



AEBOX PLUS

CYLINDRICAL SILENT AIR HOSE OF REDUCED DIMENSIONS CONFORMING WITH LAW-DECREE OF 5/12/97

AEBOX PLUS is a silent air hose to be installed to substitute ventilation holes in the building facades, it guarantees a free surface for air passageway superior to 120 cm².

AEBOX PLUS is formed of a rigid body made of a cylindrical plastic material with a diameter of about 197 mm for a length of 270 mm; inside a spiralled silent flexible product made of plastic material has been inserted.

AEBOX PLUS is certified by primary studies at European level, it has passed many laboratory tests highlighting excellent performances $D_{n,e,w} (C; C_{tr})$ minimal value obtained in institute 45dB.

AEBOX PLUS is the first cylindrical silencer having reduced dimensions, this particular characteristic makes it unique and suitable for any kind of buildings.

TECHNICAL DATA AND PACKAGING

AEBOX PLUS Diameter	Hole size to be done on wall with coring machine	Silencer Length	Internal sound absorbent circular element	Silencer colour	Internal air passageway	Contents per carton	Contents per carton
						Small carton	Big I carton
197 mm	200 mm	270 mm	Ø 127 mm	Black/White	≥ 100 cm ²	1 piece	20 pieces

RELIABLE

AEBOX PLUS is made of anti-mould, antibacterial and root-proof material. The used products are plastic materials durable over time guaranteeing a steady and not variable acoustic reduction.

AEBOX PLUS has an air passageway superior to 120 cm² and it is without bottlenecks. The system as it has been thought allows to have a correct and natural ventilation linked to a remarkable acoustic reduction (minimum value obtained in institute with a test at peyorative condition equal to 45 dB).

AEBOX PLUS does not need to be substituted since the product internally is practically indestructible.

APPLICATIONS

AEBOX PLUS solves the problem of acoustic insulation and of ventilation holes allowing the air flow as requested by the actual legislation. Thanks to its compact and cylindrical shape and its acoustic quality it becomes suitable for the renovations whereas the compliance of the ventilation holes to acoustic actual legislations and to all new constructions is necessary.



TIME SAVING

AEBOX PLUS allows to save more than 80% on assembling time.

FAST

AEBOX PLUS is fast to prepare and can be installed even when the building is completed, by doing a simple hole.

THE FIRST ONE WHERE INSPECTION IS POSSIBLE

AEBOX PLUS can be inspected, simply remove the ventilation grate on the inside of the building (kitchen), remove the silencer, clean it with compressed air and reinsert it in the appropriate location.

TECHNICAL CHARACTERISTICS

Material Description: Internal element	Sound absorbent ridged plastic circular element
Material Description: External element	Caps: elastomeric polypropylene compound Cylinder: elastomeric polypropylene compound
Internal conductivity ratio	Very good (Internal method)
Main characteristics Internal Element	Sound absorbent, continuous ridged, rot-proof material, does not crumble, does not mould.
Main characteristics External Element	Very good resistance to impacts
External taps sealing	Airtight
Acoustic reduction	45 dB Certified
Air flow	≥ 100 cm ²
Sound absorbent pipe diameter	127 mm
Weight	About 1 kg/ piece
Colour	Black- White
Length	270 mm
Diameter	197 mm



NOTES FOR LAYING THE CYLINDRICAL SILENCER FOR RENOVATION

1) On plastered or not plastered wall make a $\varnothing 200$ mm hole with coring machine

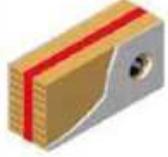


2) Insert the Silencer inside the obtained hole

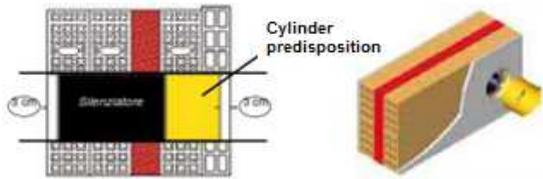


Line up the AEBOX PLUS towards the internal or external part of the wall and verify that there is a 3 cm. free space in respect of the planned plaster for the grid insertion

3) Plaster if necessary

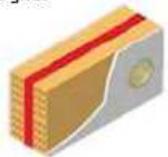


3b) If wall exceed the 40 cm. thickness



Before the introduction of AEBOX PLUS insert the eco-friendly cylindrical predisposition. Length 550.
See the above mentioned drawing

4) Insert the grids



N.B.: Before installing the grids, if necessary, seal the ends of the hole made with the coring machine (after having inserted the Silencer), with a white color 1,5 cm thick gasket

4b) Insert the grids

The suggested accessories (Predisposition $\varnothing 200$.) are supplied separately from the manufacturer of the Silencer.

The Cylindrical Silencer is not sold with the grids

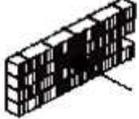
Suggested grid



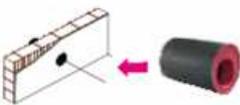

Eco-friendly cylindrical predisposition for AEBOX PLUS.



NOTES FOR THE CYLINDRICAL SILENCER APPLICATION FOR EXTERNAL BRICK WORK OF NEW CONSTRUCTION

1)  During the construction of the external wall, insert the **internal eco-friendly cylindrical predisposition** Ø 200 mm in the planned position

2)  Proceed with the plastering and trimm the exceeding cylindrical predisposition if necessary

3)  Insert the **AEBOX PLUS** inside the pipe.

4)  Apply the grids

The suggested accessories (Predisposition Ø 200 mm . O-ring) are supplied separately from the manufacturer of the silencer.



Suggested grid



Eco-friendly cylindrical predisposition for AEBOX PLUS.

SPECIFICATION

Acoustic insulation of ventilation holes in the building perimeter wall. To comply with the law requirements on buildings acoustic insulation (L. 447/95 e D.P.C.M. 05/12/1997) we advise the ventilation holes silencer complying to norm UNI EN ISO 140-10 and UNI EN ISO 717-1 named AEBOX PLUS by VALLI ZABBAN SPA which allows the minimum acoustic reduction of 45 dB and complies with norm UNI CIG GAS 7129-2.

Rev. 2 – 10/20

