



I      DE      **Einbauanleitung  
für den Radial-Rundkanallüfter  
Typ RA 15-60**

- Bitte an den Nutzer weiterleiten -

II      EN      **Installation Manual  
for the Radial Wall-Tube Fan  
Type RA 15-60**

- Please pass on to user -


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## About this manual

Read this manual carefully and completely before assembly! Always observe the general safety instructions and the safety symbols with information in the text.


Hand out this manual to the user (tenants, proprietors, property management etc.) after completing assembly.


### Symbols in this manual:


 This sign warns you against risks of injury


 This sign warns you against risks of injury from electricity

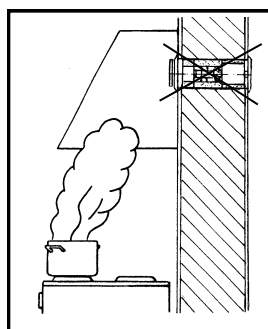
## Safety instructions

 **Caution!** Any assembly work to the ventilation device may only be carried out after disconnecting the supply voltage! The ventilation device is fitted with protective insulation according to Protection Class II; a protective conductor connection is not required!

 **Attention!** The electrical connection may only be made by authorised qualified personnel and according to the applicable version of VDE 0100!

 **Attention!** This device must not be operated by children and persons (filter replacement / cleaning) who are not able to operate the device safely due to their physical, sensory or mental abilities or their inexperience or lack of knowledge.

 Fans for exhaust air operation must at any time be provided with a continued flow of outside air.



Fans must not be installed for usage as extractor hood.

## Disposal



The packaging must be sorted before disposal. If you wish to dispose of the ventilation device, observe the currently applicable regulations. Pursuant to the German Electrical and Electronic Equipment Act (ElektroG) this device can be returned to your municipal collection point free of charge.

**Electrical connection**

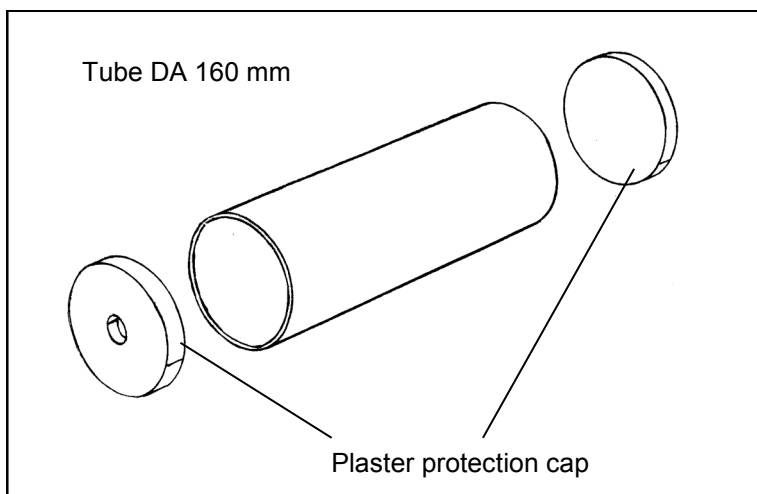
Supply voltage: 12 VDC SELV  
 Protection class: II  
 Protection type: IP 20

Connected load: 28 W (start-up)  
 Power consumption:  
 Low stage (15 m<sup>3</sup>/h) 0,6 W  
 Middle stage (30 m<sup>3</sup>/h) 1,3 W  
 High stage (60 m<sup>3</sup>/h) 7,2 W

