



Plenum Box For Diffuser
DPB

INSTALLATION IN A GYPSUM CEILING

A) Opening in the gypsum

Choose one of the three (3) options installation shown at right.

Option 1

- Measure the diffuser's dimensions
- **REMOVE** 13 mm or (1/2 inch)
- Cut a square in the gypsum corresponding to these measures (dimension of diffuser - 13 mm)
- Around this hole, insert a plaster frame and fix it

Option 2 and 3

- Measure the diffuser's dimensions
- **ADD** 13 mm (1/2") to the width and 13 mm (1/2") to the length
- Cut a square in the gypsum corresponding to these measures (dimension of diffuser + 13 mm)
- Around this hole, insert a plaster frame and fix it

B) Install the plenum box

The plenum will be suspended with metal wire through suspension's holes (4) predrilled for this purpose.

As shown in the drawing on the right, install the plenum by adjusting its height. According to option 1 and 2, the base of the plenum should be 1/8" into the hole or, with option 3, the base of the plenum will press outside the gypsum's hole.

C) Install the diffuser

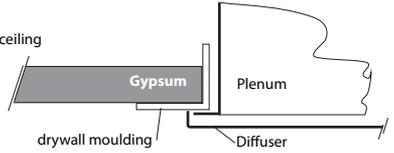
Fix the diffuser using the anchor screw provided for this purpose, through the center of the cross-piece in the plenum.

NOTE: You will find the 140 mm (5 1/2") anchor screw clipped on the back of the diffuser.

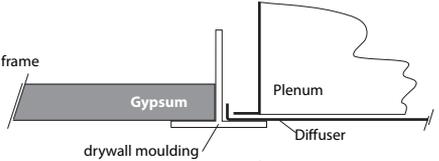
Note:

For the diffuser DN 800, 4 additional screws in corners of the front plate ensures its fixing.

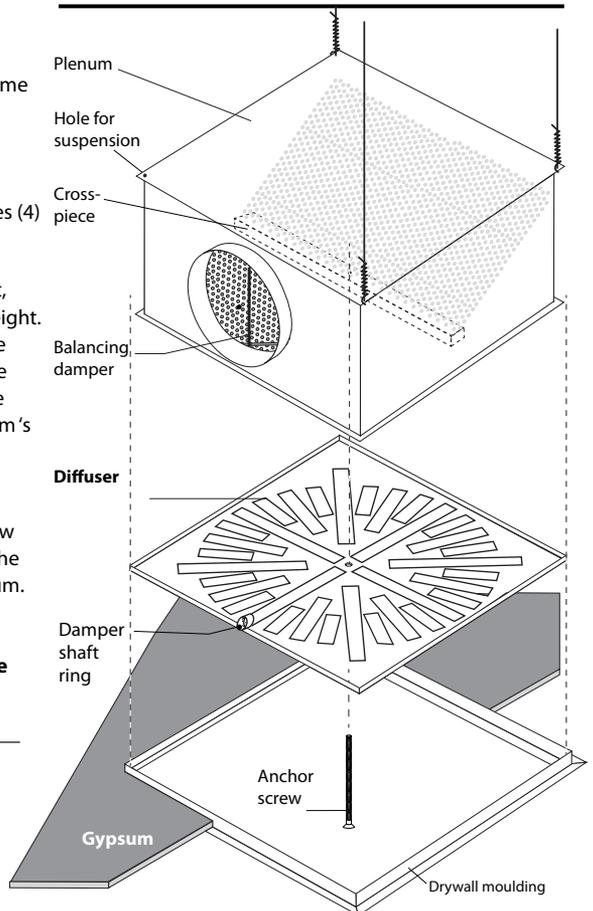
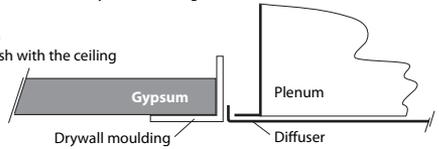
Option 1
diffuser under the ceiling



Option 2
diffuser on frame



Option 3
diffuser flush with the ceiling



INSTALLATION IN A GYPSUM CEILING

A) Opening in the gypsum

Choose one of the two (2) installation options shown on the right.

