system, Speed potentiometer	613 ff.



■ **Mini fans HR 90 KE especially for ceiling installation**

Ball bearing mounted fans are best suited for vertical installation in the ceiling. The mounting flange MF 90 (accessories) prevents the ingress of condensate into the fans from vertical pipes.



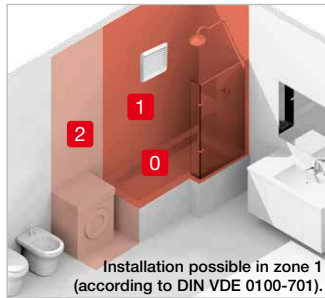
■ **Screwless installation**

HR 90 KE have screwless terminals for electrical connection. The facade can be quickly attached due to a snap-in mechanism. Side spring clips facilitate installation in ducts with NW 100.



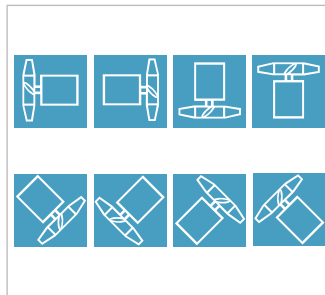
■ **Applicable in wet room zone 1**

The HR 90 KE models comply with protection category IP X5 (jet water protection) and may be used in zone 1 according to DIN VDE 0100-701.

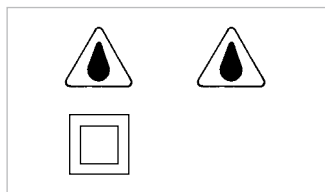


■ **Installation in any position**

HR 90 KE is equipped with electrical inner shutter and high-quality long-life ball bearings as standard. This allows wall and ceiling installation in any position – vertical, horizontal or diagonal.



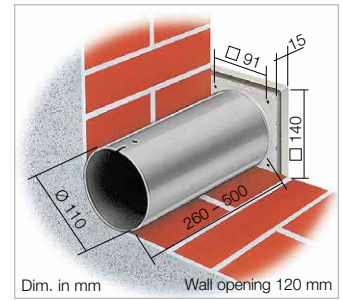
■ **Test marks**



Wall mounting kit

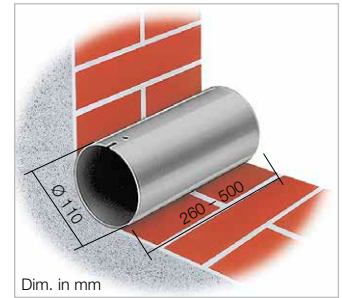
WES 90 Ref. no. 00717

Two telescoping plastic ducts serve as the wall/feed duct; for flush-mounted installation. External wall connection possible in two ways:
a) Frame with three blades as an automatic shutter.
b) Use of the frame with fixed grille. All parts made of high-quality plastic.



Telescopic wall sleeve

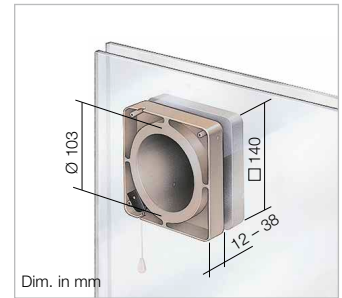
TWH 90 Ref. no. 06352
Like WES, but without shutter and grille.



Window mounting kit

FES 90 Ref. no. 00462

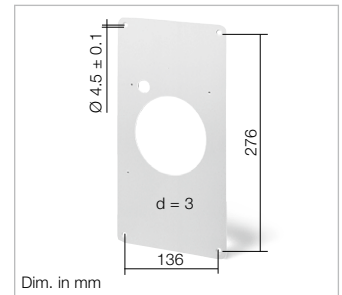
For the installation of HR 90 KE models in single and double glazed windows, thin walls and panels. Possible pane / wall thickness 1 to 40 mm. External cover with flat rain-repellent grille just 29 mm thick. Drawcord operation. Protection category IP20.



Mounting panel

MBR 90/160/300 Ref. no. 00281

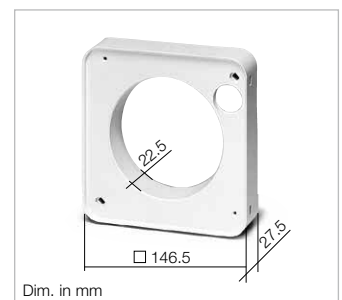
Made of high-quality, impact-resistant plastic, colour: alpine white. Ideal for use in renovations. HR 90 KE models can be easily installed in existing, rectangular shaft openings with the mounting panel. The panel can be fully painted or wallpapered in order to hide it.



Mounting flange

MF 90 Ref. no. 00819

Areas of application:
1. Required for ceiling installation. MF prevents the ingress of condensate into the fan from vertical extract air ducts.
2. For the simple installation of connection cables in case of an inconvenient wall outlet, because the fan is raised from the wall by 23 mm.
3. For the simple installation of the fan in narrow shafts. In case of 90° bend with a short duct connection, the MF reduces the installation depth of the fan.
4. In case of installation in thin walls, the installation depth of the fan can be reduced as follows: To 35 mm with 1 mounting flange. To 7 mm with 2 mounting flanges. Colour: Alpine white.



■ **Accessory details Page**

Flexible ventilation ducts, roof outlets and ventilation grilles	561 ff.
Intake air elements	586 ff.
Speed controllers, controllers & turn-off delay switches	599 ff.