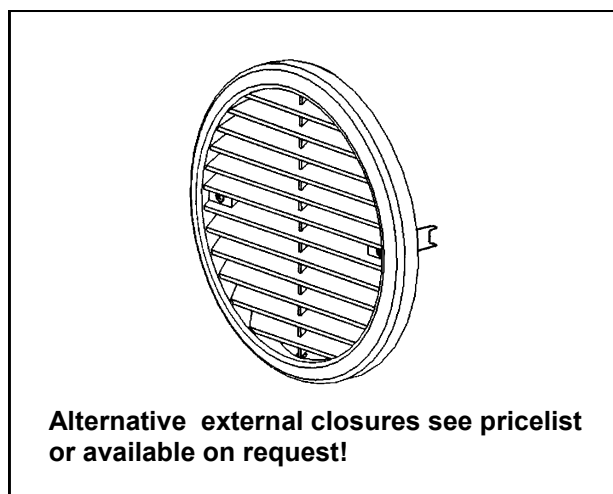
**Shipping units**

Please check the delivery for completeness and mint condition

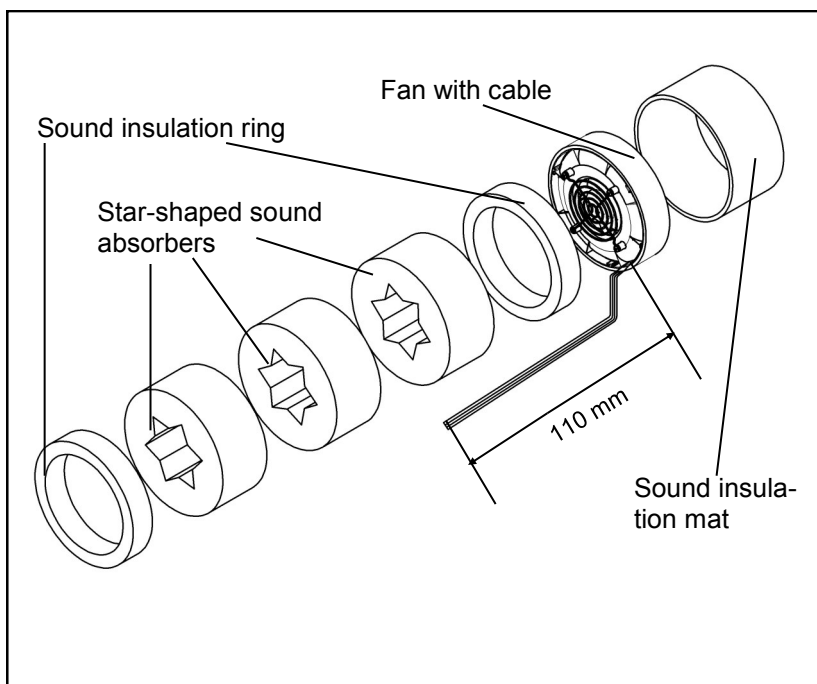
**Assembly tube**



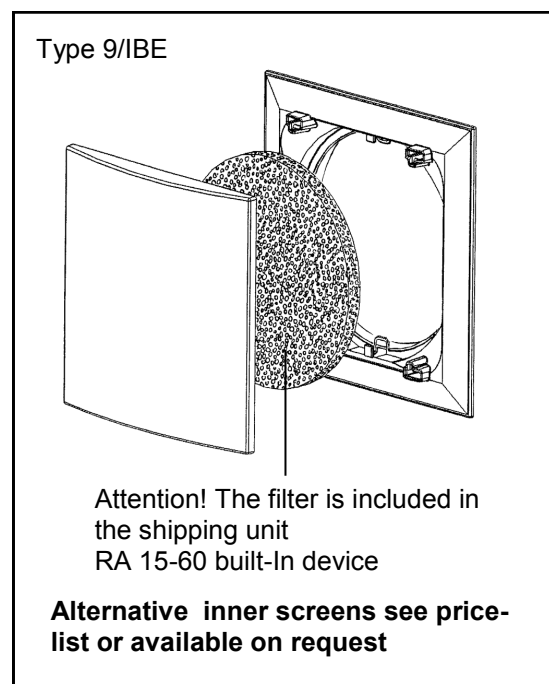
**Outer grille**

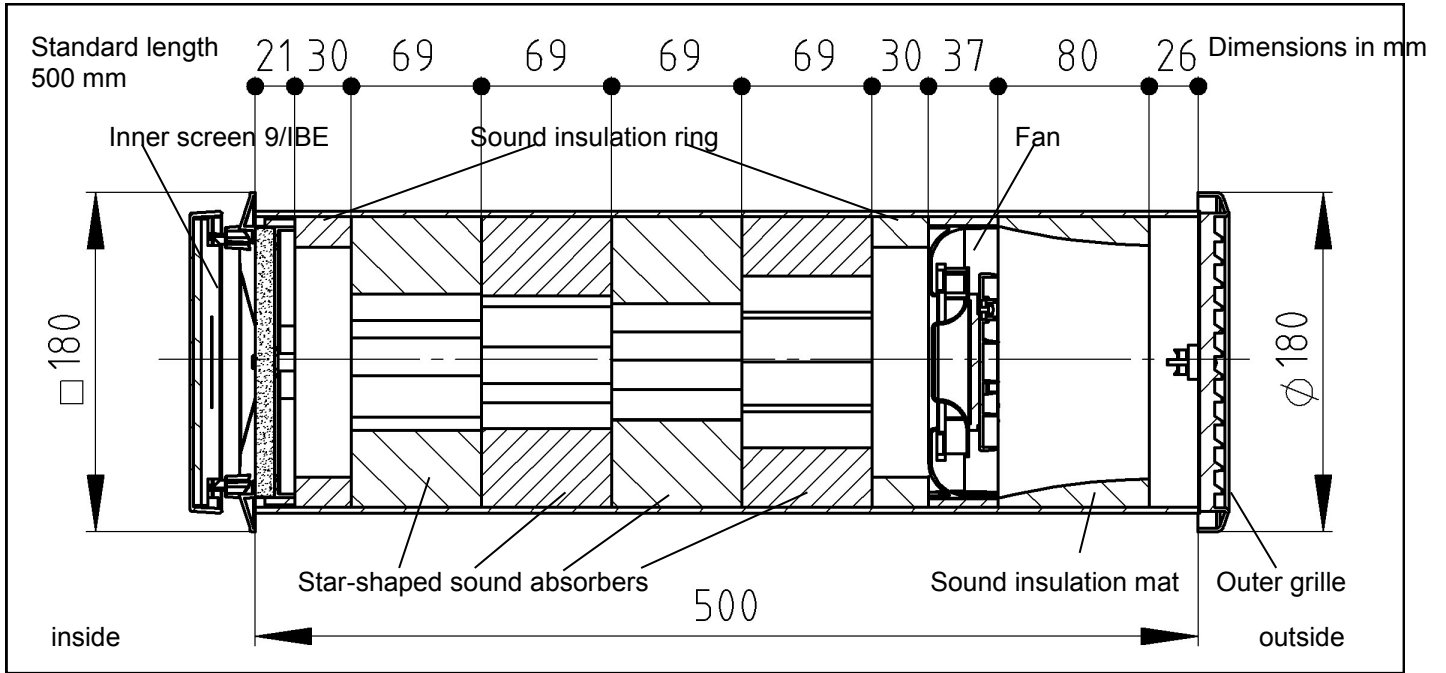