Option 1

- Measure the diffuser's diameter ($\varnothing D$).
- REMOVE 13 mm (1/2 inch)
- Cut a circle in the gypsum equivalent to this new measure ($\varnothing D - 13$ mm (1/2 inch)).
- Around this hole, place the gypsum guide and fix it.

Option 2

- Measure the diffuser's diameter ($\varnothing D$).
- ADD 13 mm (1/2 inch)
- Cut a circle in the gypsum equivalent to this new measure ($\varnothing D + 13$ mm (1/2 inch)).
- Around this hole, place the drywall moulding and fix it.

B) Install the plenum

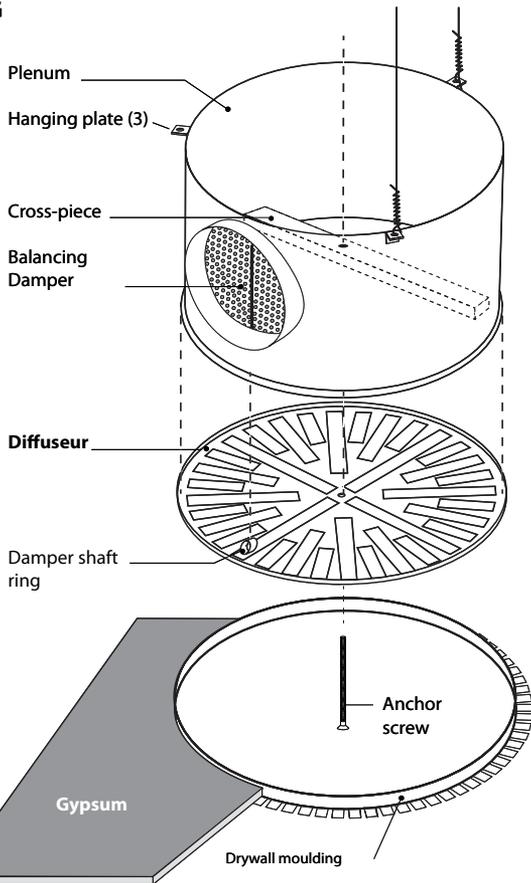
The plenum shall be hung by the parasismic hanging plate (3) with metal wire.

As shown in the drawing on the right, install the plenum and adjust its height. According to **option 1**, the lip of the plenum will be installed 6 mm (1/4") under the gypsum. Or, according to **option 2**, the base of the plenum must enter 3 mm (1/8") into the hole.

C) Install the diffuser

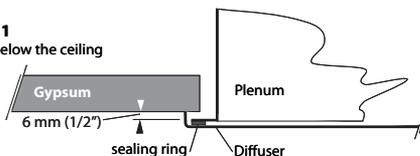
Install the diffuser making sure that the ring is perfectly aligned on the damper shaft ring.

Fix the diffuser using the 140 mm anchor screw provided for this purpose, in the center of the cross-piece in the plenum.



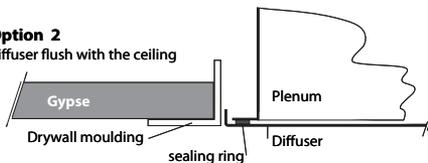
Option 1

diffuser below the ceiling



Option 2

diffuser flush with the ceiling



Note: For the diffuser DN 800, 4 additional screws in corners of the front plate ensures its fixing.

INSTALLATION IN SUSPENDING CEILING

A) Grid moulding

Make sure that the grid moldings of the suspended ceiling match the diffuser's face dimensions.

Also, make sure that the moldings of the ceiling are firmly anchored.