**RA 15-60 Built-in device**

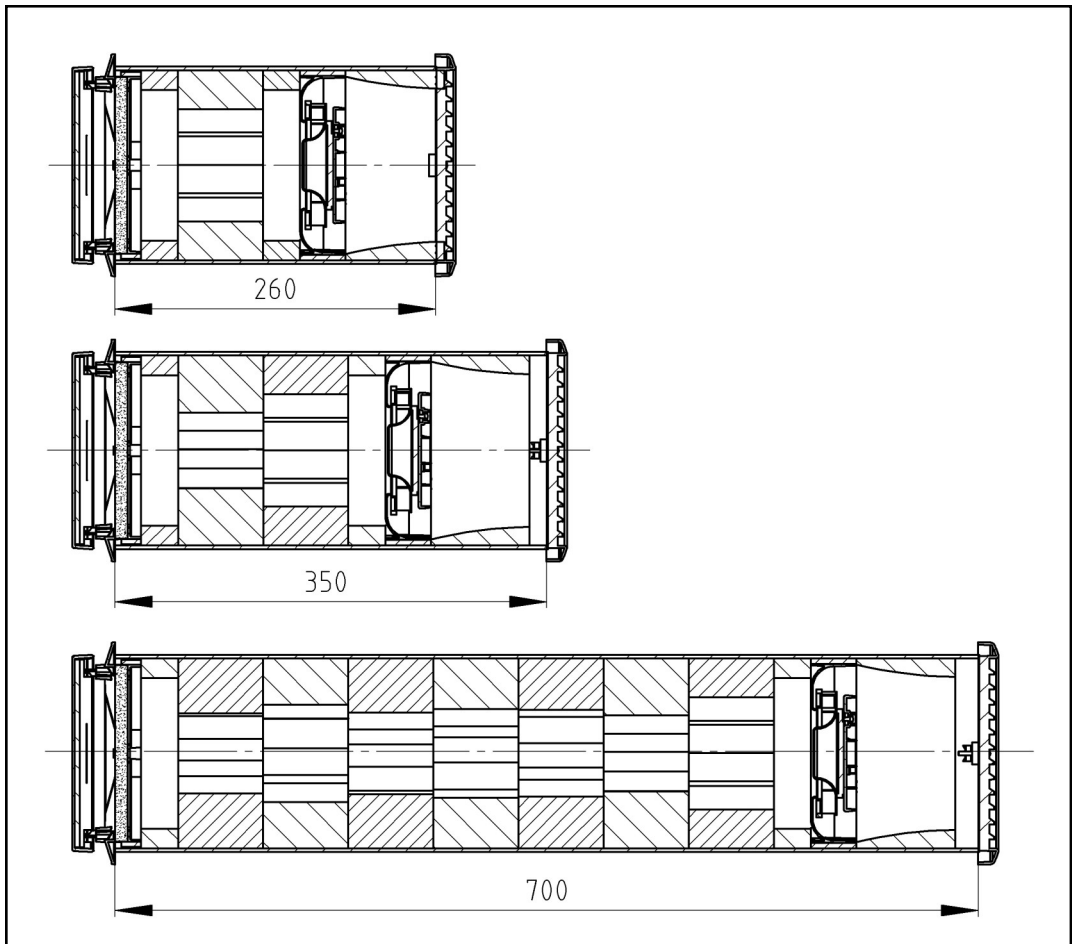


**Inner screen**

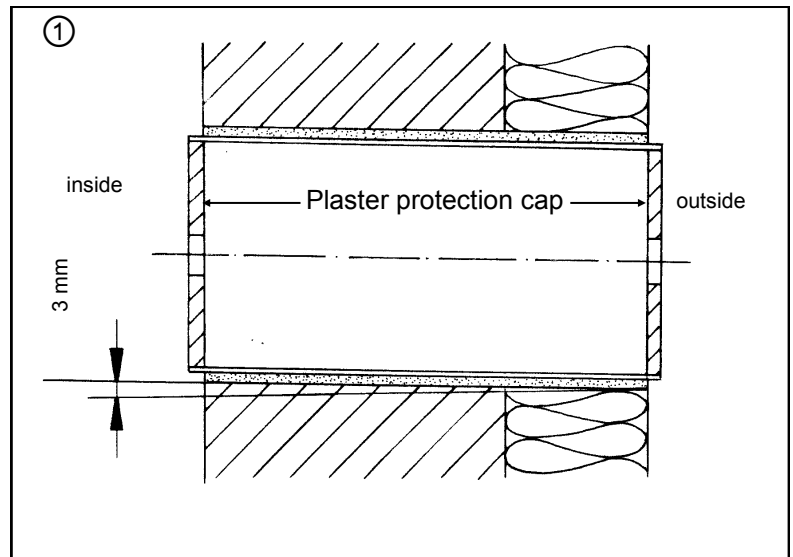




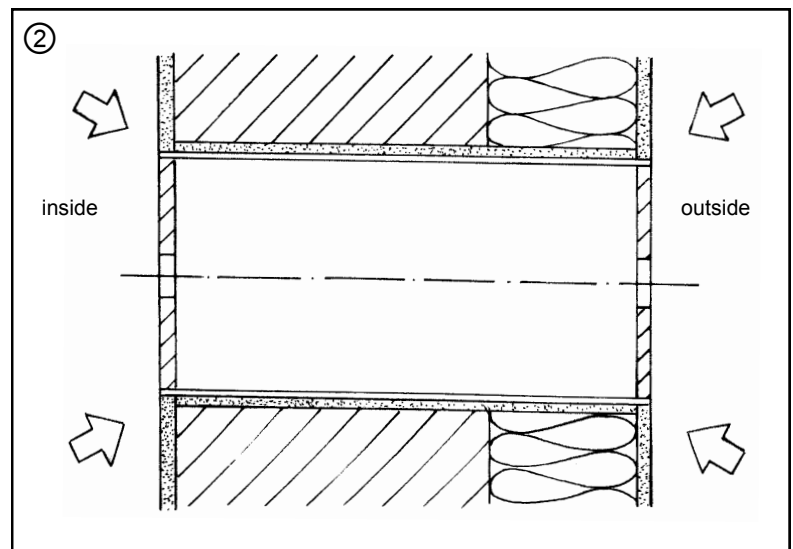
Other installation lengths:  
Please observe the differing number of star-shaped sound absorbers to be inserted!  
The pictured order of the elements in the tube must always be observed!  
The sound insulation mat must be inserted with the thicker side towards the outer grille! If necessary, shorten the sound insulation mat from the outside.



Prepare wall openings for the assembly tube (e.g. via core drilling, core bit  $\varnothing 162$  mm). If necessary, shorten the tube to the installation length required (min. 243 mm). In doing so, ensure the necessary excess length of the tube on both sides to bridge the plaster thickness (after plastering, the tube must be flush with the plaster or flush with the wall or insulation in the case of outer grilles to be plastered). Insert the tube and seal it all around (assembly adhesive Order No. 038 733).



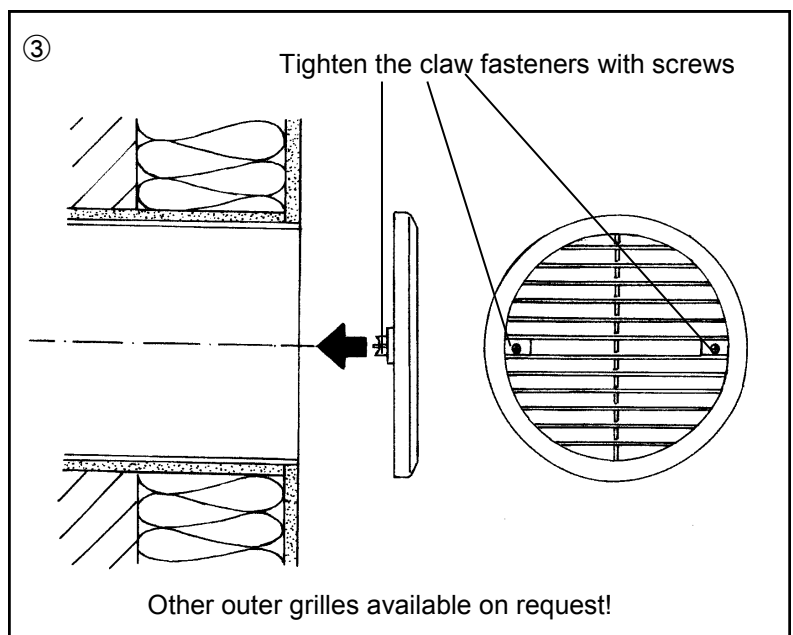
Apply the internal and external plaster. In the case of an external closure to be plastered, first replace the plaster protective cap outside with the external closure.




Remove the plaster protection cap outside. Mount the outer grille using the integrated claw fasteners (tighten the screws).

**Note:**

The solid plastic outer covers provided by LUNOS ensure high resistance to driving rain and can be used in Stress Group III pursuant to DIN 4108-3 (2014-11). Metal or metal-coated covers can be used in Stress Group I pursuant to DIN 4108-3 (2014-11). In the case of buildings exposed to wind or the risk of strong winds and rain to the outer covers, further measures of weather protection may be required.



**Safety Instructions:**

 Caution! Any assembly work to the ventilation device may only be carried out after disconnecting all poles of the supply voltage!

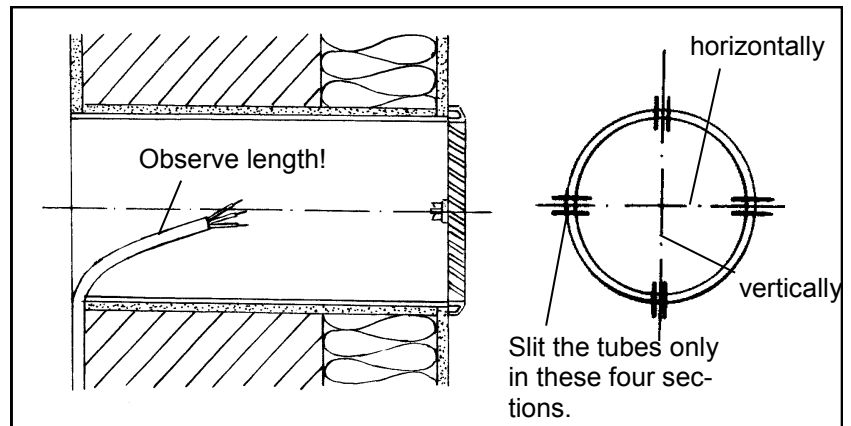
Make sure that the supply voltage of all connection lines is voltage-free (dead)! (Separation from the power supply with a minimum contact opening of 3 mm, e.g. electric fuse separating all poles).