B) Install the diffuser to the plenum box

Place the diffuser in the plenum and, using the screw anchors provided for this purpose, fix of the diffuser of cross-piece in the plenum

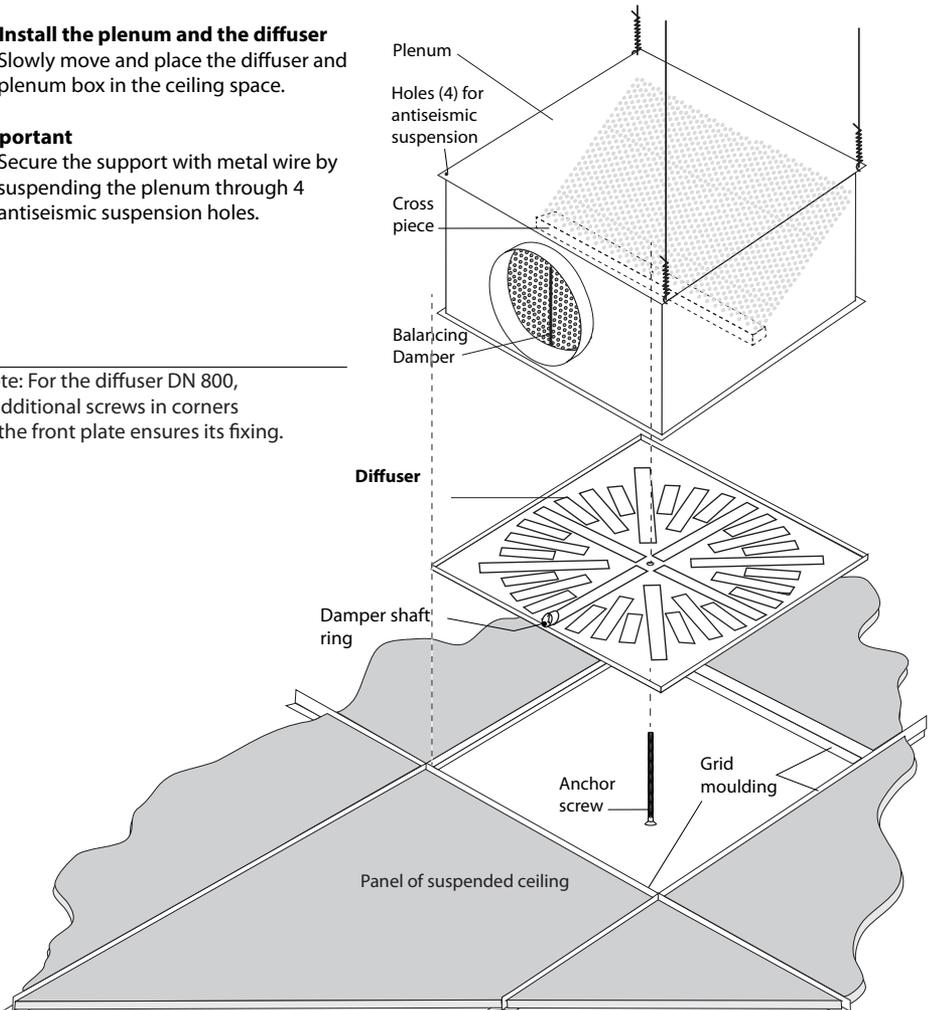
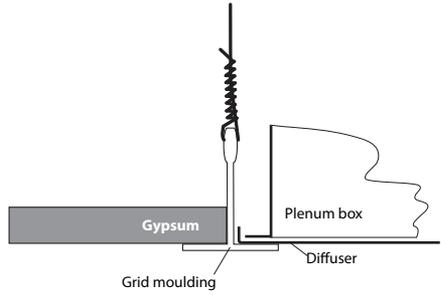
C) Install the plenum and the diffuser

Slowly move and place the diffuser and plenum box in the ceiling space.

Important

Secure the support with metal wire by suspending the plenum through 4 antiseismic suspension holes.

Note: For the diffuser DN 800, 4 additional screws in corners of the front plate ensures its fixing.



MAINTENANCE



We recommend cleaning the diffuser with a multi-filament brush or duster microfiber that you will pass softly on the diffuser. It has thermo-lacquered finish for an easy cleaning, as dust does not stick to it.

When cleaning, gently move the brush or duster in the direction of the rollers, so as not to change their adjustment.