Each electric circuit of this ventilation system must be fitted with a residual current protection (e.g. FI switch/ RCCB)!

 Electrical connection only by a specialist!

Additional installations and electrical components in this ventilation system are not admissible!

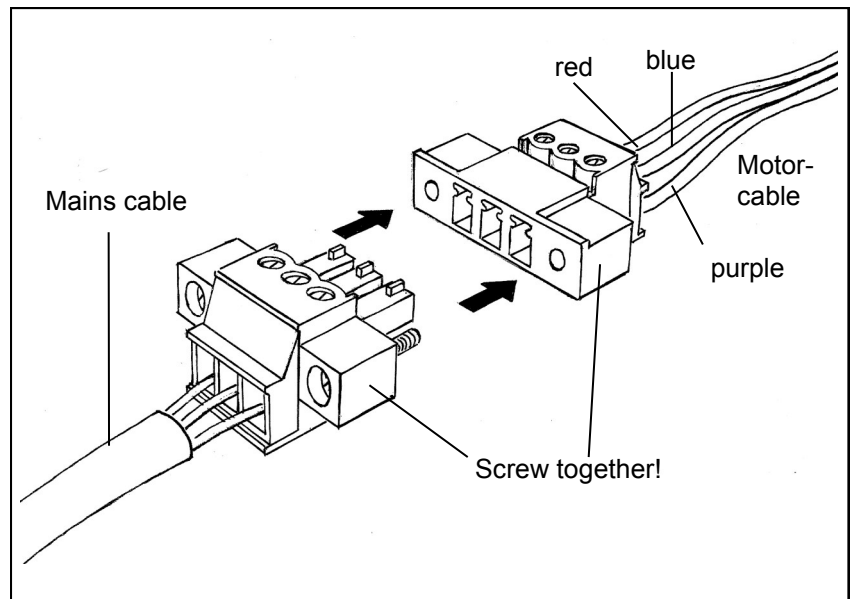
Slit the cable duct and tube (2 cm deep). Only slit the tube vertically or horizontally! Insert the mains cable at an appropriate length into the tube. Depending on the length of the assembly tube, make sure that the mains cable is long enough to reach the connector plug of the motor!



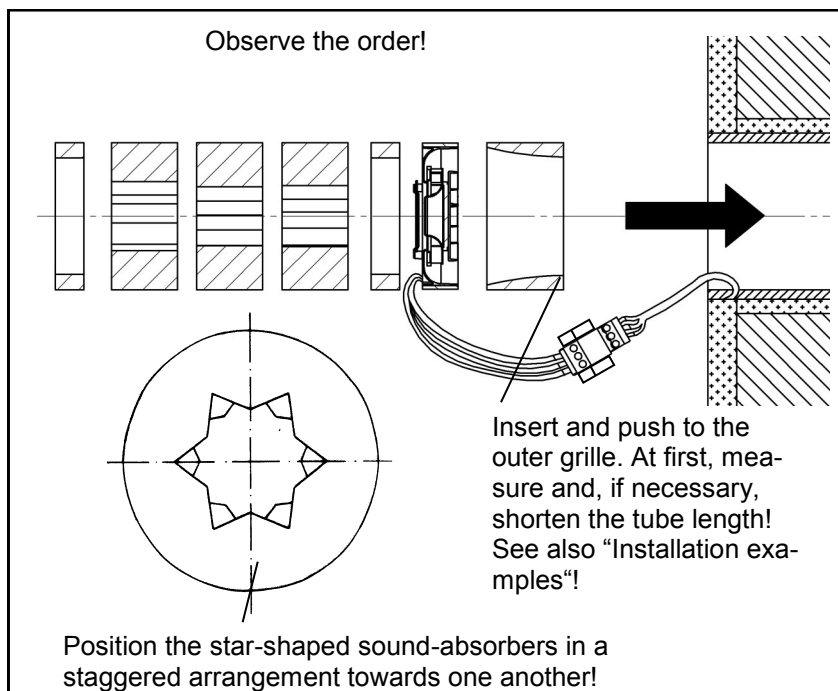
Strip and insulate the connection cable. The motor is operated with 12 V DC. The setting of the airflow levels is carried out via the control line (purple). The motor can also be operated via several controls supplied by LUNOS.

**All controls are supplied with installation manuals including connection diagrams!**

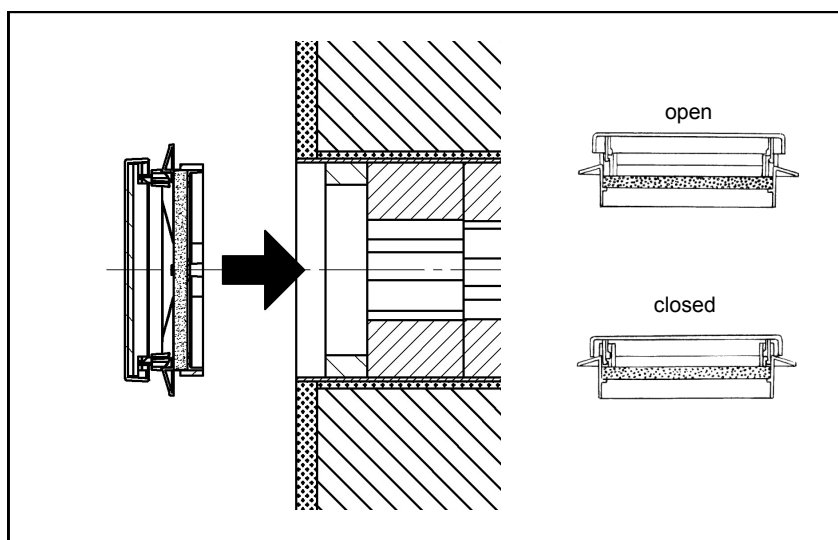
Mount the mains cable to the plug. After putting together the plug, fix the connection by screwing it together.



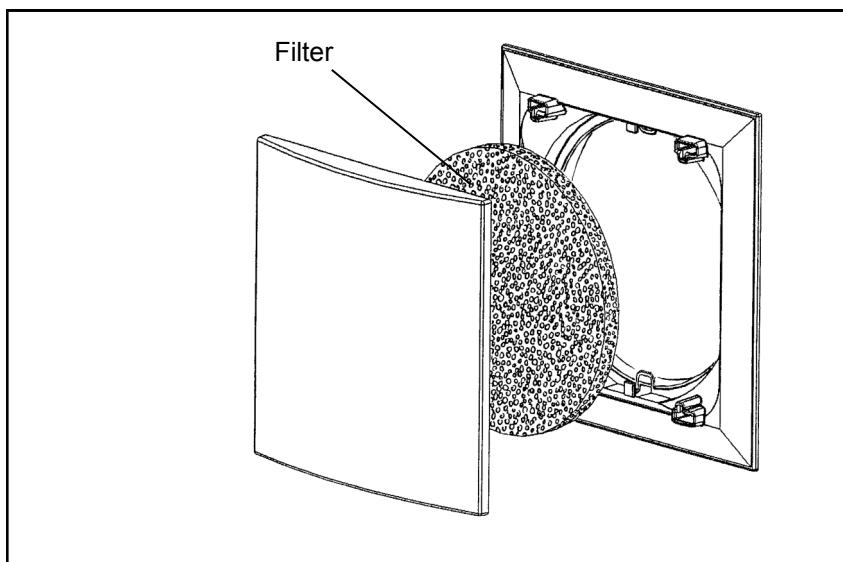
Insert the sound insulations (if necessary, slit for better positioning of the mains cable) and the motor unit into the assembly tube. Position the mains cable between the sound absorbers and the tube wall!



Insert the internal closure with filter. Snap the inner screen into place in open position! Done!



A dirty filter is signalled by the filter change indicator. For information on how this is done, please refer to the description of the control that you use. Remove cover, take filter out, insert new or cleaned filter (filters can be cleaned e.g. in a dishwasher), put cover back on. The ventilation openings must not be obstructed or covered.



Please enter the filter changes you have carried out:

Filter replacement date	Expected filter replacement	Type of filter used

**Cleaning**



If necessary, wipe the inner screen and covering frame with a dry soft cloth. Filter replacement and cleaning must not be carried out by children or by persons who are not able to operate the device safely due to their physical, sensory or mental abilities or their inexperience or lack of knowledge.

**Additional parts and replacement parts**

- Inner screen compl. 9/IBE Order No.: 039 851
- Replacement filters 9/FIB3R three-pack Order No.: 037 214
- Outer grilles:
- Type 1/WE 180 white Order No.: 039 852
- Type 1/RE 180 red-brown Order No.: 039 854
- Type 1/BE 180 sanded Order No.: 039 917
- Outer grilles for plastering available on request



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